

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017933.D
 Acq On : 18 Jan 2021 17:06
 Operator : SY/VA
 Sample : M1099-20
 Misc : 7.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M

Title : VOC Analysis

Signal : TIC: VW017933.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.947	5	7	23	rVB3	19426	48250	1.19%	0.099%
2	2.312	61	67	69	rBV	97732	162141	3.99%	0.333%
3	2.343	69	72	84	rVV	172591	306456	7.55%	0.630%
4	2.440	84	88	95	rVB4	12805	23293	0.57%	0.048%
5	2.879	153	160	171	rBV	109288	251383	6.19%	0.516%
6	4.007	335	345	357	rBV	179992	538748	13.27%	1.107%
7	4.196	364	376	386	rBV2	17226	82792	2.04%	0.170%
8	4.373	398	405	414	rVB2	16259	48709	1.20%	0.100%
9	4.916	480	494	496	rBV3	12973	33436	0.82%	0.069%
10	5.062	509	518	529	rVB7	6214	23975	0.59%	0.049%
11	7.110	840	854	863	rBV	27254	106449	2.62%	0.219%
12	7.202	863	869	883	rVB3	15033	67382	1.66%	0.138%
13	7.647	930	942	958	rVB	255914	627267	15.45%	1.289%
14	8.153	1016	1025	1032	rBV4	9653	23438	0.58%	0.048%
15	8.275	1034	1045	1062	rVV2	472242	1486799	36.62%	3.054%
16	8.482	1073	1079	1089	rVV5	8932	30846	0.76%	0.063%
17	8.695	1106	1114	1122	rBV3	11360	25163	0.62%	0.052%
18	8.842	1130	1138	1153	rBV	461849	908300	22.37%	1.866%
19	9.067	1168	1175	1182	rBV2	29430	65480	1.61%	0.135%
20	9.274	1200	1209	1215	rBV	328412	684929	16.87%	1.407%
21	9.384	1223	1227	1234	rVB3	17702	32880	0.81%	0.068%
22	9.524	1245	1250	1256	rBV2	30545	60939	1.50%	0.125%
23	9.677	1269	1275	1281	rBV4	9529	20386	0.50%	0.042%
24	9.756	1281	1288	1300	rVB3	25439	57413	1.41%	0.118%
25	9.896	1300	1311	1316	rBV2	88115	172061	4.24%	0.353%
26	9.957	1316	1321	1323	rBV4	18527	30373	0.75%	0.062%
27	9.988	1323	1326	1329	rVV2	16036	25221	0.62%	0.052%
28	10.037	1329	1334	1339	rVV	131825	240031	5.91%	0.493%
29	10.091	1340	1343	1347	rVV3	32257	56185	1.38%	0.115%
30	10.140	1347	1351	1358	rVB3	52387	106703	2.63%	0.219%
31	10.250	1358	1369	1374	rBV	118804	221147	5.45%	0.454%
32	10.323	1374	1381	1389	rBV	687004	1233841	30.39%	2.535%
33	10.506	1404	1411	1418	rVB3	50028	105436	2.60%	0.217%
34	10.579	1418	1423	1433	rVB	91824	184610	4.55%	0.379%
35	10.664	1433	1437	1445	rBV4	25913	50669	1.25%	0.104%
36	10.762	1445	1453	1457	rBV5	26677	62887	1.55%	0.129%

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Integrator: RTE

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Filtering: 5

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M

Title : VOC Analysis

37	10.841	1457	1466	1473	rVB2	299929	624922	15.39%	1.284%
38	10.933	1473	1481	1486	rBV2	212198	441284	10.87%	0.906%
39	11.030	1494	1497	1501	rBV3	44129	61656	1.52%	0.127%
40	11.110	1506	1510	1514	rBV3	125375	220175	5.42%	0.452%
41	11.183	1518	1522	1524	rBV3	59746	90322	2.22%	0.186%
42	11.219	1524	1528	1533	rVV3	134108	244980	6.03%	0.503%
43	11.274	1533	1537	1545	rVB2	200523	401501	9.89%	0.825%
44	11.341	1545	1548	1551	rBV3	65589	93193	2.30%	0.191%
45	11.402	1551	1558	1564	rVB3	375319	751853	18.52%	1.544%
46	11.457	1564	1567	1572	rVB	124507	202882	5.00%	0.417%
47	11.518	1572	1577	1585	rBV3	103153	187564	4.62%	0.385%
48	11.652	1589	1599	1605	rBV2	974308	2648087	65.22%	5.440%
49	11.841	1621	1630	1632	rBV6	69823	161437	3.98%	0.332%
50	11.872	1632	1635	1639	rVB2	92998	137155	3.38%	0.282%
51	11.920	1639	1643	1647	rVB	68016	112651	2.77%	0.231%
52	11.981	1647	1653	1656	rBV3	64008	122164	3.01%	0.251%
53	12.012	1656	1658	1663	rVB3	58404	79506	1.96%	0.163%
54	12.067	1663	1667	1670	rBV4	24282	39035	0.96%	0.080%
55	12.115	1670	1675	1676	rBV2	80227	113408	2.79%	0.233%
56	12.170	1681	1684	1688	rVB2	94185	135505	3.34%	0.278%
57	12.256	1694	1698	1701	rBV	66778	99099	2.44%	0.204%
58	12.335	1705	1711	1713	rVV6	97269	207020	5.10%	0.425%
59	12.371	1713	1717	1726	rVV6	155184	373406	9.20%	0.767%
60	12.463	1726	1732	1737	rVV	245693	509280	12.54%	1.046%
61	12.518	1738	1741	1747	rVV5	132680	264058	6.50%	0.542%
62	12.567	1747	1749	1752	rVB	51660	50117	1.23%	0.103%
63	12.652	1759	1763	1765	rBV2	98959	131397	3.24%	0.270%
64	12.695	1765	1770	1775	rVB2	288596	507253	12.49%	1.042%
65	12.749	1776	1779	1780	rBV2	19988	22900	0.56%	0.047%
66	12.780	1781	1784	1790	rVB6	59935	109227	2.69%	0.224%
67	12.859	1793	1797	1801	rBV2	106229	162762	4.01%	0.334%
68	12.926	1802	1808	1816	rBV5	267812	692009	17.04%	1.421%
69	12.993	1816	1819	1824	rVB4	65766	96925	2.39%	0.199%
70	13.060	1825	1830	1831	rBV	77992	121312	2.99%	0.249%
71	13.127	1836	1841	1844	rBV3	270090	477129	11.75%	0.980%
72	13.170	1844	1848	1860	rVB5	288377	699977	17.24%	1.438%
73	13.262	1860	1863	1866	rBV4	136262	201568	4.96%	0.414%
74	13.298	1866	1869	1873	rVB2	150188	218882	5.39%	0.450%
75	13.341	1874	1876	1879	rBV2	34945	32739	0.81%	0.067%
76	13.377	1879	1882	1883	rBV2	52210	60560	1.49%	0.124%

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Title : VOC Analysis

77	13.408	1884	1887	1890	rBV2	88474	117595	2.90%	0.242%
78	13.481	1890	1899	1907	rBV6	604592	1773624	43.68%	3.643%
79	13.554	1907	1911	1913	rBV2	558852	820343	20.20%	1.685%
80	13.768	1937	1946	1950	rBV2	791646	1521464	37.47%	3.125%
81	13.810	1950	1953	1956	rBV	298183	452500	11.14%	0.930%
82	13.908	1964	1969	1976	rVB	2439684	4060376	100.00%	8.341%
83	13.975	1976	1980	1984	rBV	562557	926584	22.82%	1.903%
84	14.066	1991	1995	2000	rVB3	230640	359820	8.86%	0.739%
85	14.127	2000	2005	2006	rBV	513133	739456	18.21%	1.519%
86	14.158	2006	2010	2015	rVB	1455729	2191585	53.97%	4.502%
87	14.310	2031	2035	2037	rBV2	298711	483264	11.90%	0.993%
88	14.341	2038	2040	2044	rVV4	461464	735209	18.11%	1.510%
89	14.389	2044	2048	2051	rVV3	658801	1136859	28.00%	2.335%
90	14.426	2051	2054	2062	rVB4	535110	1012472	24.94%	2.080%
91	14.493	2062	2065	2069	rBV3	323989	512063	12.61%	1.052%
92	14.645	2085	2090	2097	rVB	1472788	2317535	57.08%	4.761%
93	14.725	2098	2103	2109	rBV3	622363	1261942	31.08%	2.592%
94	14.834	2118	2121	2130	rVB2	650992	1247546	30.72%	2.563%
95	14.969	2139	2143	2147	rBV2	362616	593616	14.62%	1.219%
96	15.243	2185	2188	2196	rVB4	394255	846543	20.85%	1.739%
97	15.322	2197	2201	2208	rVB	442624	762124	18.77%	1.566%
98	15.621	2245	2250	2256	rBV2	981944	1999620	49.25%	4.108%
99	15.926	2295	2300	2309	rBV3	344891	845925	20.83%	1.738%
100	16.413	2375	2380	2390	rVB3	708356	1850731	45.58%	3.802%

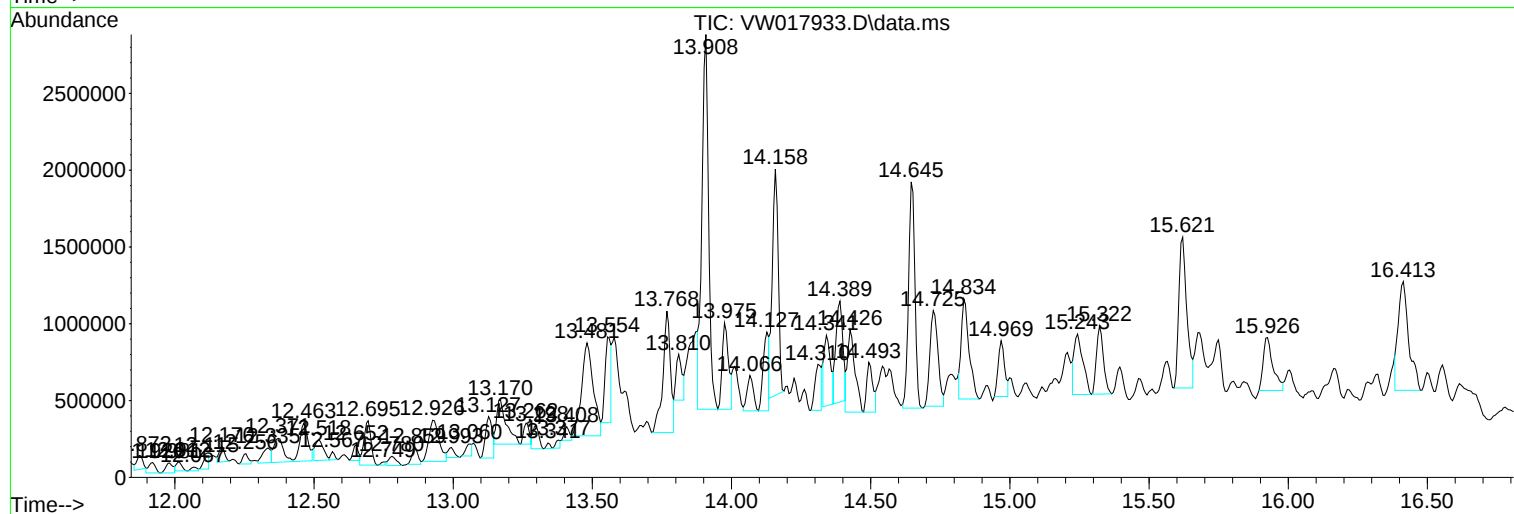
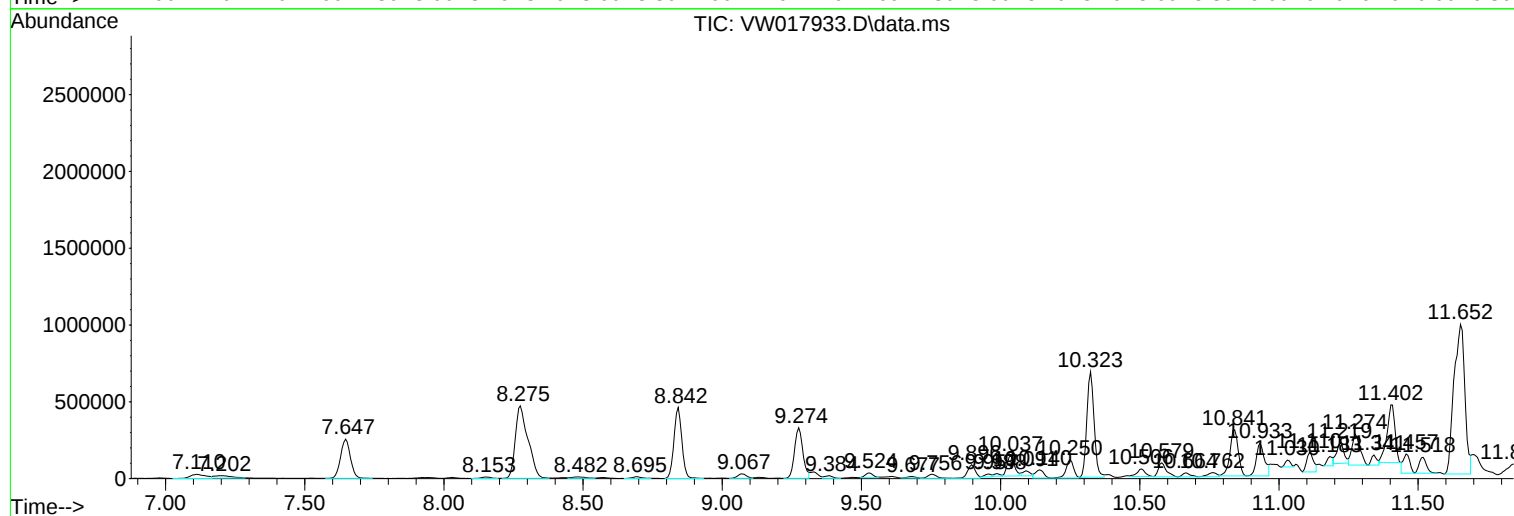
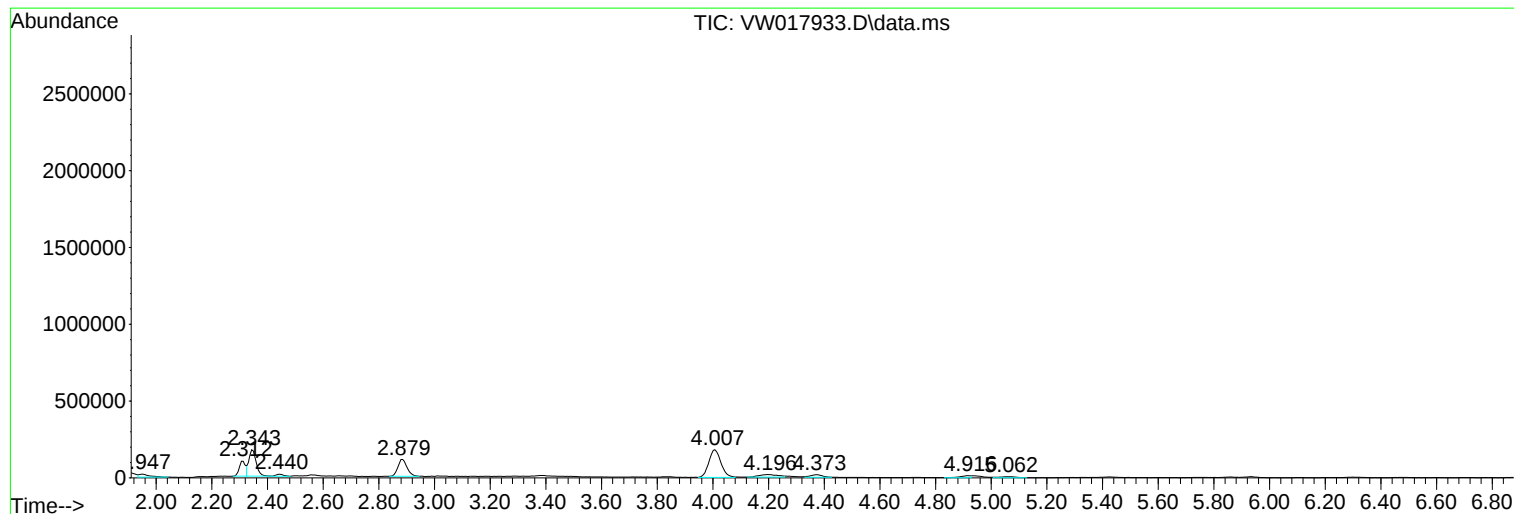
Sum of corrected areas: 48681714

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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



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Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

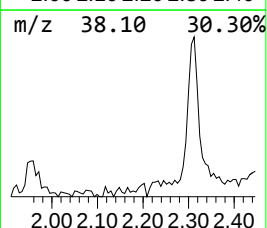
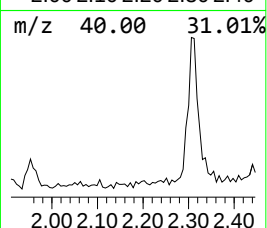
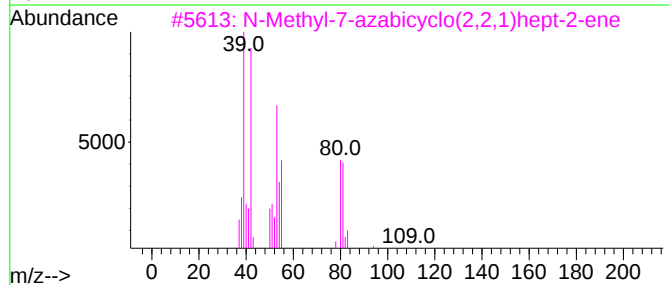
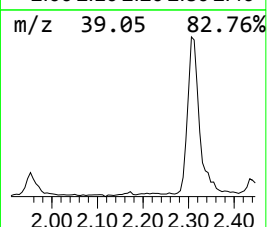
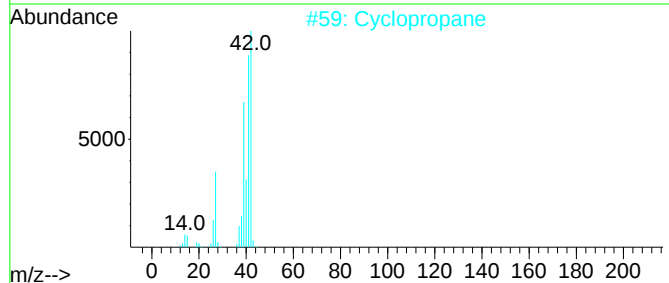
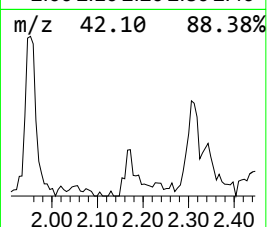
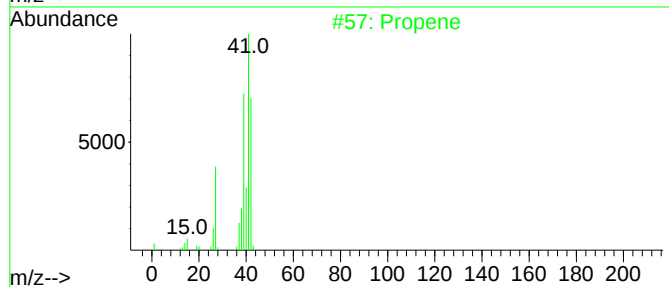
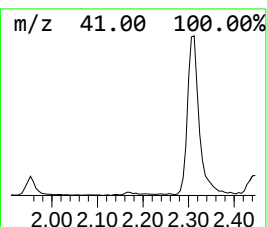
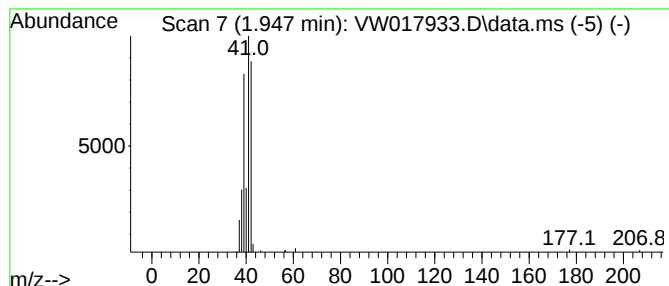
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.947	1.33 ug/L	48250	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Cyclopropane	42	C3H6	000075-19-4	80
3			N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	74
4			Benzisoxazole-2-acetic acid, hyd...	191	C9H9N3O2	055244-10-5	74
5			Cyclopropane	42	C3H6	000075-19-4	72



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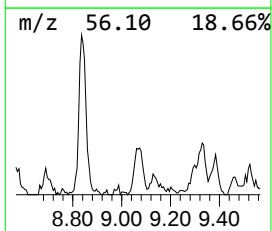
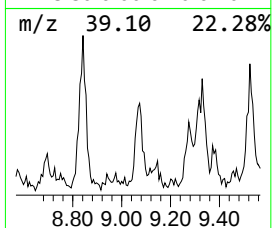
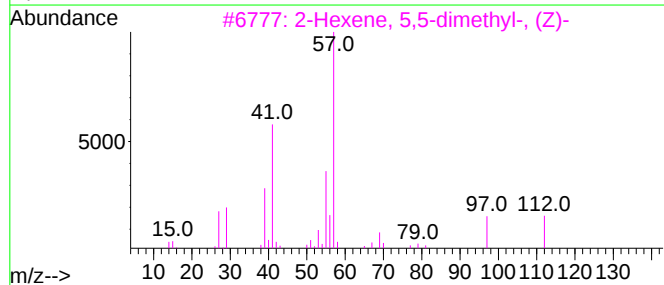
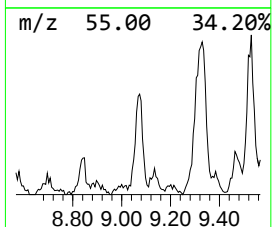
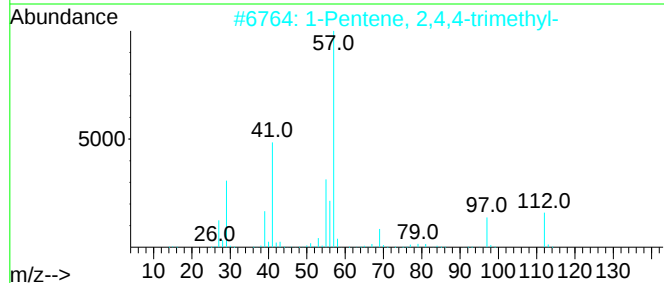
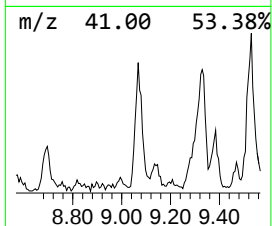
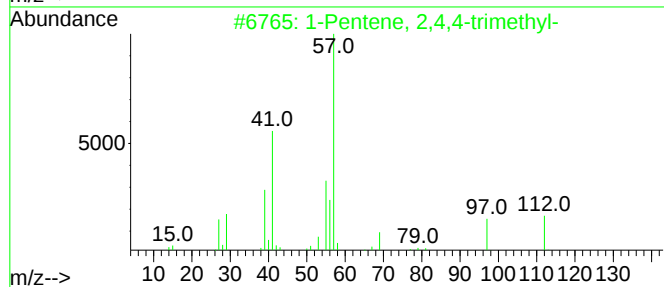
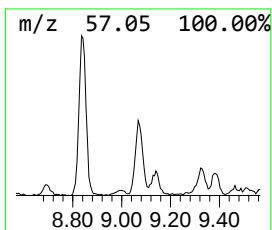
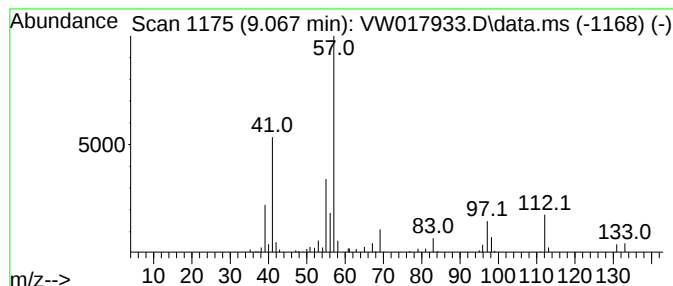
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.067	1.80 ug/L	65480	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	70
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
3		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	58
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	50
5		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	49



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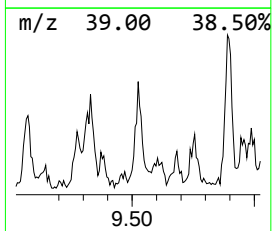
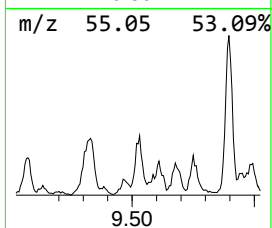
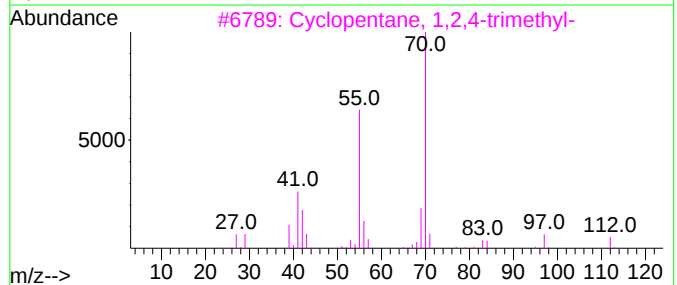
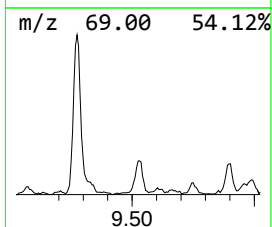
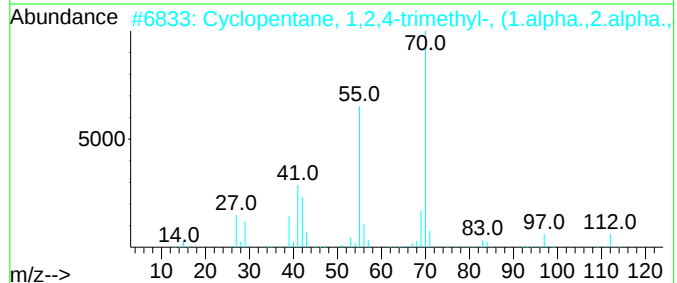
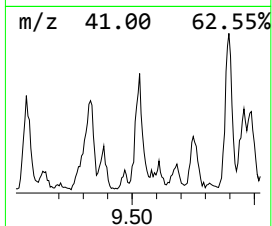
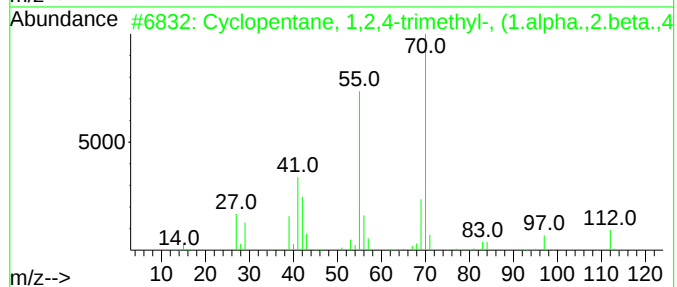
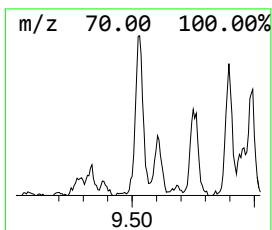
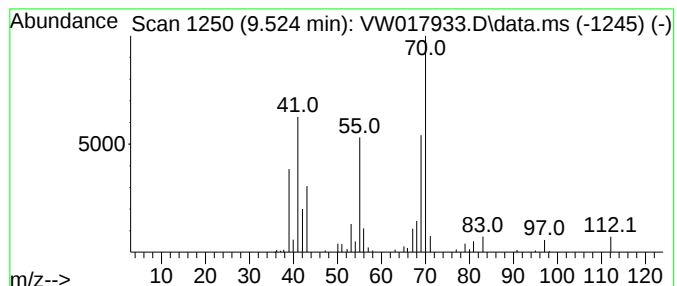
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic9.524 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.524	1.68 ug/L	60939	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	58
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	58
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	58
4			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	50
5			2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

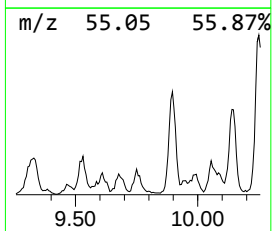
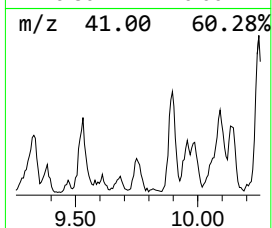
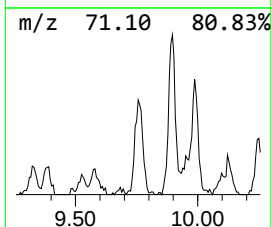
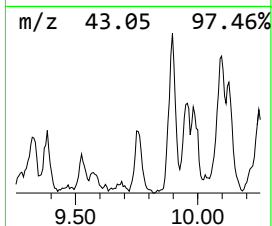
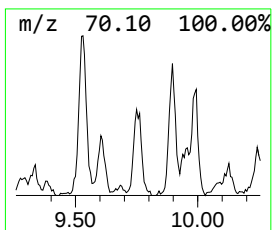
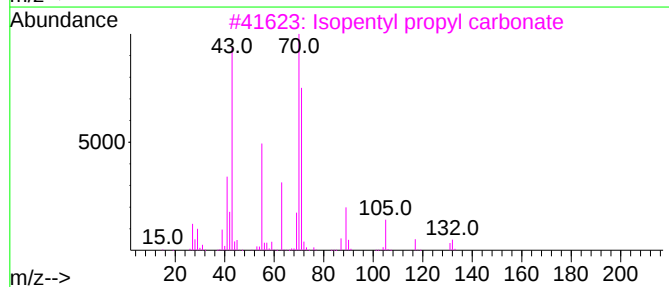
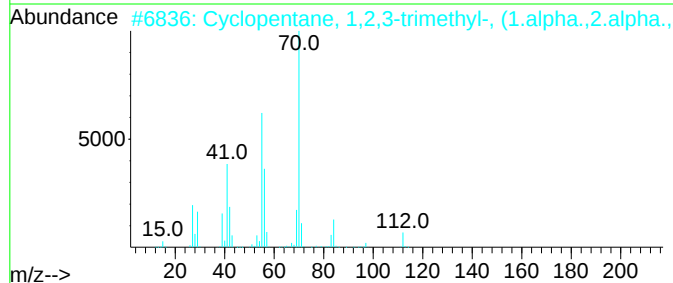
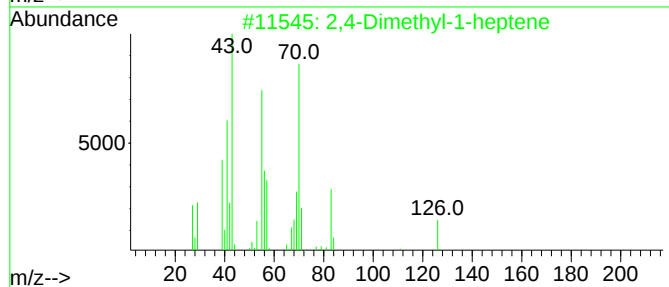
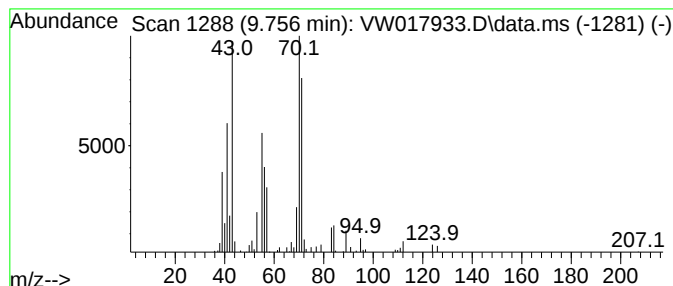
Instrument :
MSVOA_W
ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.756	1.58 ug/L	57413	1,4-Difluorobenzene	8.842	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethyl-1-heptene	126	C9H18	019549-87-2	53
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	43
3	Isopentyl propyl carbonate	174	C9H18O3	1000373-84-4	43
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	43
5	1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

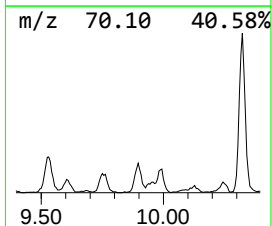
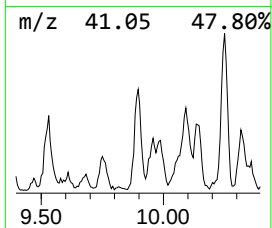
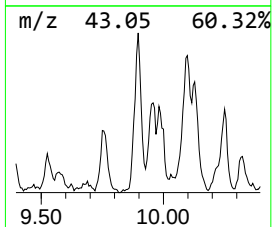
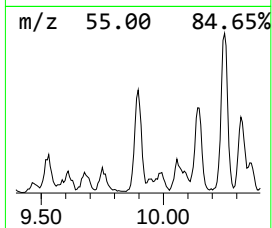
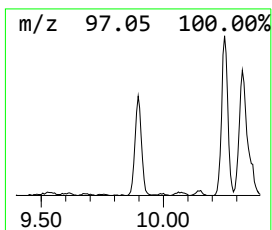
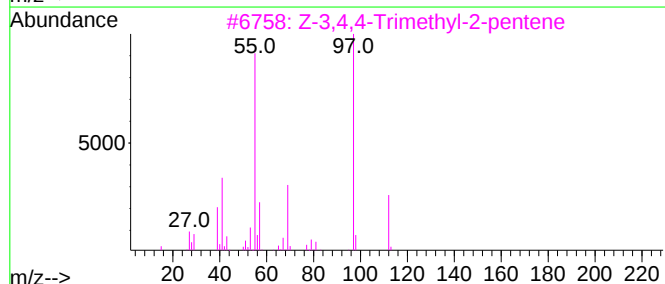
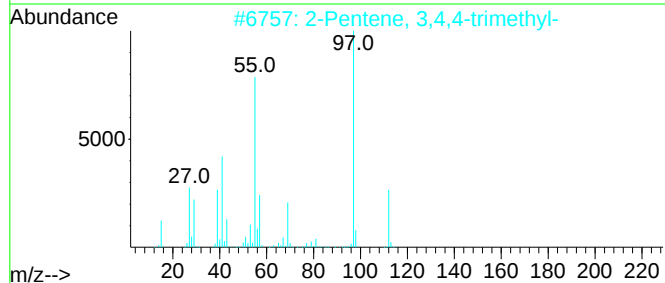
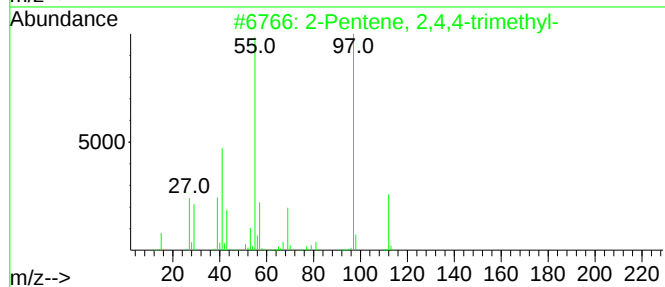
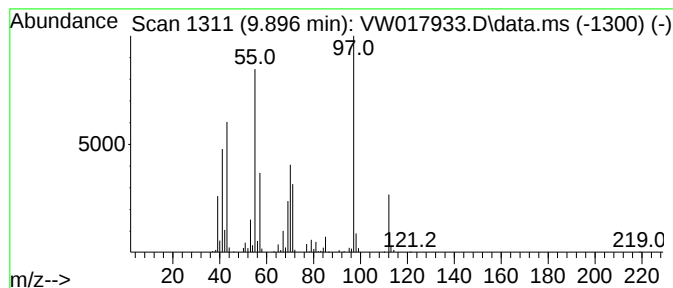
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	4.74 ug/L	172061	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,4,4-trimethyl-		112	C8H16		000107-40-4	64
2	2-Pentene, 3,4,4-trimethyl-		112	C8H16		000598-96-9	64
3	Z-3,4,4-Trimethyl-2-pentene		112	C8H16		039761-64-3	64
4	2-Pentene, 2,3,4-trimethyl-		112	C8H16		000565-77-5	64
5	2-Pentene, 2,3,4-trimethyl-		112	C8H16		000565-77-5	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

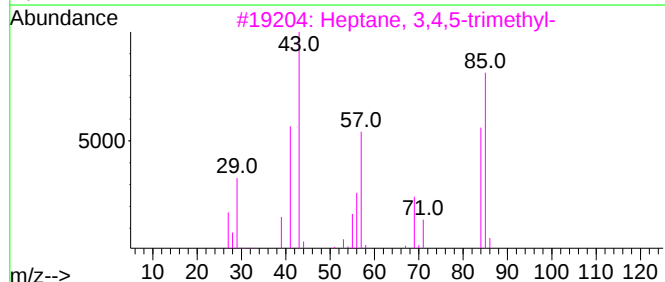
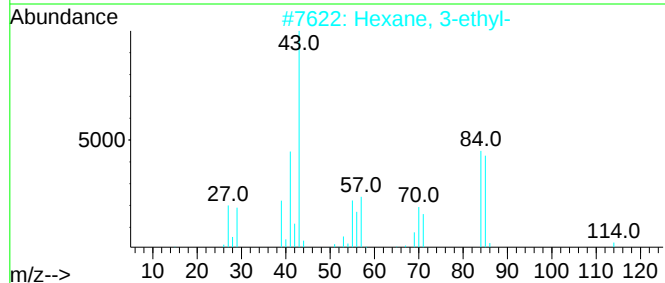
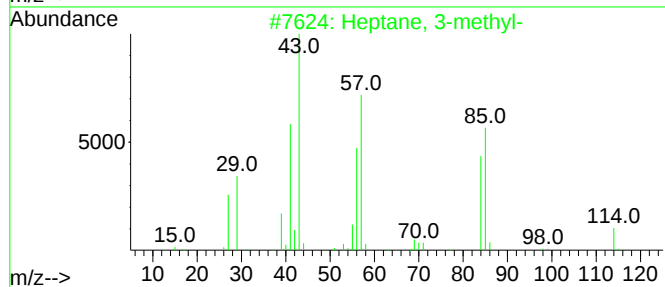
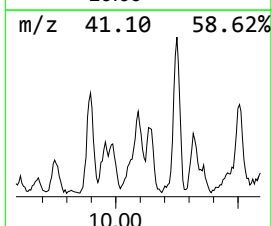
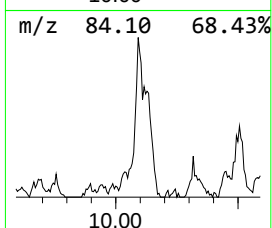
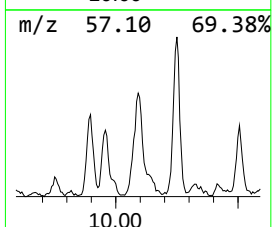
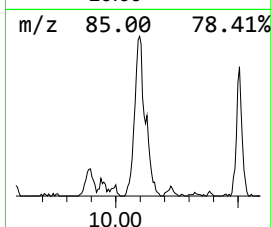
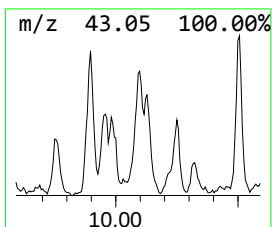
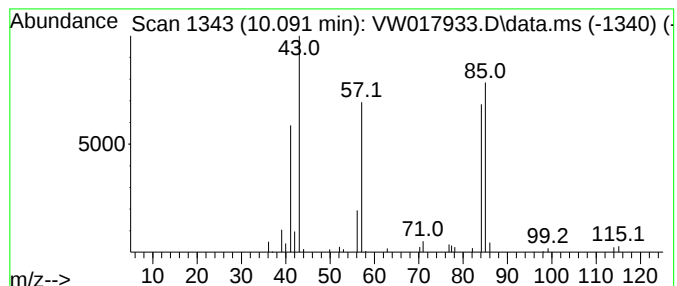
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.091	1.55 ug/L	56185	1,4-Difluorobenzene			8.842
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-		114	C8H18	000589-81-1	72
2	Hexane, 3-ethyl-		114	C8H18	000619-99-8	64
3	Heptane, 3,4,5-trimethyl-		142	C10H22	020278-89-1	64
4	Undecane, 2,4-dimethyl-		184	C13H28	017312-80-0	64
5	Sulfurous acid, butyl hexyl ester		222	C10H22O3S	1000309-17-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

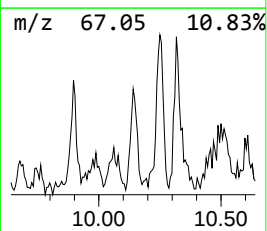
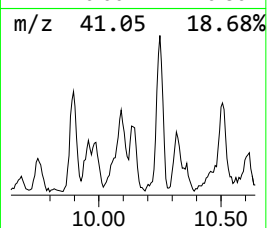
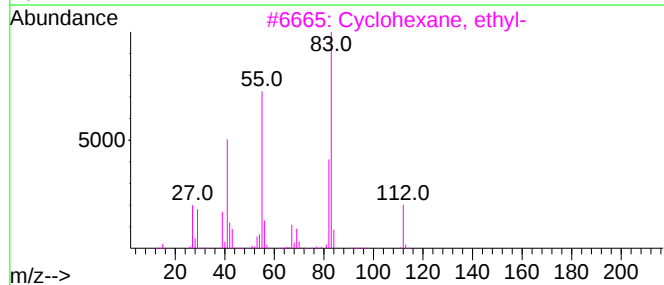
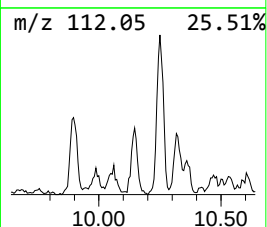
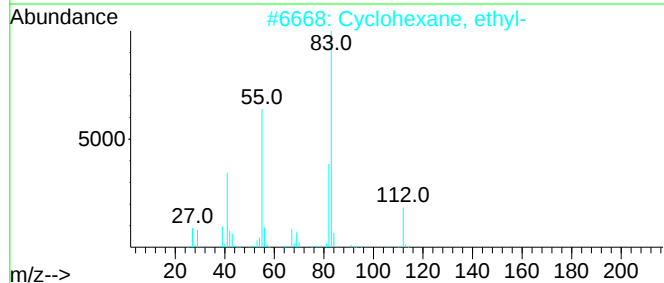
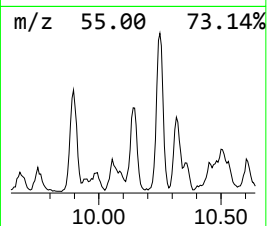
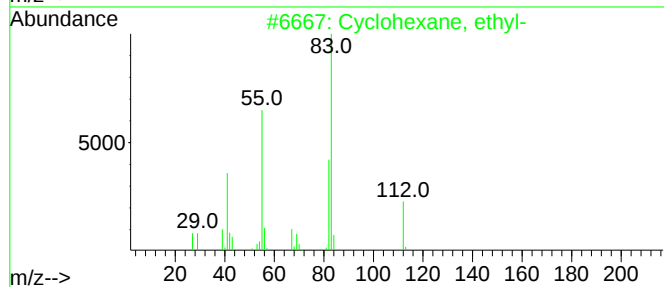
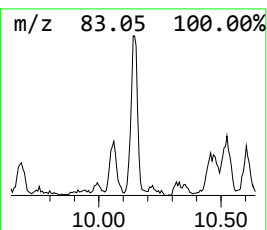
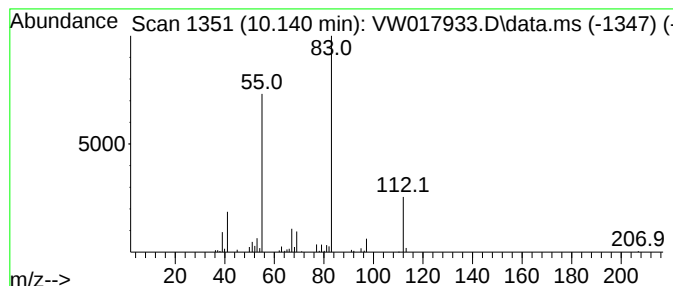
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic10.140 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.140	2.94 ug/L	106703	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4			trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	86
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

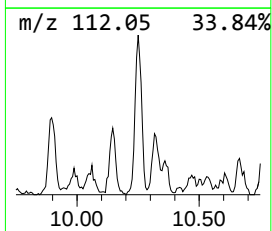
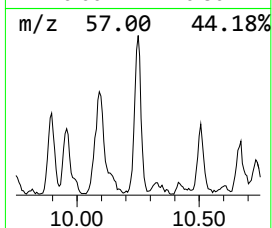
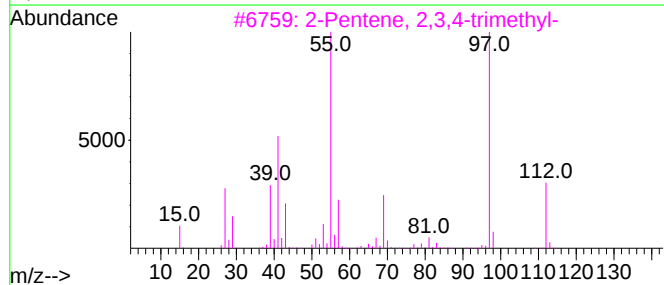
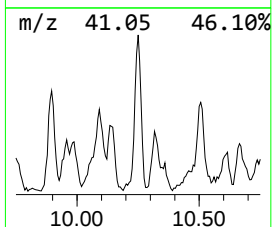
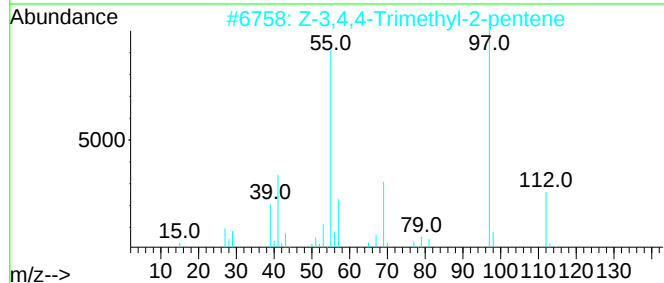
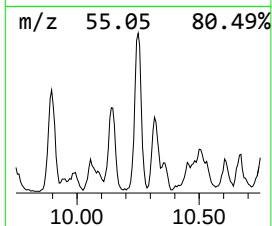
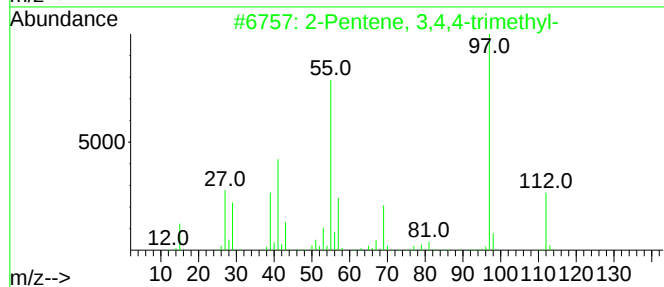
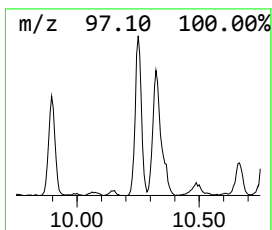
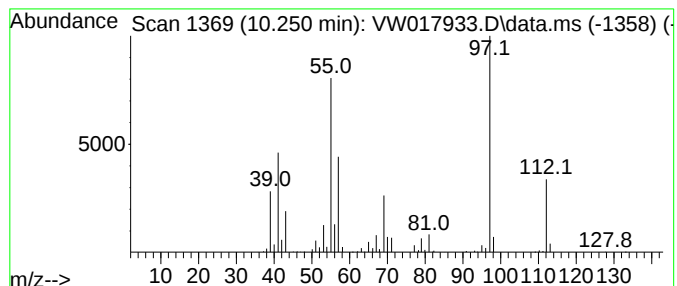
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	2.09 ug/L	221147	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	91
2	Z-3,4,4-Trimethyl-2-pentene			112	C8H16	039761-64-3	90
3	2-Pentene, 2,3,4-trimethyl-			112	C8H16	000565-77-5	90
4	2-Pentene, 2,3,4-trimethyl-			112	C8H16	000565-77-5	90
5	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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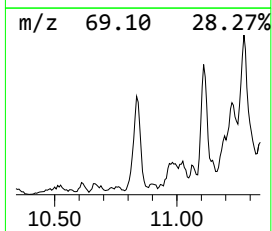
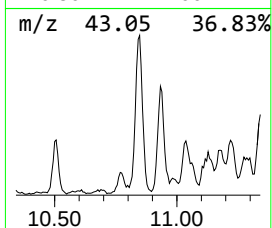
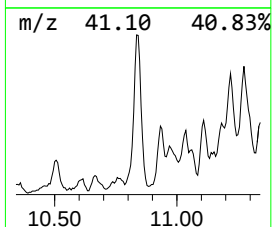
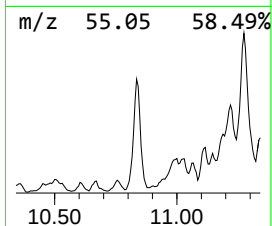
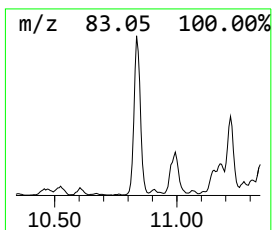
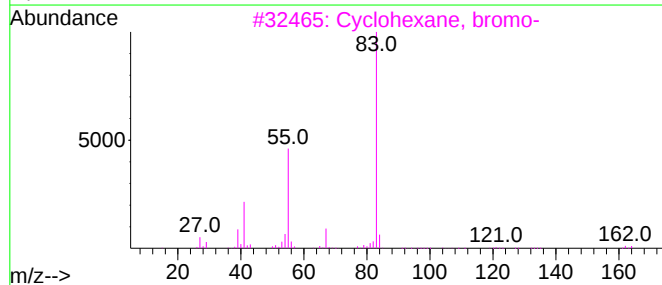
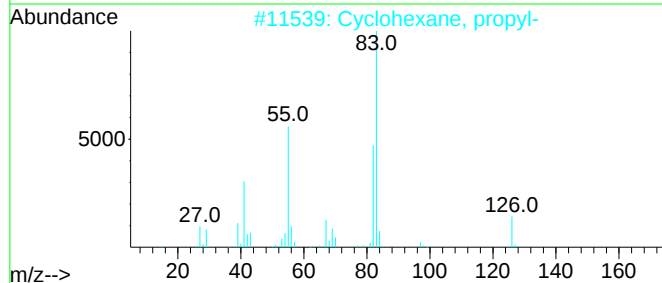
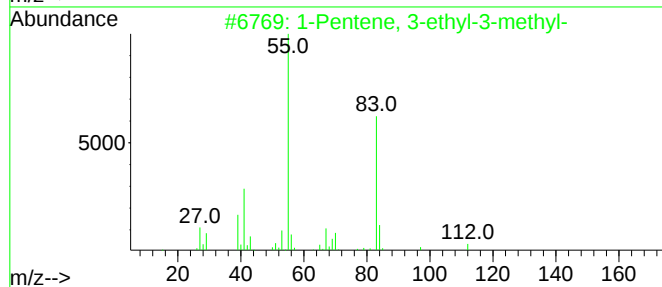
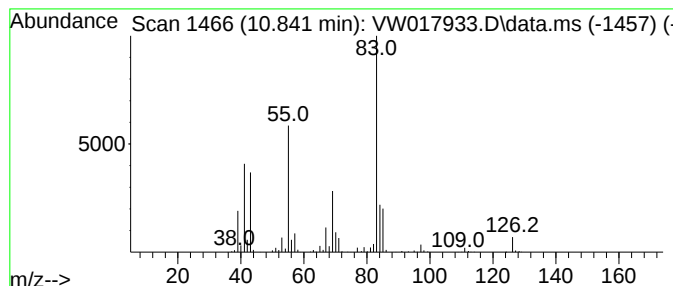
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	5.90 ug/L	624922	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 3-ethyl-3-methyl-	112	C8H16	006196-60-7	59
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	53
3		Cyclohexane, bromo-	162	C6H11Br	000108-85-0	47
4		Cyclohexane, bromo-	162	C6H11Br	000108-85-0	47
5		2-Heptene, 5-ethyl-2,4-dimethyl-	154	C11H22	074421-06-0	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

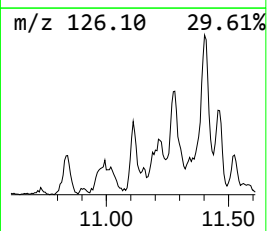
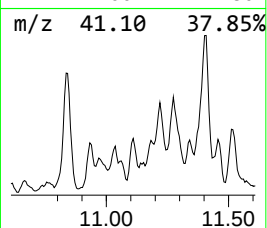
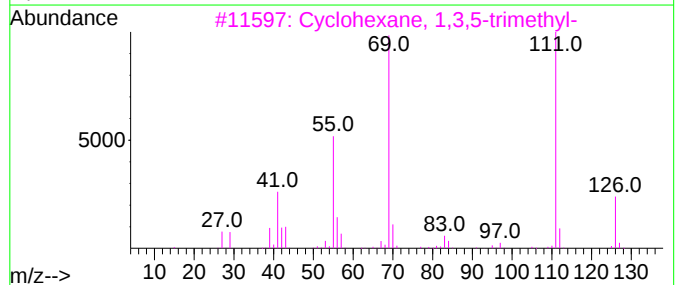
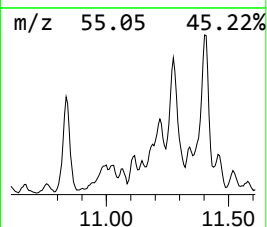
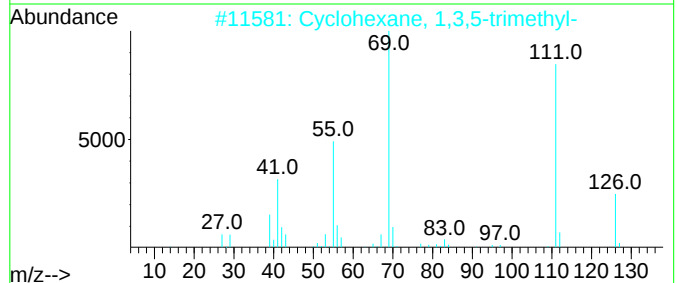
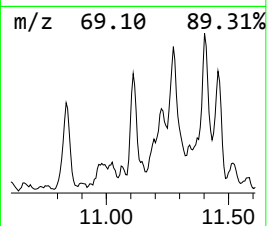
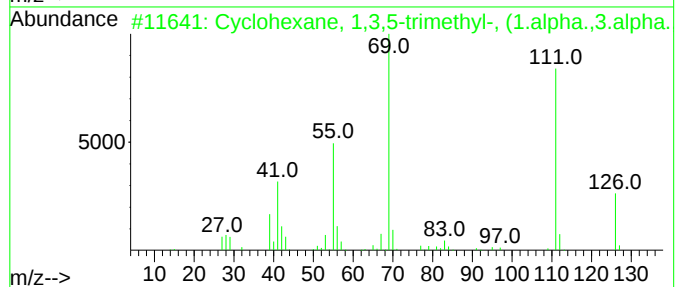
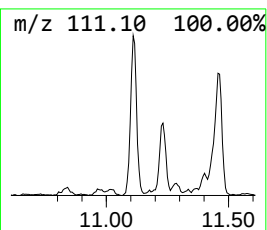
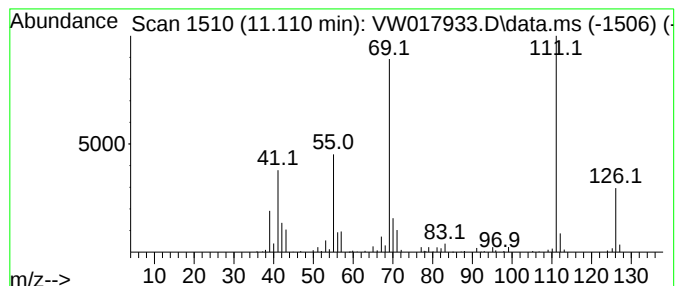
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic11.110 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.08 ug/L	220175	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

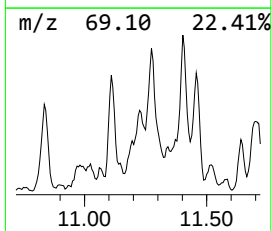
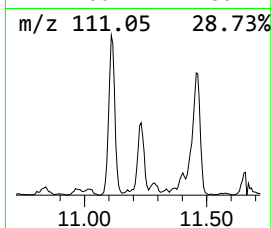
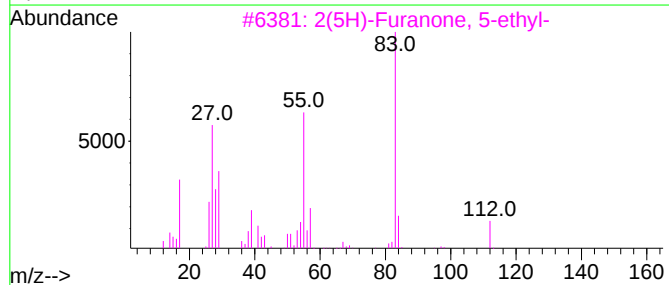
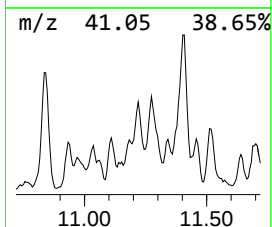
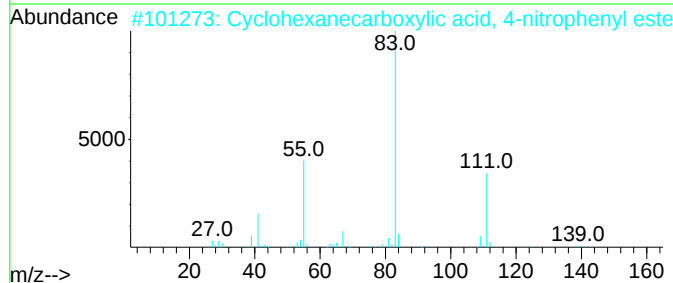
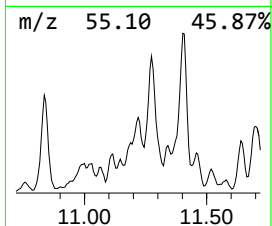
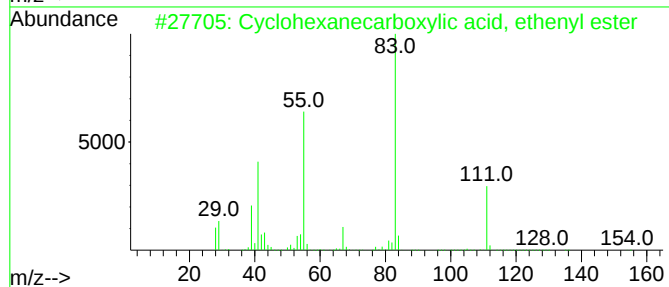
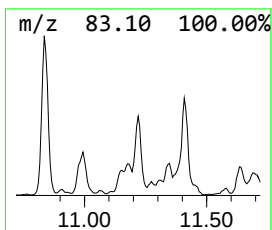
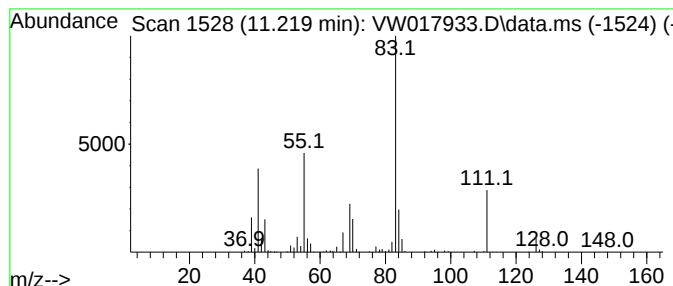
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Quant Title : VOC Analysis

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

Peak Number 12 Cyclohexanecarboxylic acid,... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.219	2.31 ug/L	244980	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanecarboxylic acid, ethe...	154	C9H14O2	004840-76-0	59
2			Cyclohexanecarboxylic acid, 4-ni...	249	C13H15NO4	1000307-70-8	45
3			2(5H)-Furanone, 5-ethyl-	112	C6H8O2	002407-43-4	42
4			Oxalic acid, cyclohexyl decyl ester	312	C18H32O4	1000309-31-2	40
5			Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

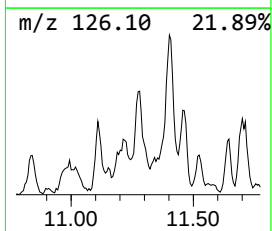
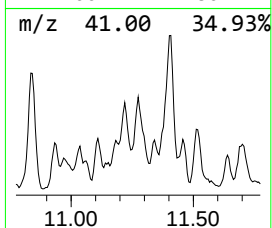
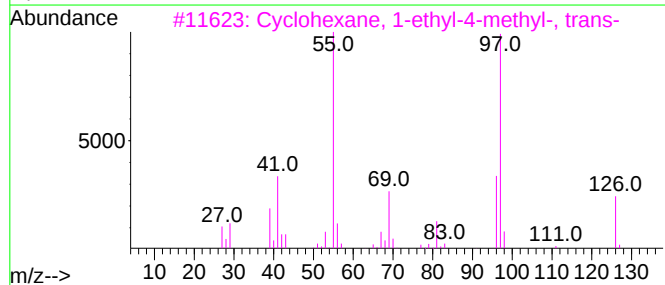
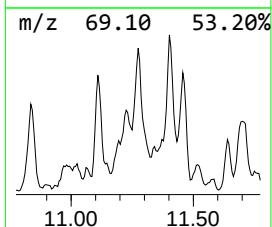
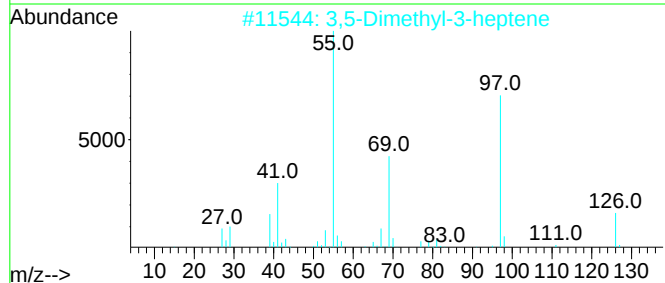
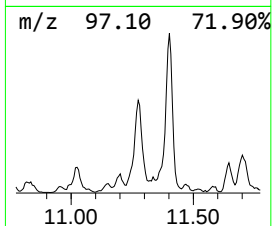
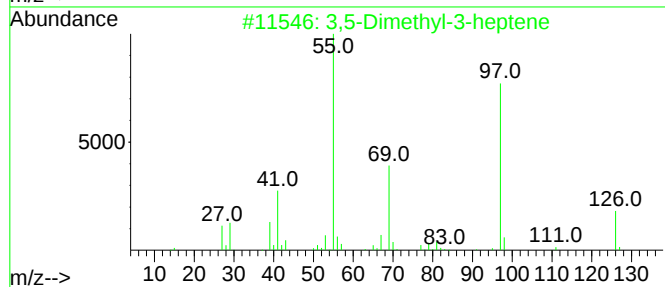
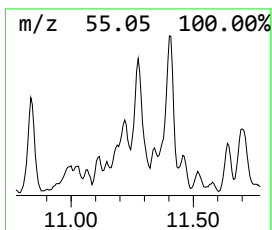
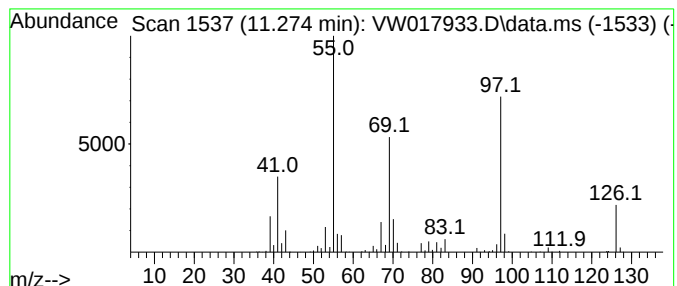
Instrument :
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ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.274	3.79 ug/L	401501	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	90
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	83
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	64
5	Cyclopropane, 3-chloro-1,1,2,2-t...	132	C7H13Cl	014123-41-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

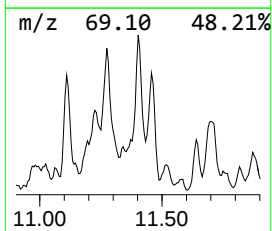
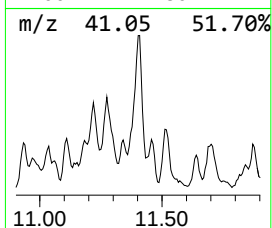
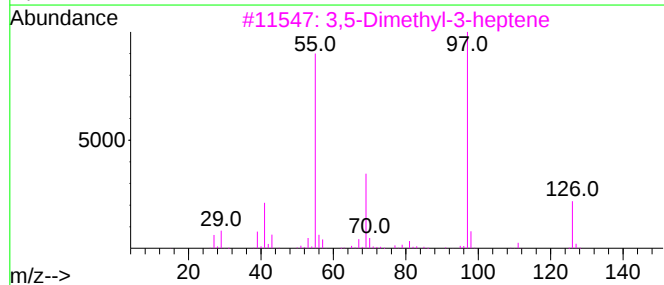
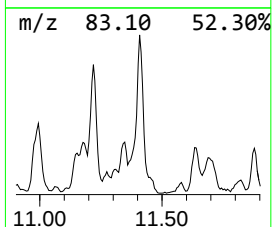
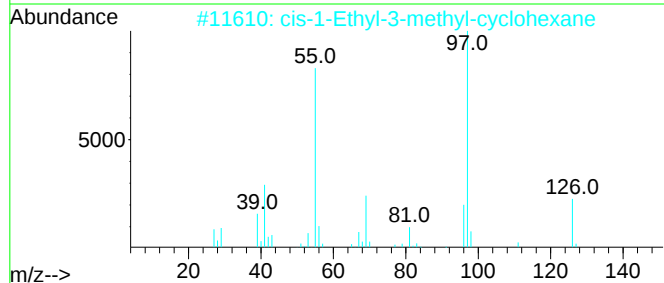
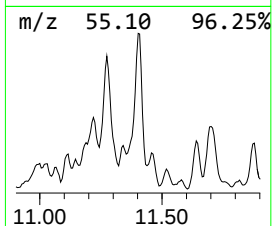
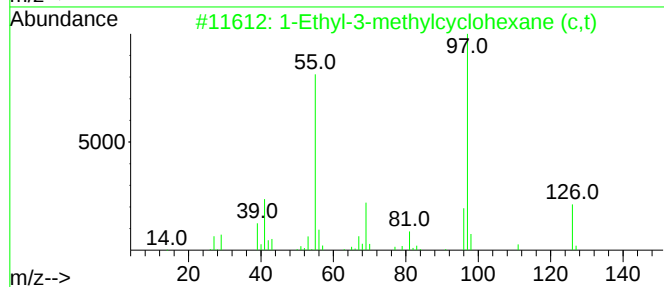
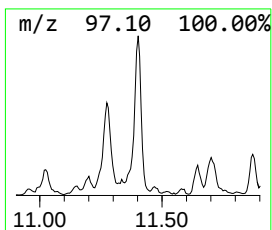
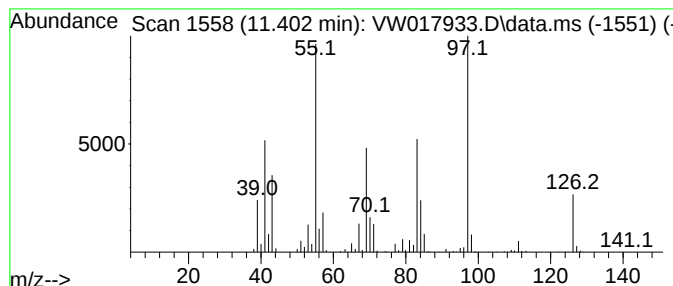
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic11.402 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.402	7.10 ug/L	751853	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	60
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	60
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
5		2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

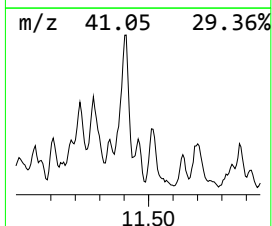
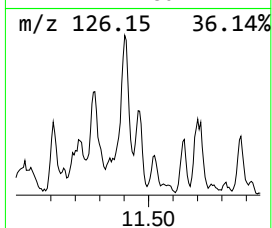
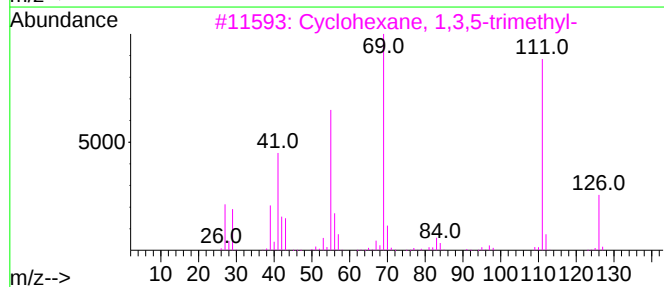
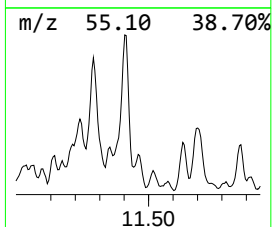
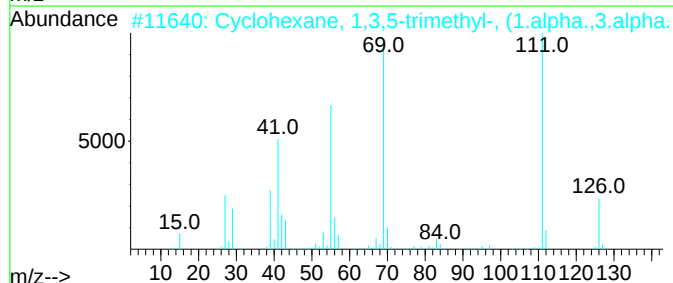
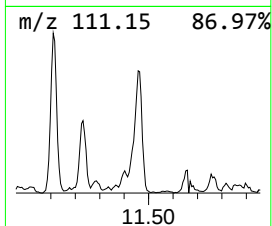
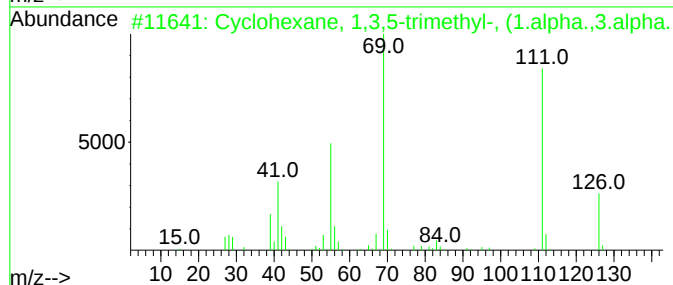
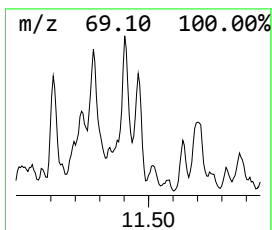
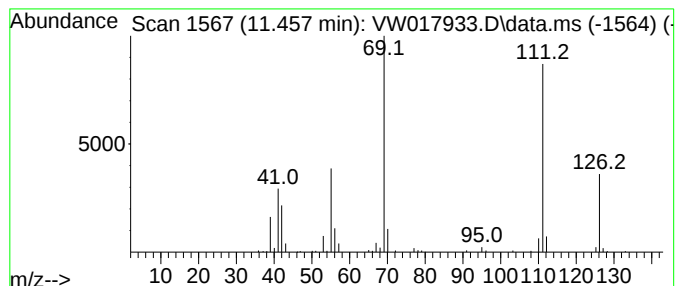
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic11.457 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.457	1.92 ug/L	202882	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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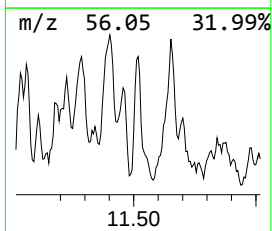
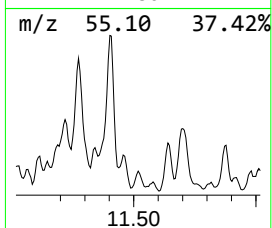
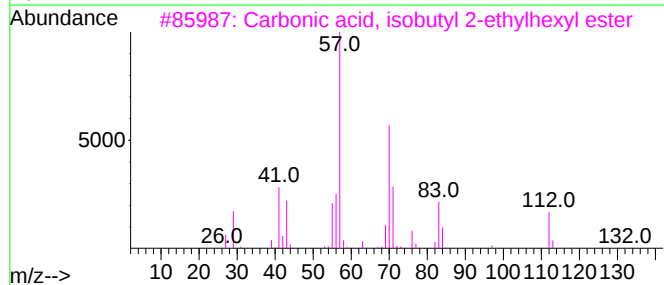
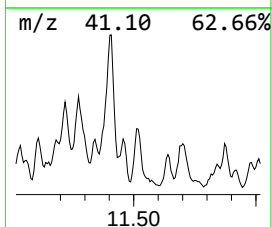
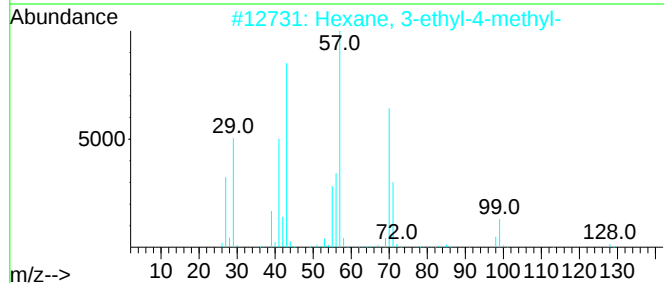
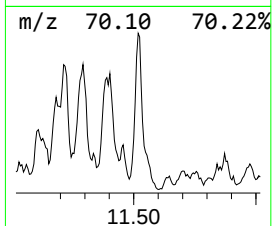
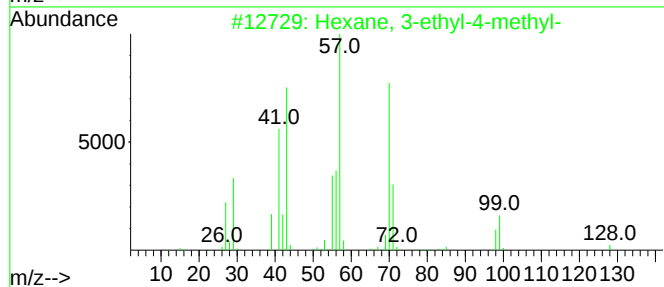
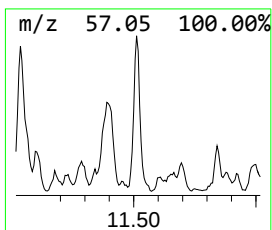
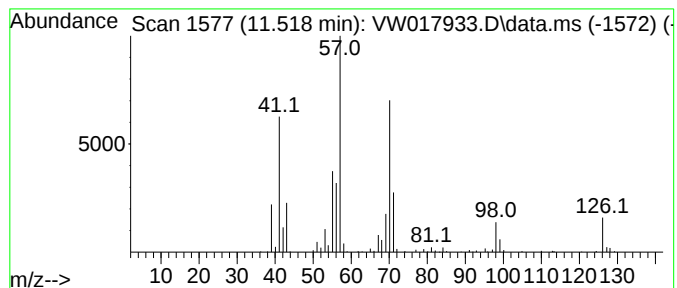
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.518	1.77 ug/L	187564	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	72		
2	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64		
3	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	59		
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53		
5	Carbonic acid, butyl 2-ethylhexy...	230	C13H26O3	1000357-84-4	53		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

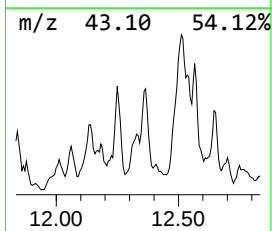
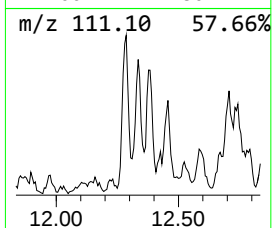
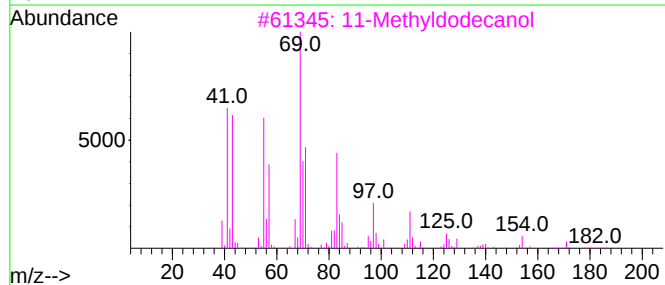
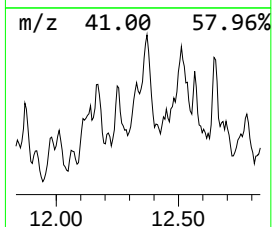
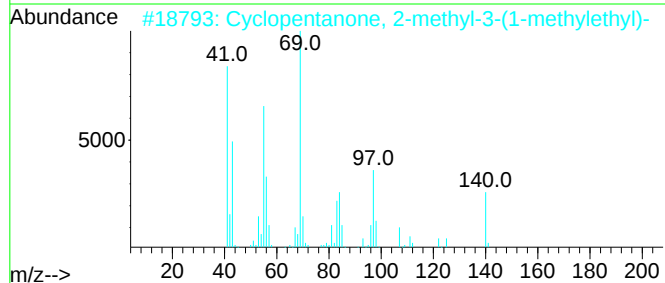
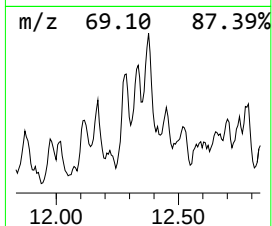
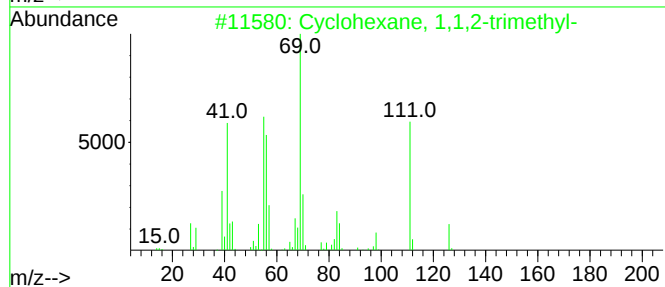
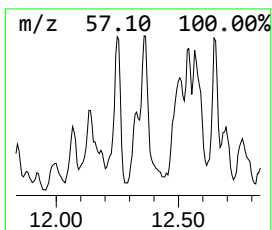
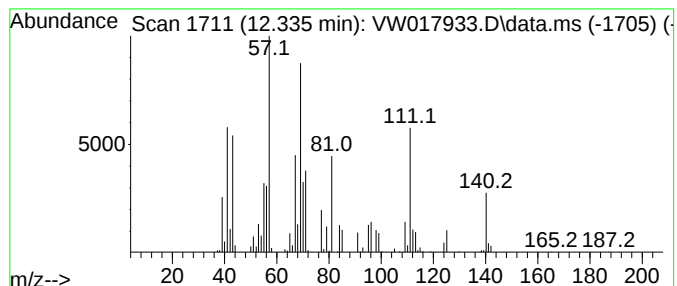
Instrument :
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ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic12.335 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.335	1.95 ug/L	207020	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47
2	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	38
3	11-Methyldodecanol	200	C13H28O	085763-57-1	35
4	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	35
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

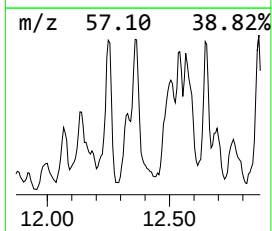
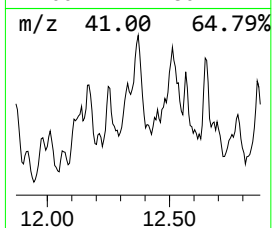
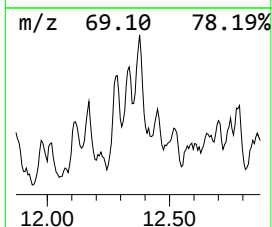
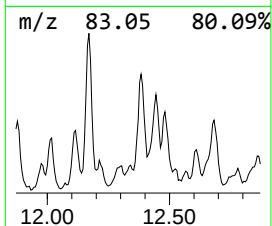
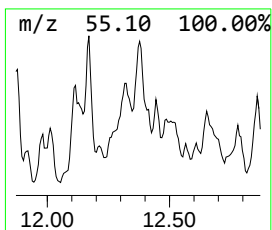
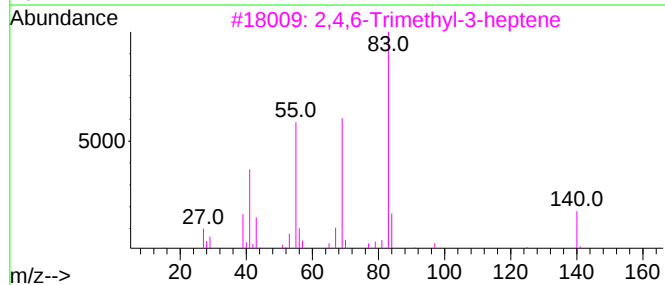
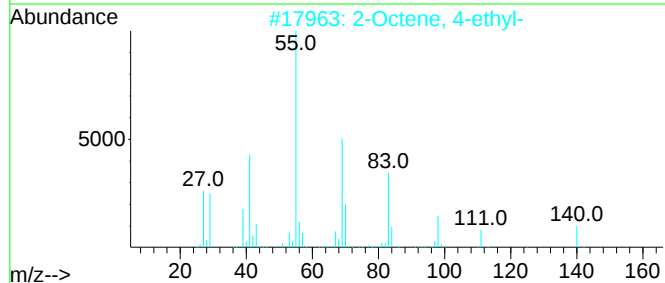
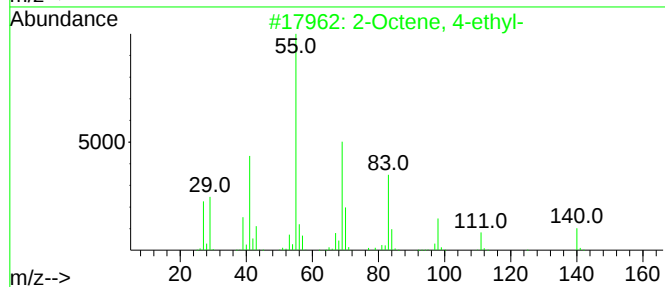
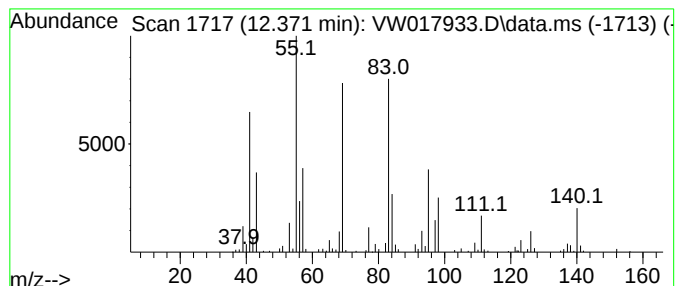
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.371	3.53 ug/L	373406	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 4-ethyl-		140	C10H20	053966-52-2	72
2	2-Octene, 4-ethyl-		140	C10H20	053966-52-2	72
3	2,4,6-Trimethyl-3-heptene		140	C10H20	1000113-56-9	50
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...		152	C10H16O	015358-88-0	47
5	2,3-Dimethyl-3-heptene		126	C9H18	1000113-49-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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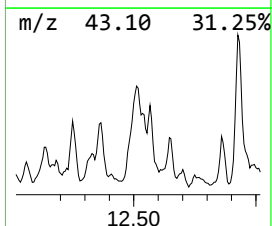
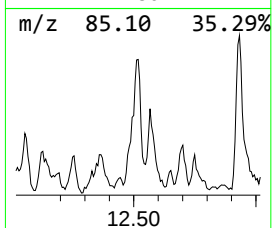
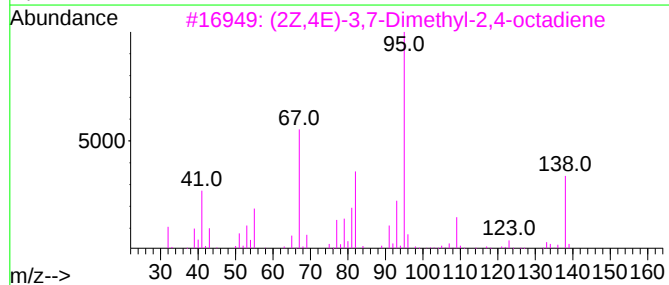
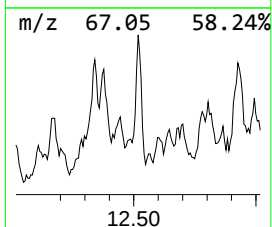
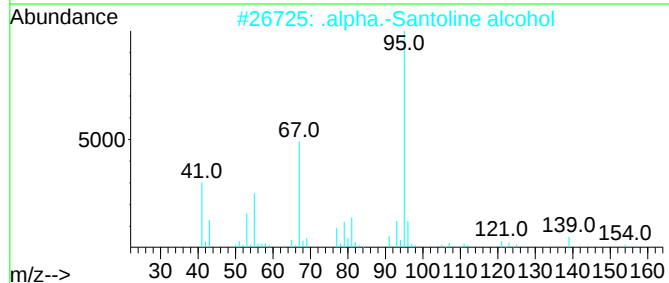
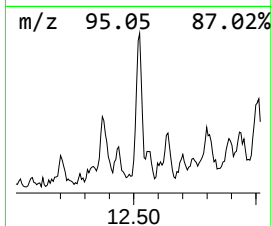
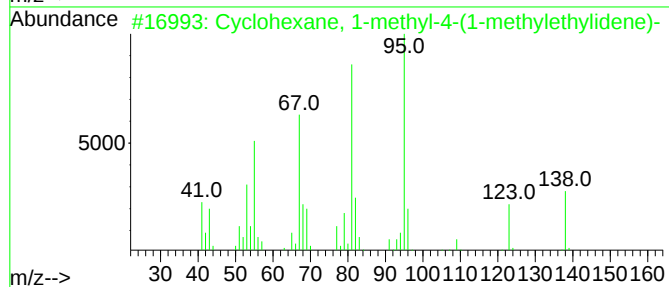
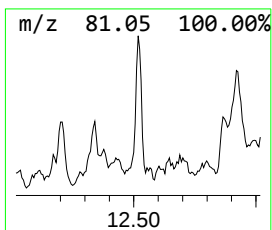
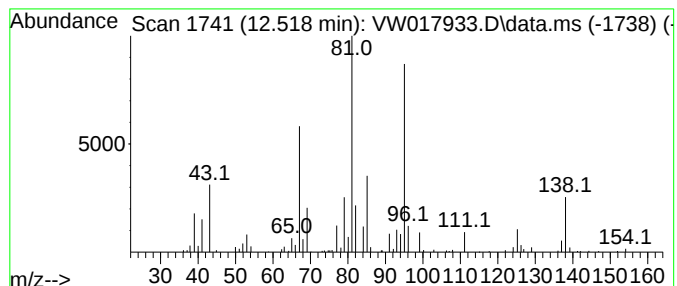
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Quant Title : VOC Analysis

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

Peak Number 19 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.518	2.49 ug/L	264058	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	46
2			.alpha.-Santoline alcohol	154	C10H18O	090823-36-2	43
3			(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	43
4			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	38
5			2-Propanone, 1-(1-cyclohexen-1-yl)-	138	C9H14O	000768-50-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

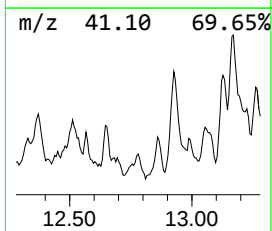
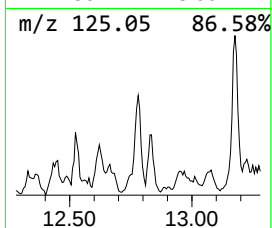
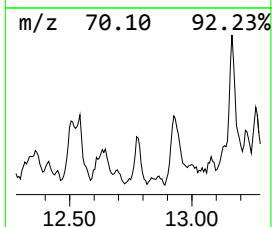
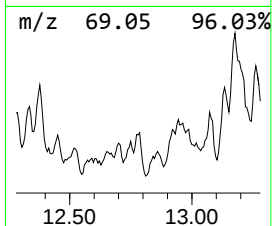
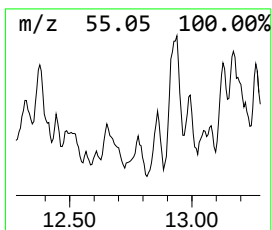
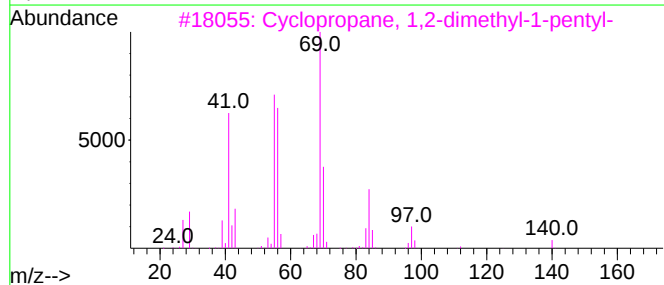
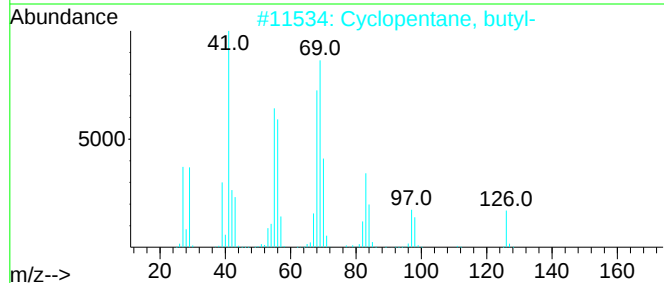
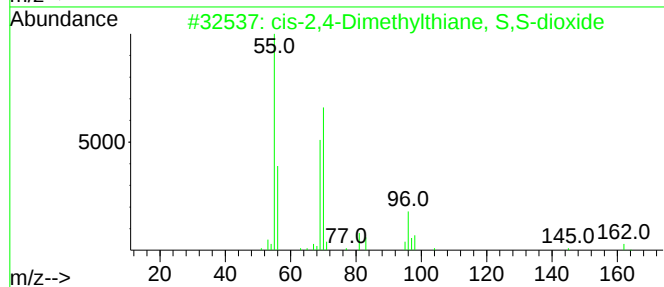
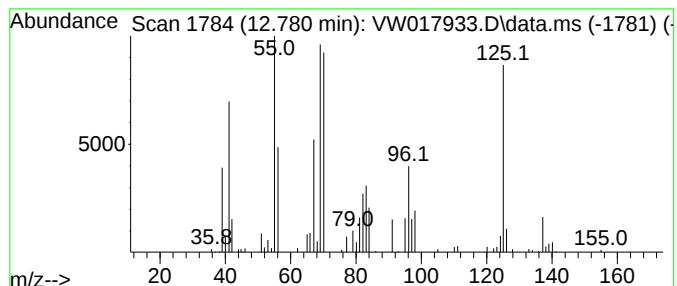
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Quant Title : VOC Analysis

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

Peak Number 20 unknown-02 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	3.33 ug/L	109227	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	47
2			Cyclopentane, butyl-	126	C9H18	002040-95-1	38
3			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	30
4			Cycloheptanone, 3-methyl-, (R)-	126	C8H14O	013609-58-0	27
5			Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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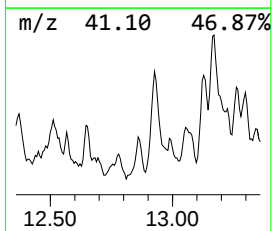
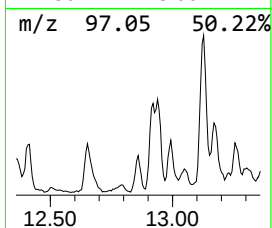
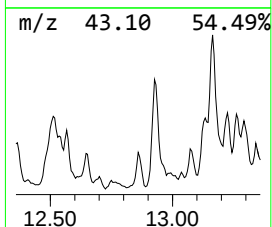
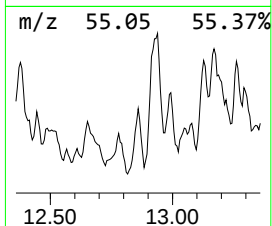
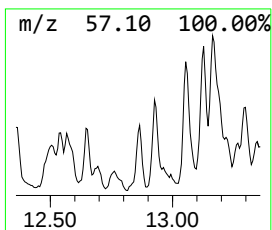
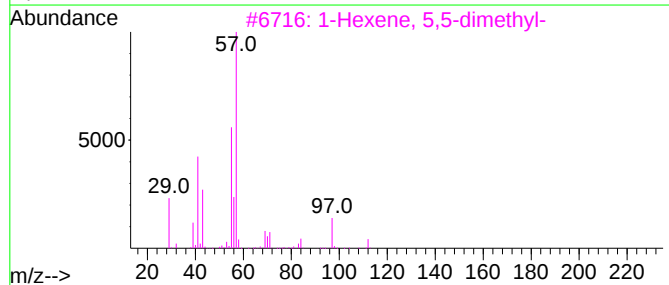
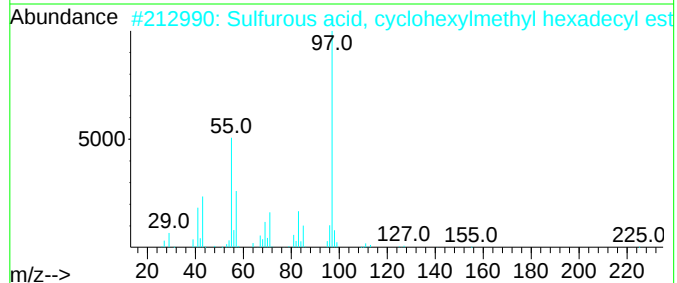
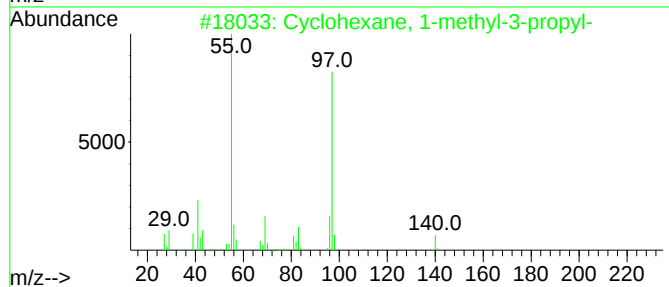
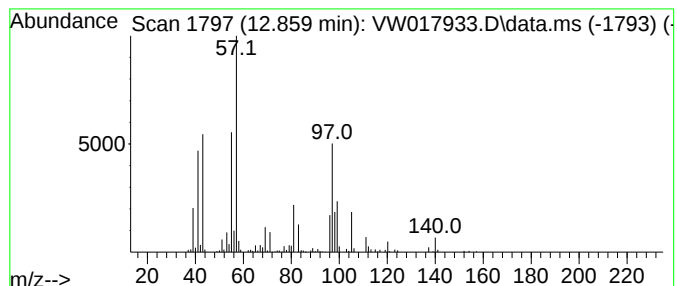
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic12.859 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	4.96 ug/L	162762	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	45
2			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	37
3			1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	35
4			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	35
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

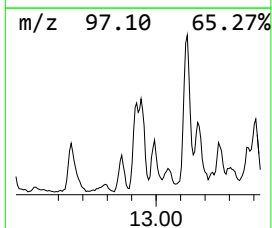
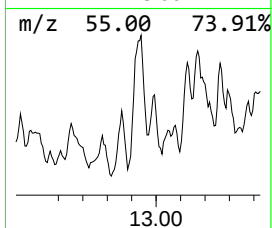
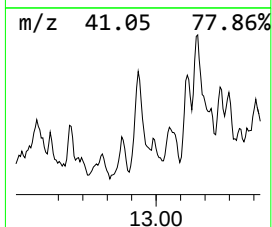
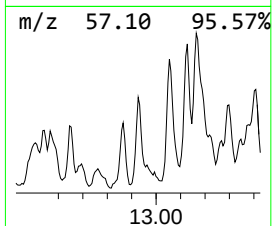
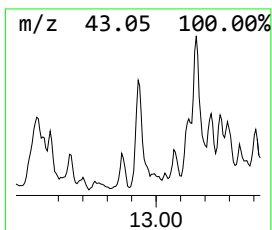
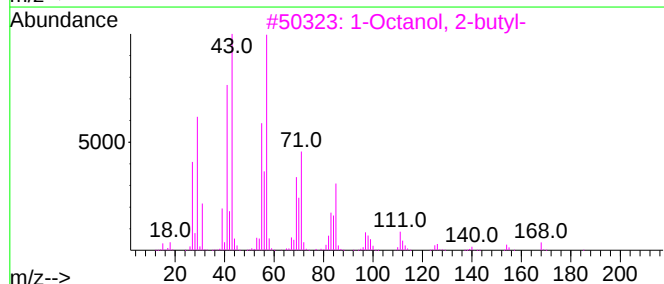
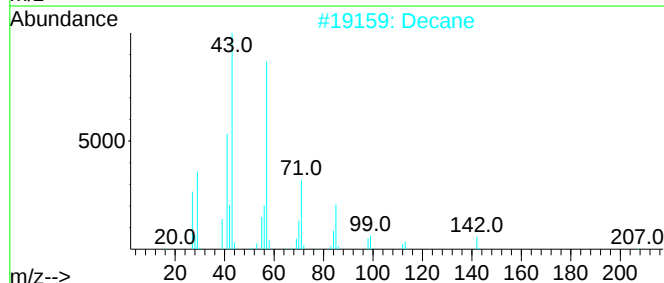
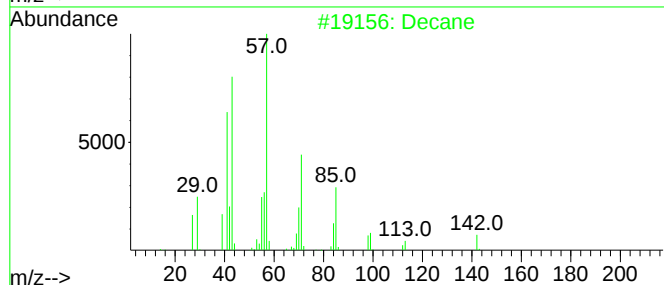
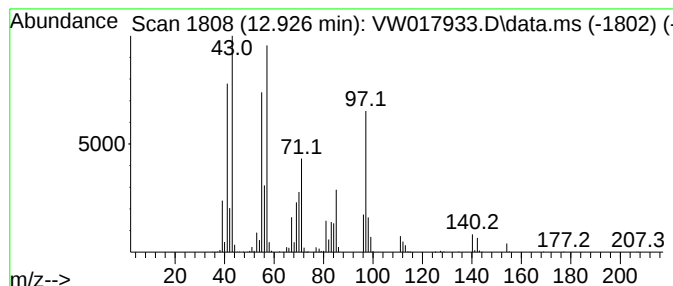
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.926	21.09 ug/L	692009	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	60
2	Decane		142	C10H22	000124-18-5	53
3	1-Octanol, 2-butyl-		186	C12H26O	003913-02-8	52
4	Decane		142	C10H22	000124-18-5	50
5	Cycloheptane, methyl-		112	C8H16	004126-78-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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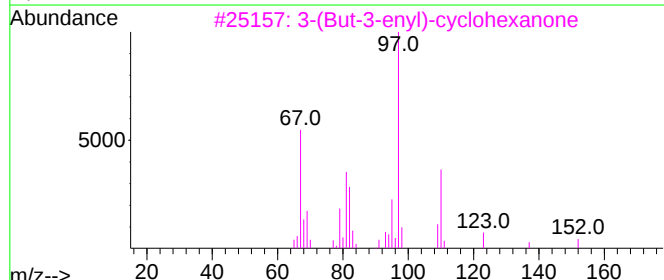
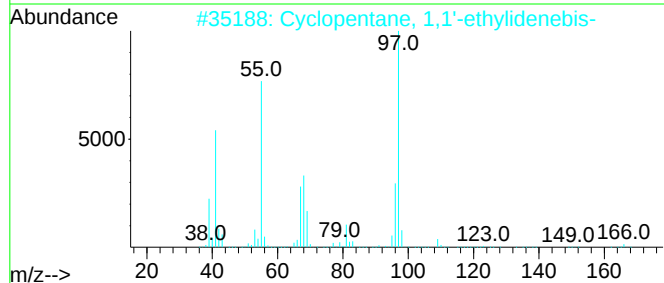
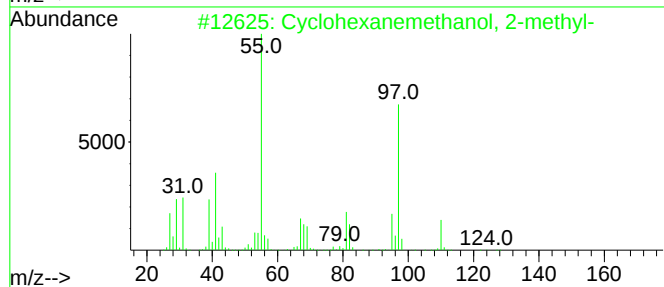
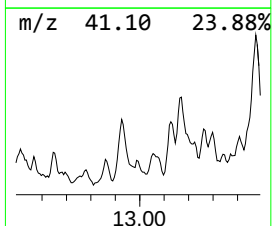
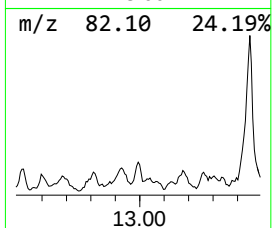
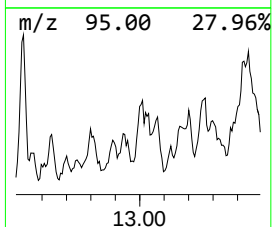
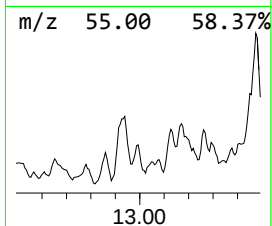
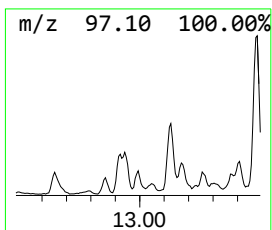
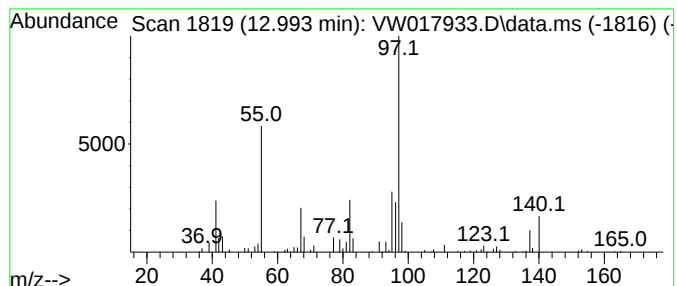
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Quant Title : VOC Analysis

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

Peak Number 23 Cyclohexanemethanol, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	2.95 ug/L	96925	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanemethanol, 2-methyl-	128	C8H16O	002105-40-0	50
2			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	50
3			3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	50
4			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	50
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

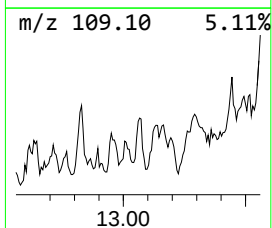
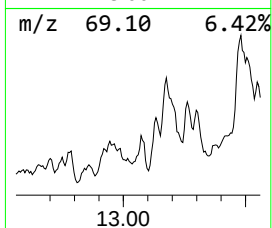
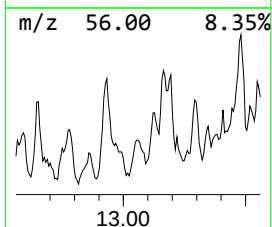
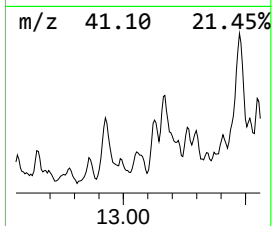
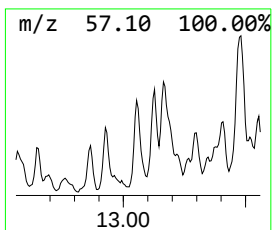
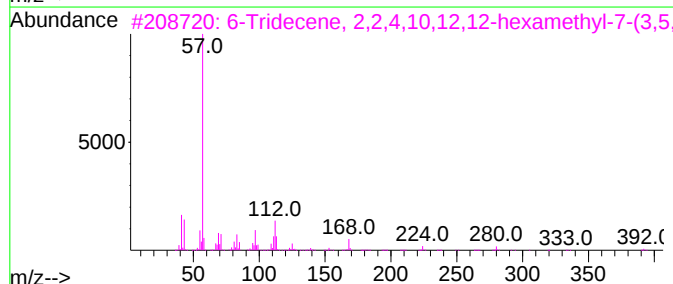
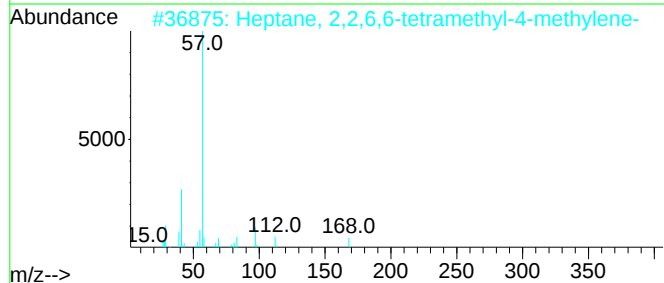
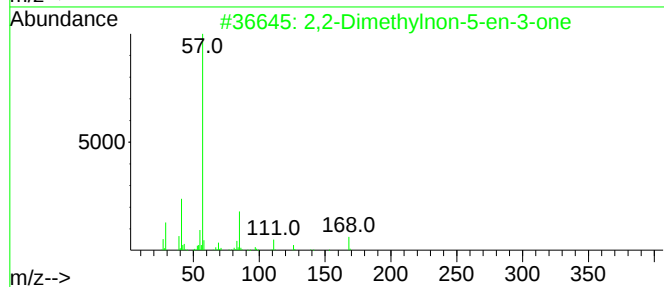
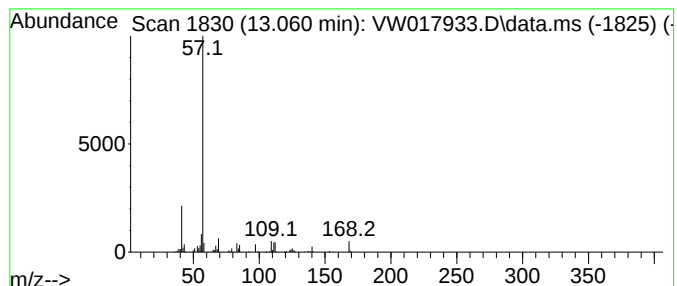
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 unknown-03

Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.060	3.70 ug/L	121312	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-Dimethylnon-5-en-3-one	168	C11H20O	1000191-19-4	47
2			Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	43
3			6-Tridecene, 2,2,4,10,12,12-hexa...	392	C28H56	055255-73-7	37
4			1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	35
5			4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

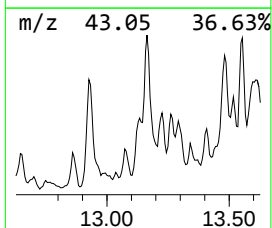
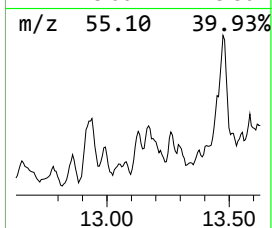
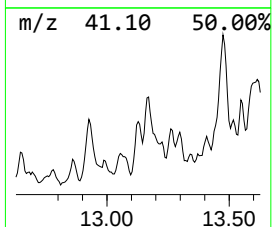
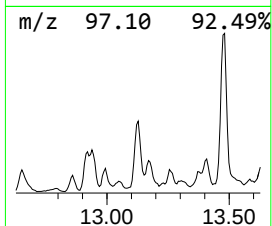
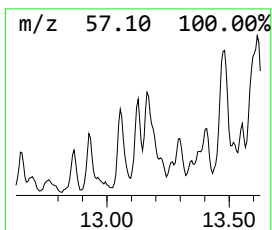
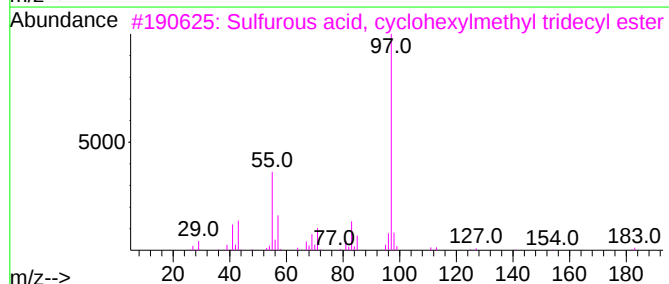
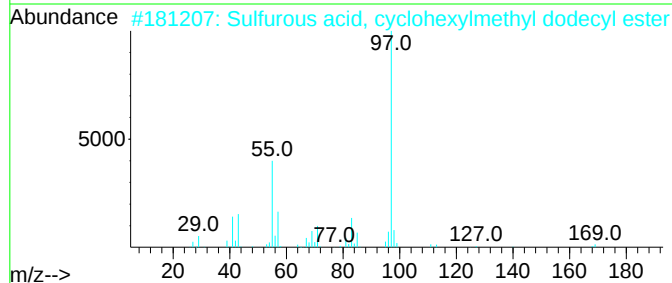
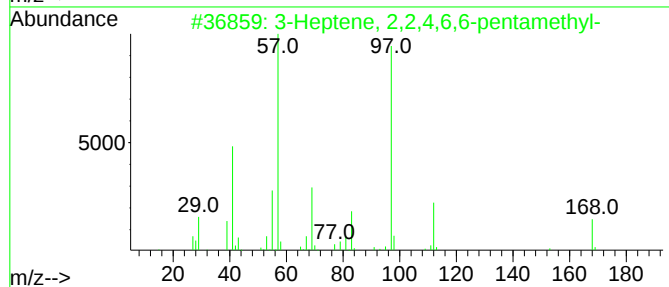
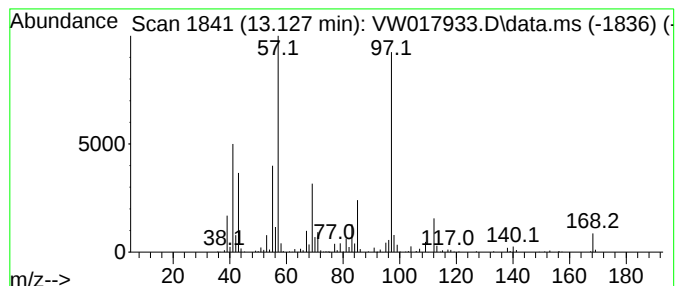
Instrument :
MSVOA_W
ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.127	14.54 ug/L	477129	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-		168	C12H24	000123-48-8	64
2	Sulfurous acid, cyclohexylmethyl...		346	C19H38O3S	1000309-22-0	53
3	Sulfurous acid, cyclohexylmethyl...		360	C20H40O3S	1000309-22-1	50
4	Cyclohexane, 1,3-dimethyl-, cis-		112	C8H16	000638-04-0	50
5	Cyclohexane, 1,3-dimethyl-, cis-		112	C8H16	000638-04-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

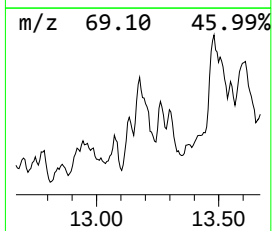
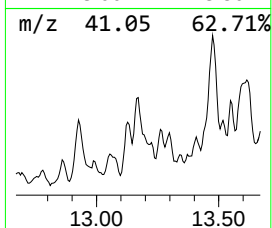
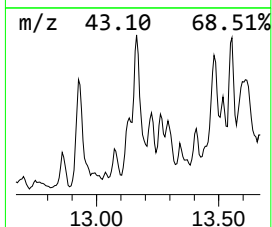
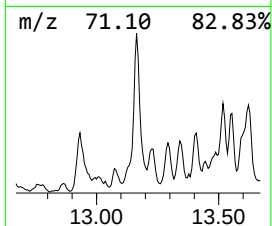
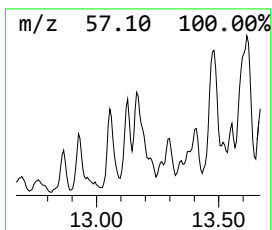
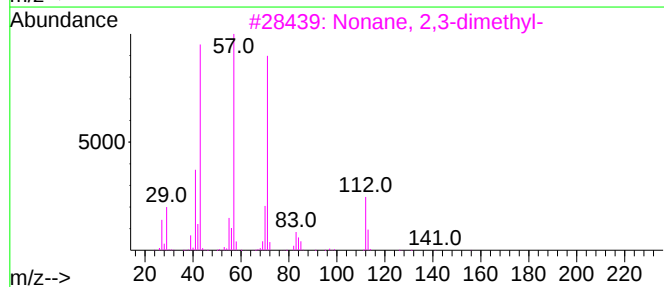
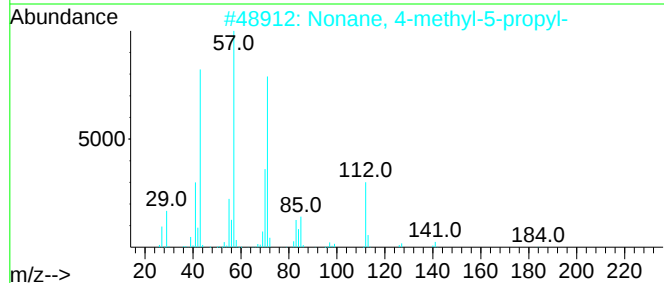
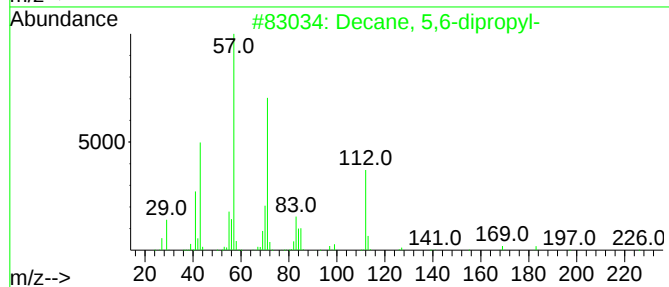
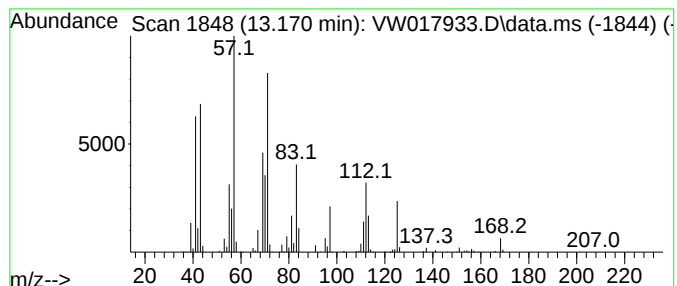
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.170	21.33 ug/L	699977	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 5,6-dipropyl-		226	C16H34	119209-20-0	50
2	Nonane, 4-methyl-5-propyl-		184	C13H28	062185-55-1	50
3	Nonane, 2,3-dimethyl-		156	C11H24	002884-06-2	47
4	1-Decene, 4-methyl-		154	C11H22	013151-29-6	46
5	2-Undecene, 5-methyl-		168	C12H24	056851-34-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

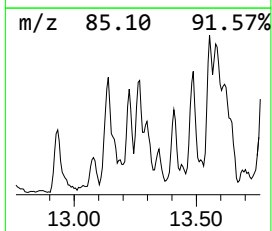
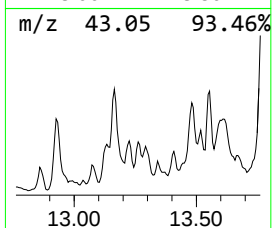
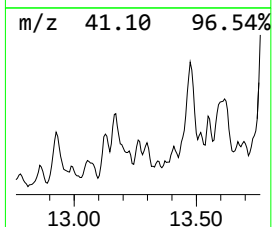
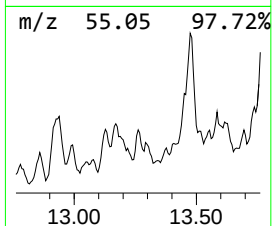
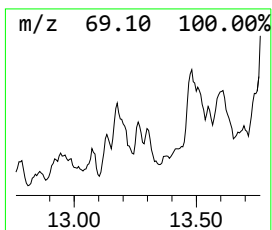
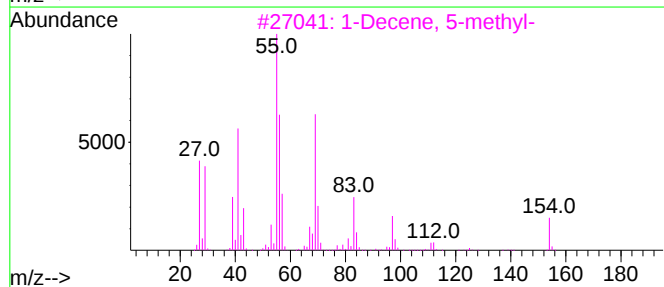
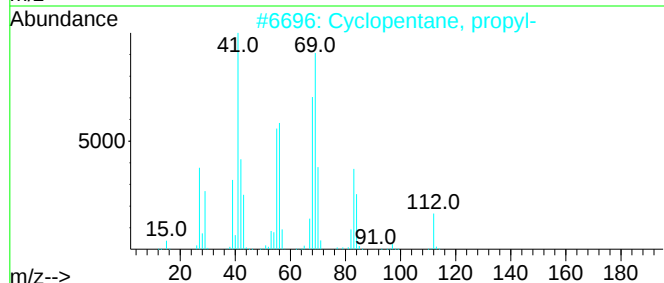
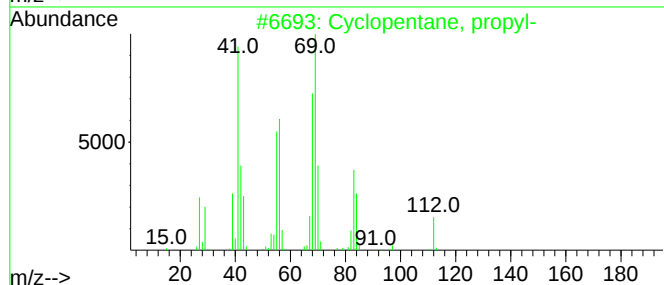
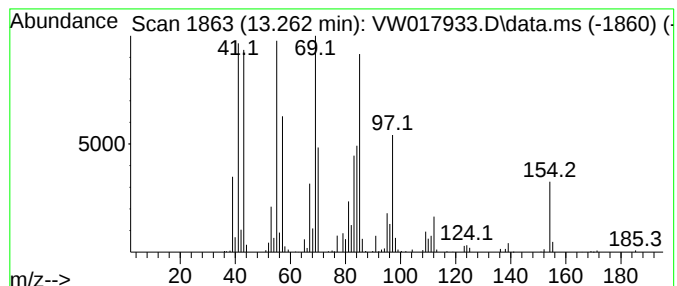
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Cyclic13.262 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.262	6.14 ug/L	201568	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, propyl-	112	C8H16	002040-96-2	43
2			Cyclopentane, propyl-	112	C8H16	002040-96-2	43
3			1-Decene, 5-methyl-	154	C11H22	054244-79-0	43
4			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	30
5			5-Hexen-2-one, 5-methyl-	112	C7H12O	003240-09-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

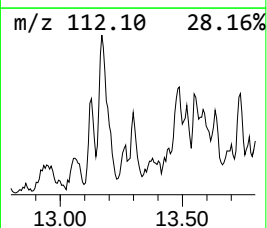
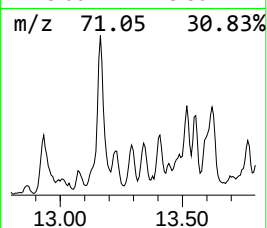
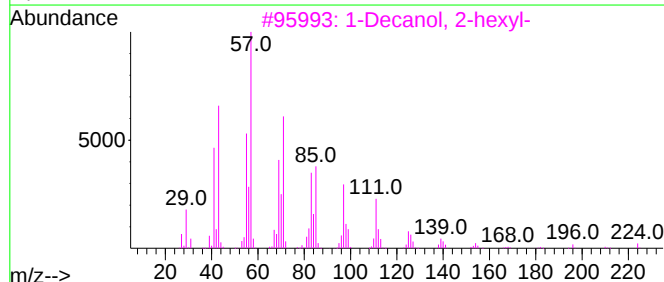
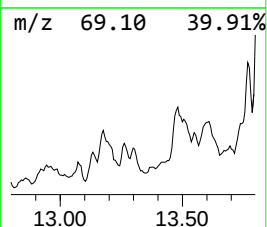
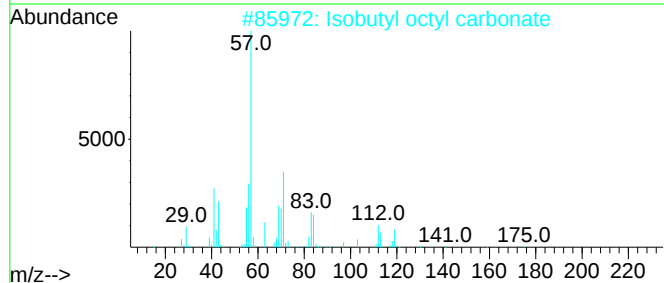
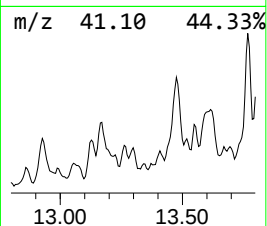
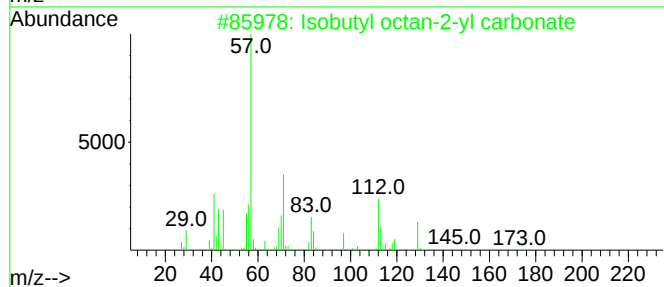
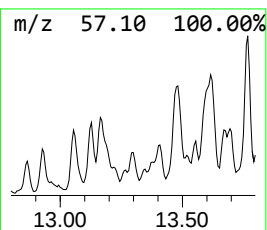
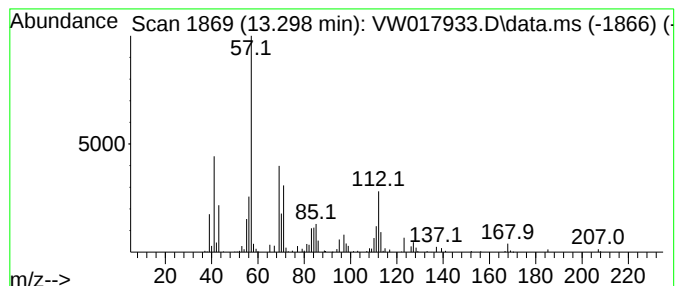
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Quant Title : VOC Analysis

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

Peak Number 28 Isobutyl octan-2-yl carbonate Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	6.67 ug/L	218882	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isobutyl octan-2-yl carbonate	230	C13H26O3	1000372-74-7	59
2			Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	50
3			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	43
4			2-Undecene, 5-methyl-	168	C12H24	056851-34-4	43
5			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

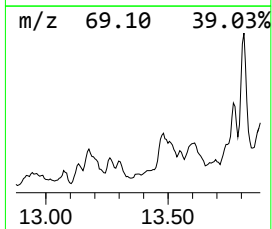
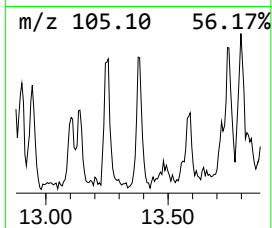
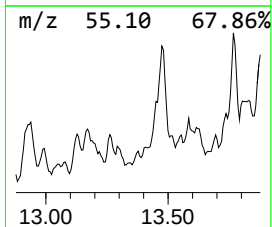
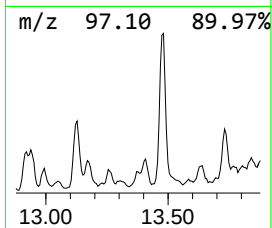
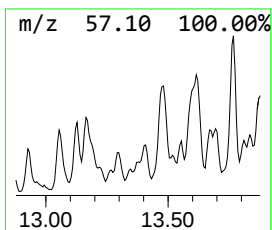
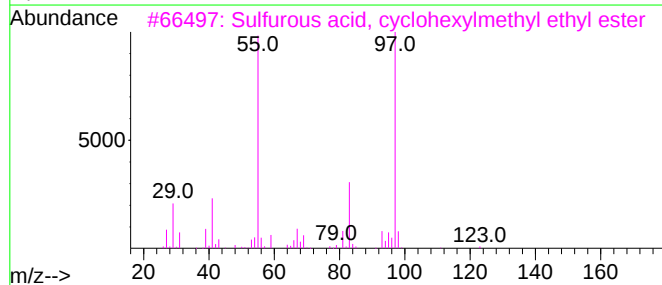
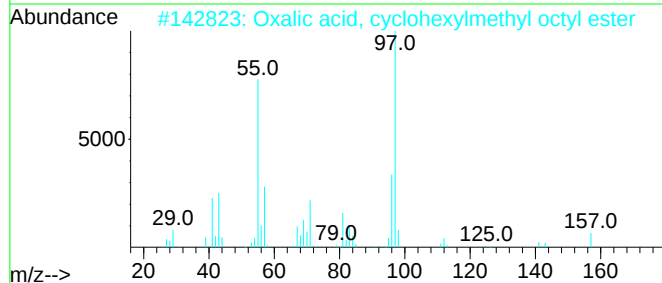
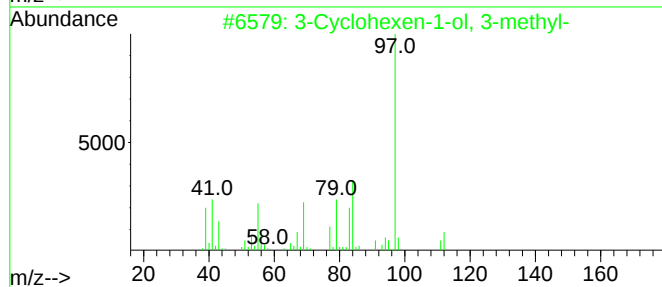
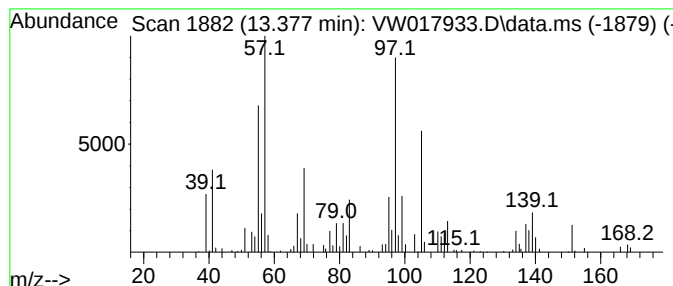
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Quant Title : VOC Analysis

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

Peak Number 29 unknown-04 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	1.85 ug/L	60560	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	053783-91-8	38
2			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	35
3			Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	35
4			Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	35
5			Cyclohexanepropanoic acid	156	C9H16O2	000701-97-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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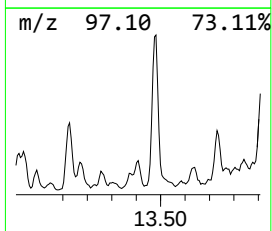
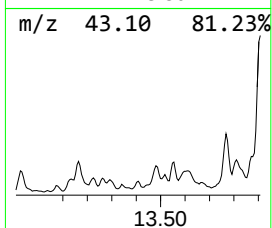
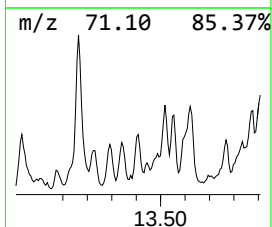
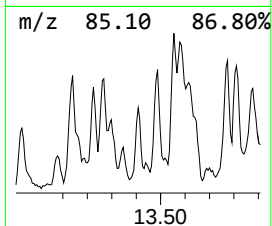
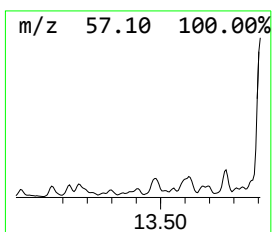
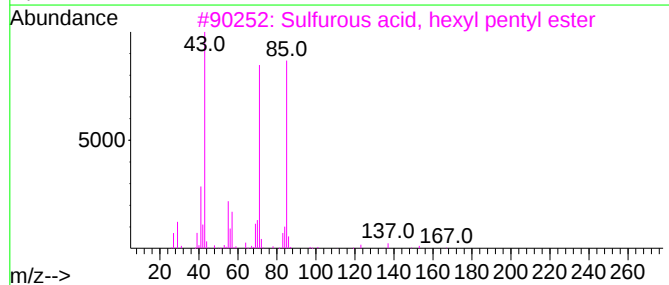
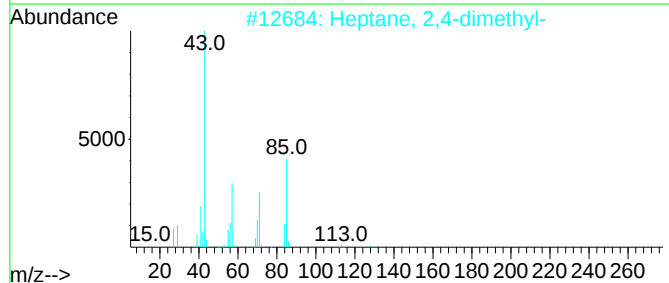
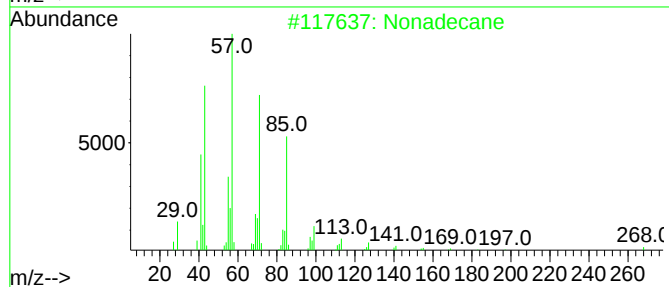
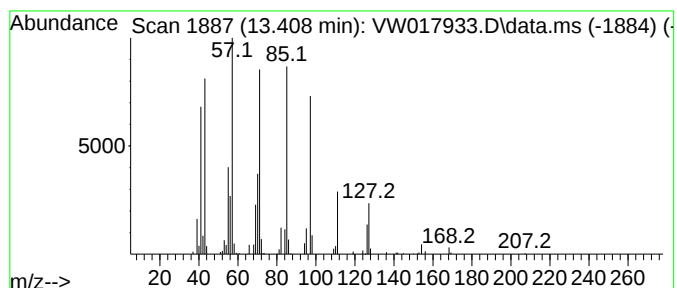
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	3.58 ug/L	117595	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	50
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
3			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	47
4			Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	47
5			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

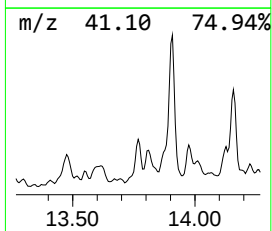
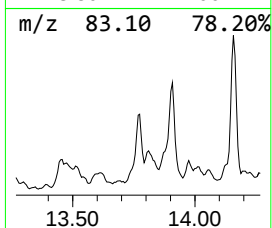
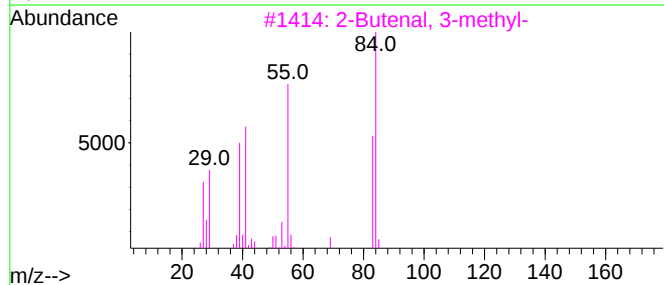
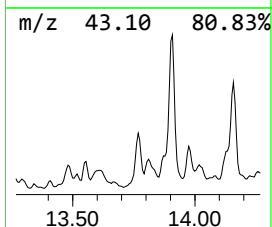
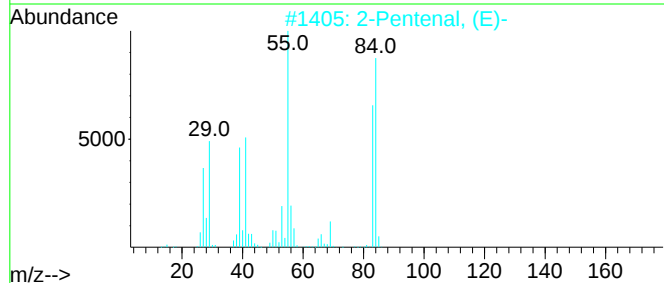
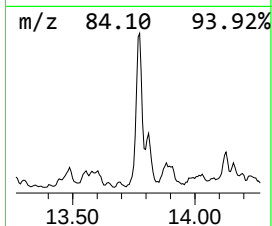
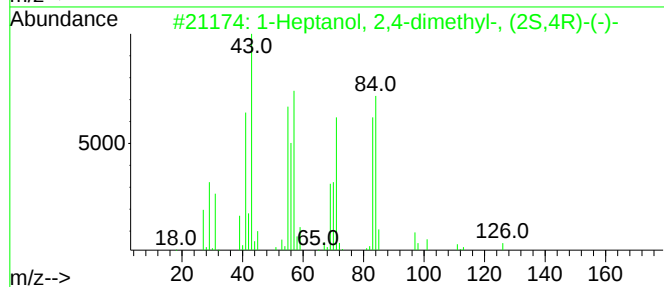
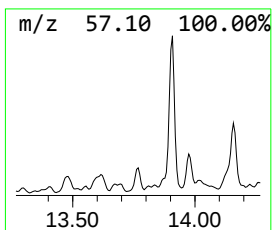
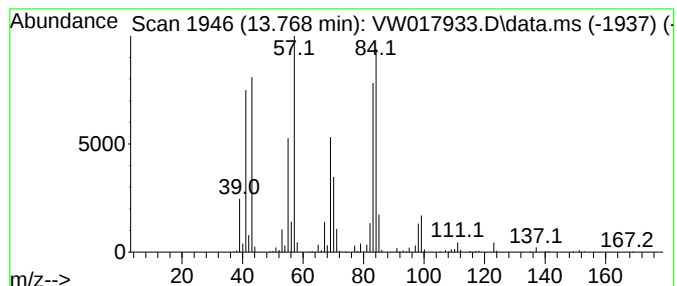
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Quant Title : VOC Analysis

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

Peak Number 31 1-Heptanol, 2,4-dimethyl-, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	46.37 ug/L	1521460	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptanol, 2,4-dimethyl-, (2S,4...	144	C9H20O	018450-74-3	56
2			2-Pentenal, (E)-	84	C5H8O	001576-87-0	50
3			2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	43
4			2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	43
5			1,2-Dimethylpyrrolidine	99	C6H13N	1000326-00-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

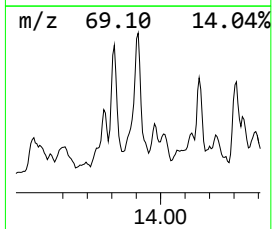
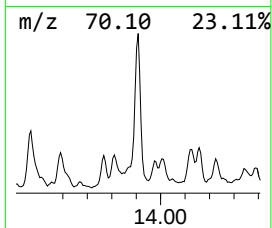
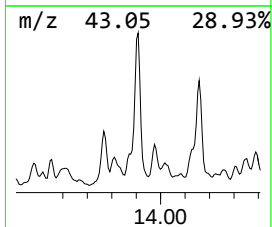
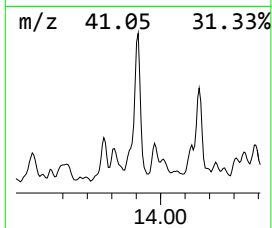
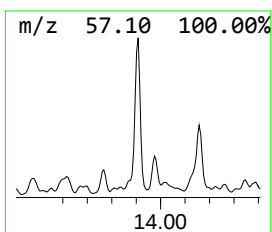
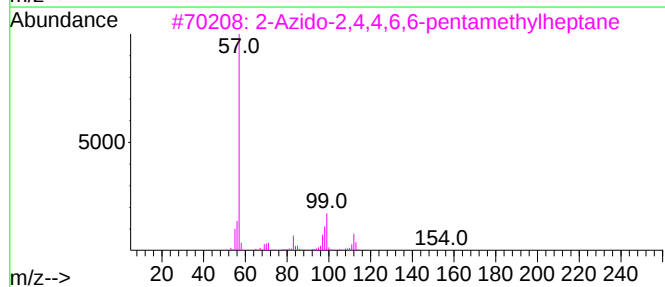
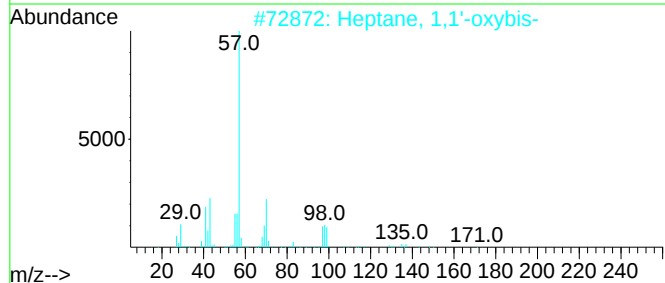
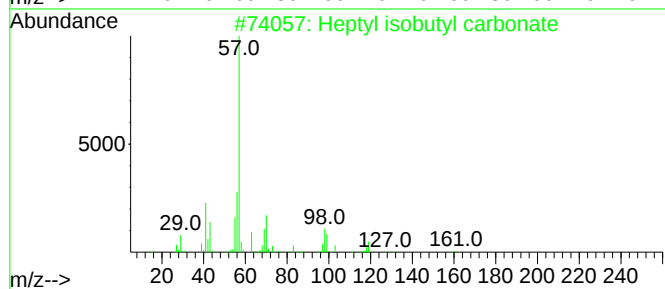
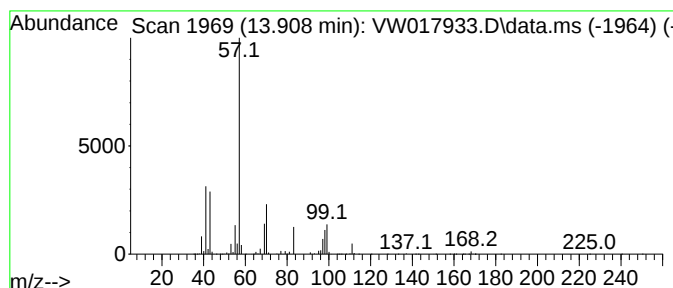
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Quant Title : VOC Analysis

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

Peak Number 32 Heptyl isobutyl carbonate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.908	123.74 ug/L	4060380	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	72
2			Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
3			2-Azido-2,4,4,6,6-pentamethylhep...	211	C12H25N3	1000293-29-0	47
4			Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	42
5			2-Azido-2,4,4,6,6,8-heptamethy...	267	C16H33N3	1000293-29-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

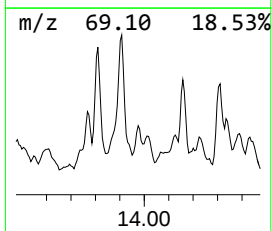
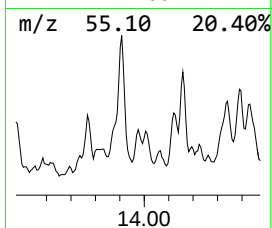
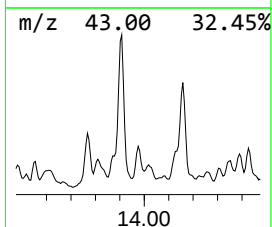
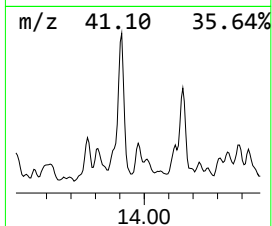
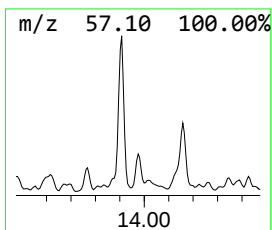
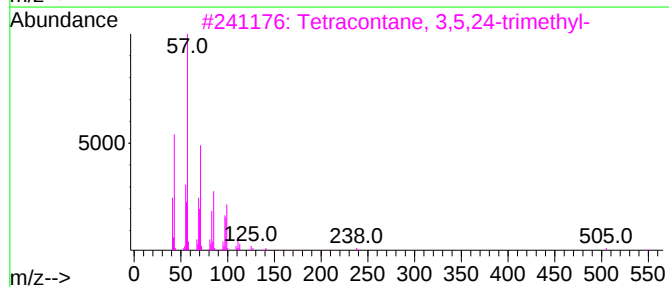
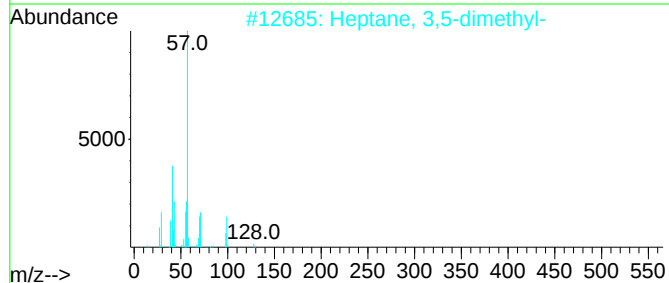
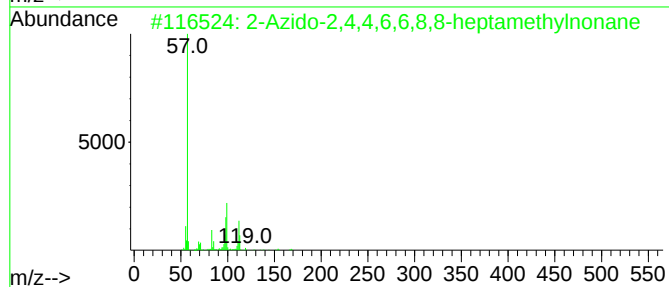
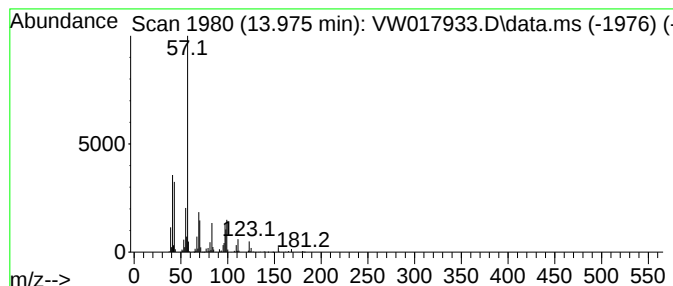
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Quant Title : VOC Analysis

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

Peak Number 33 2-Azido-2,4,4,6,6,8,8-hepta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	28.24 ug/L	926584	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Azido-2,4,4,6,6,8,8-heptamethy...	267	C16H33N3	1000293-29-1	50
2			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43
3			Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	42
4			Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	40
5			2-Azido-2,4,4,6,6-pentamethylhep...	211	C12H25N3	1000293-29-0	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

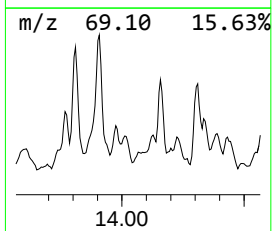
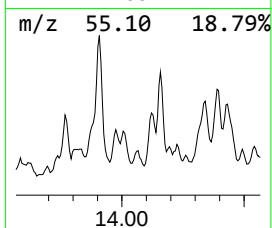
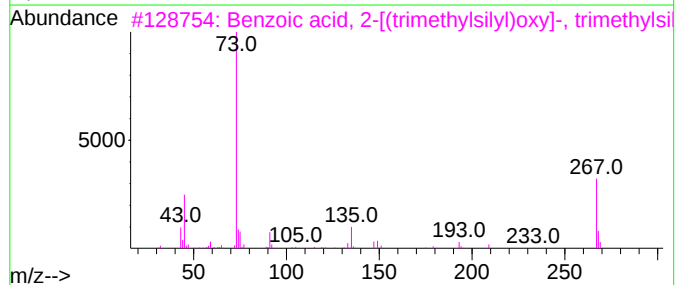
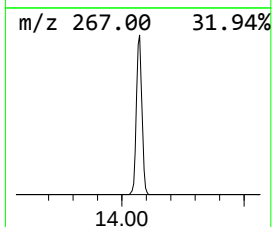
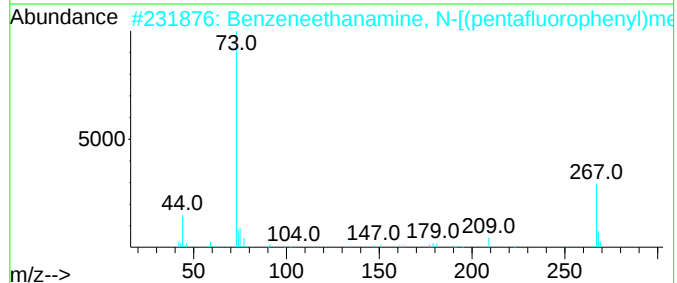
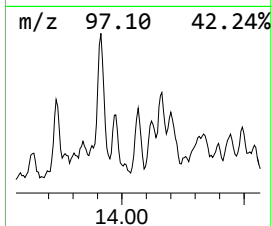
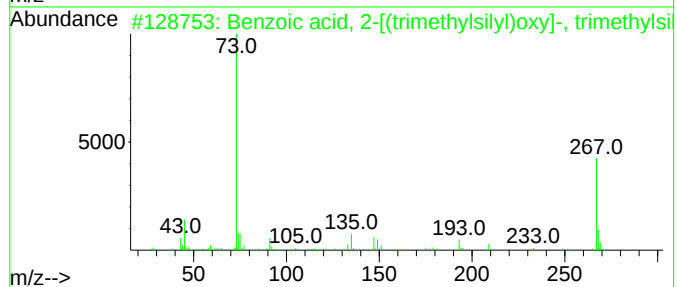
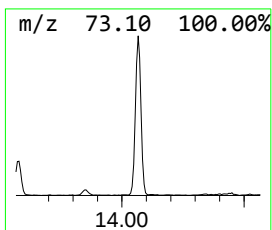
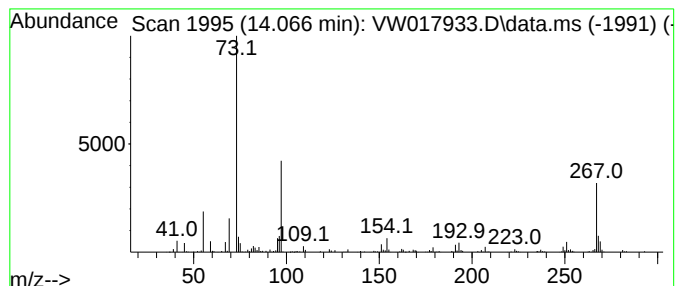
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Quant Title : VOC Analysis

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

Peak Number 34 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.066	10.97 ug/L	359820	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	38
2			Benzenethanamine, N-[(pentaflu...]	475	C21H26F5NO2Si2	055429-85-1	35
3			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	32
4			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	32
5			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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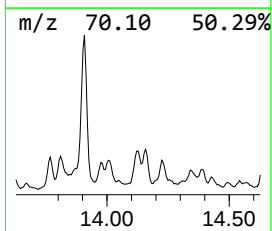
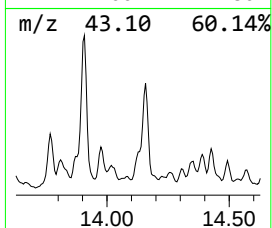
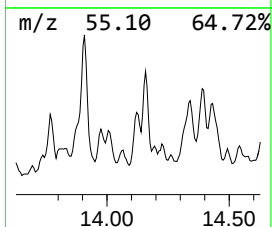
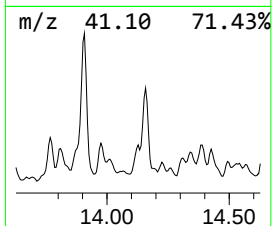
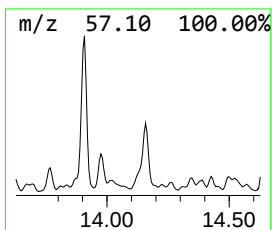
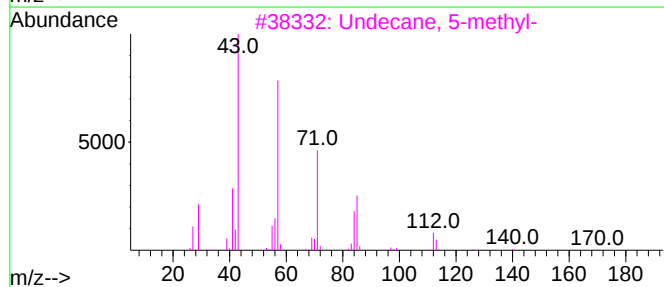
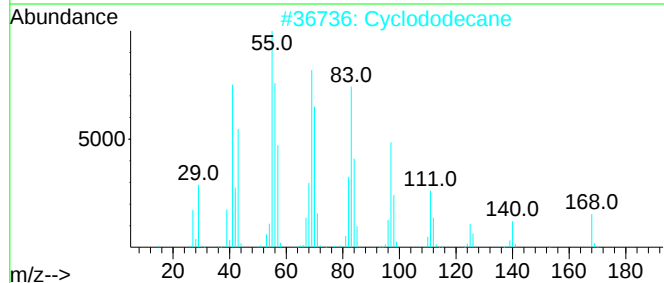
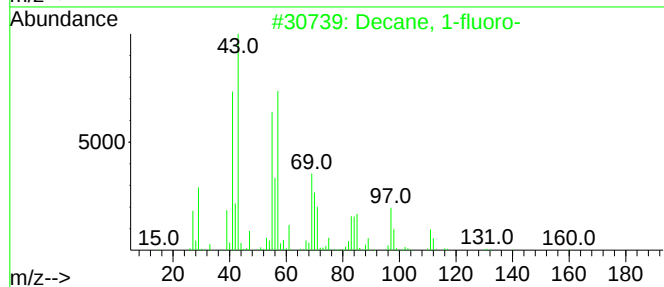
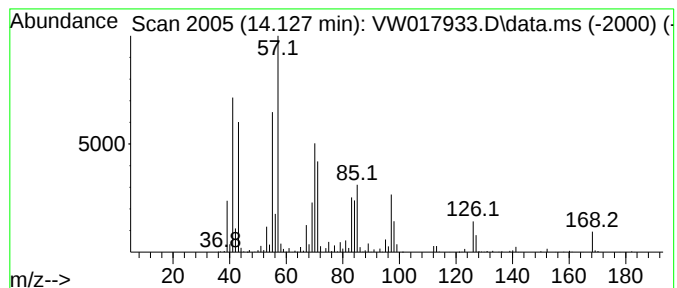
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Quant Title : VOC Analysis

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

Peak Number 35 Decane, 1-fluoro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.127	22.54 ug/L	739456	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1-fluoro-	160	C10H21F	000334-56-5	72
2			Cyclododecane	168	C12H24	000294-62-2	43
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	41
4			Propanoic acid, 2-methyl-, nonyl...	214	C13H26O2	010522-34-6	38
5			2,3-Dimethyldecane	170	C12H26	017312-44-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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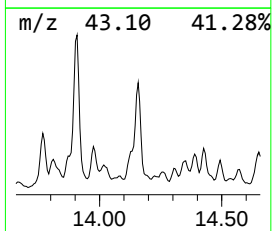
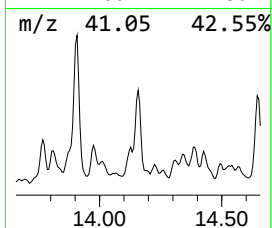
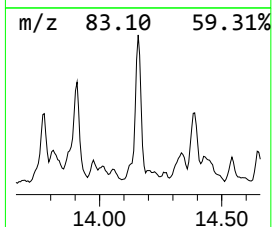
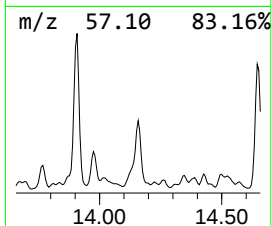
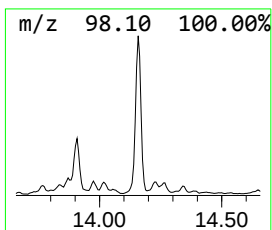
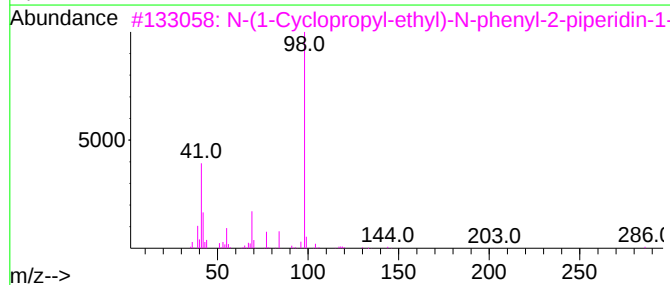
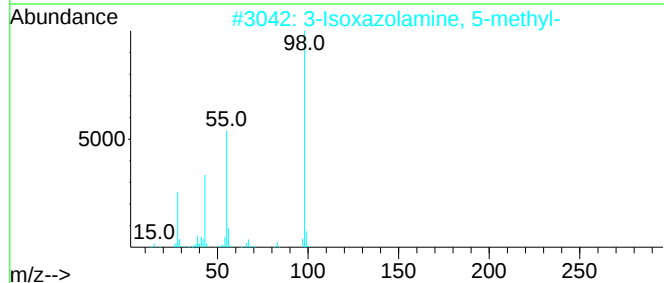
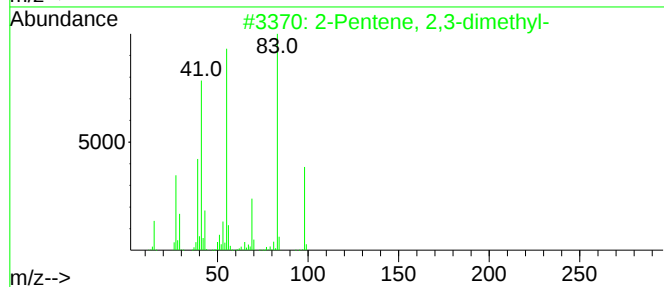
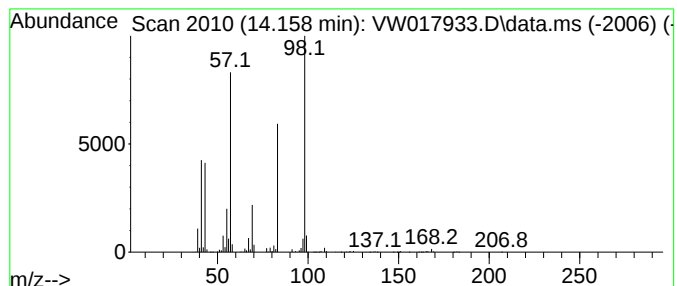
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.158	66.79 ug/L	2191590	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	46
2			3-Isoxazoline, 5-methyl-	98	C4H6N2O	001072-67-9	43
3			N-(1-Cyclopropyl-ethyl)-N-phenyl...	286	C18H26N2O	1000295-95-4	43
4			Propan-2-ol, 1-(2-isopropyl-5-me...	297	C18H35NO2	301317-71-5	38
5			But-3-en-1-ynyl methyl sulfide	98	C5H6S	1000298-90-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

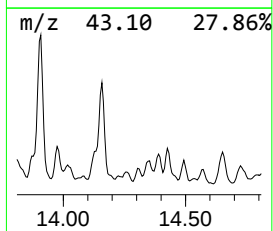
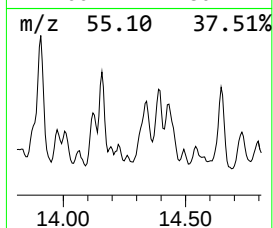
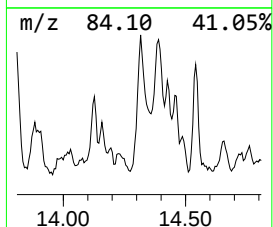
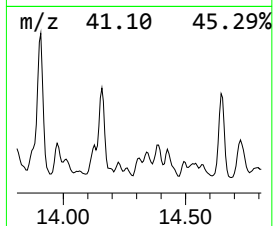
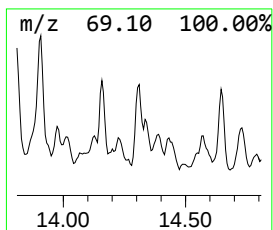
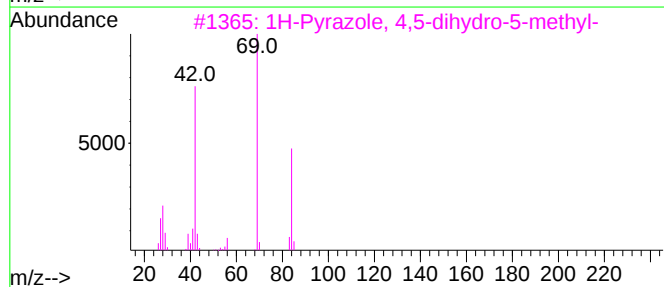
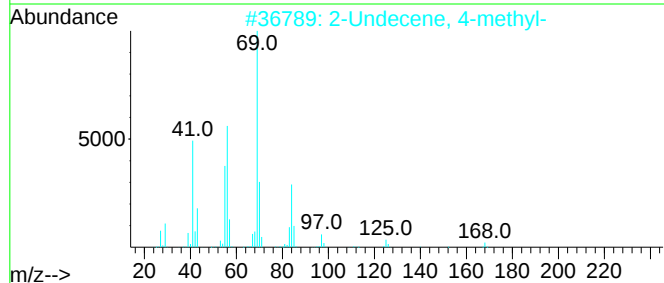
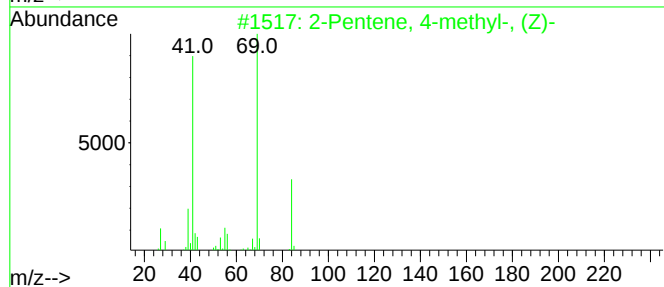
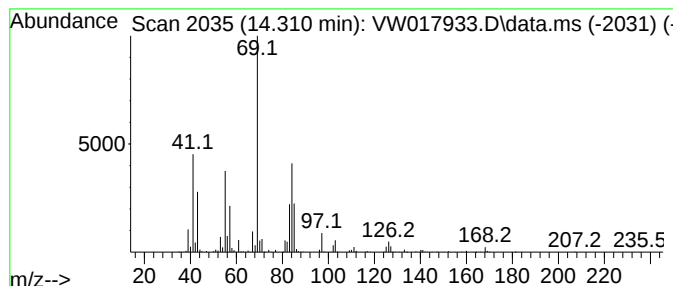
Instrument :
MSVOA_W
ClientSampleId :
F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.310	14.73 ug/L	483264	1,4-Dichlorobenzene-d4			13.554
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12		000691-38-3	53
2	2-Undecene, 4-methyl-	168	C12H24		091695-32-8	50
3	1H-Pyrazole, 4,5-dihydro-5-methyl-	84	C4H8N2		001568-20-3	50
4	4-Octene, 2,3,6,7-tetramethyl-	168	C12H24		063830-66-0	50
5	Nonane, 2-methyl-3-methylene-	154	C11H22		055499-08-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

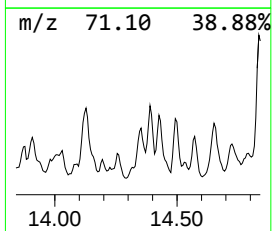
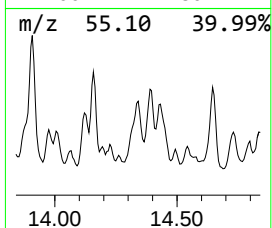
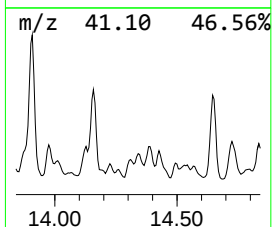
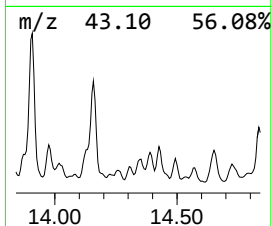
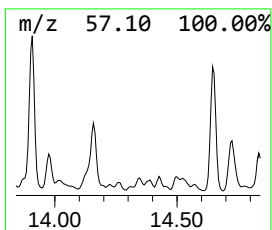
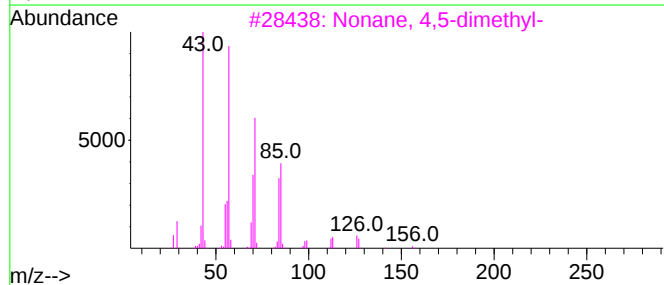
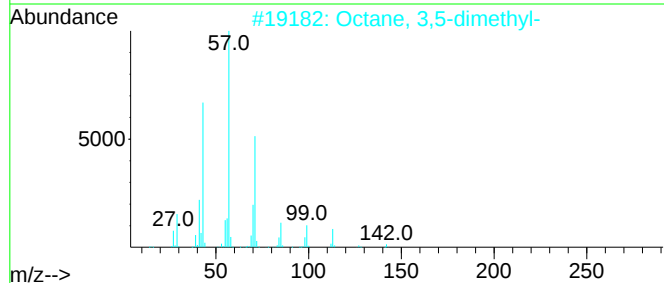
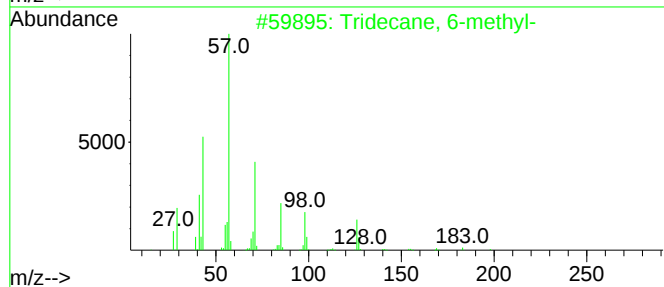
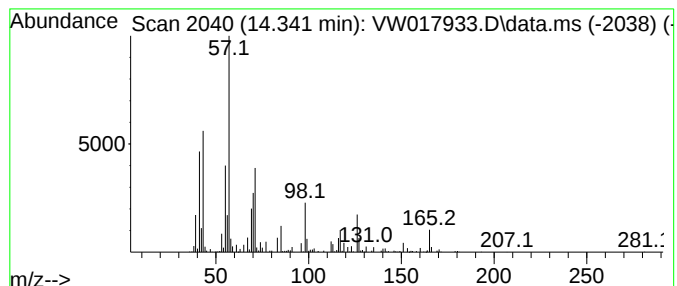
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.341	22.41 ug/L	735209	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43
3			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	43
4			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	38
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

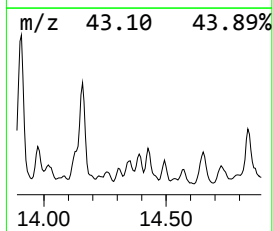
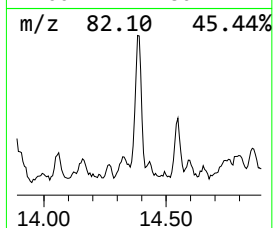
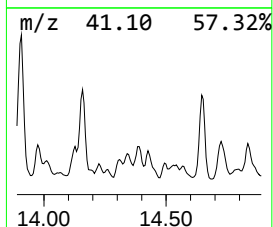
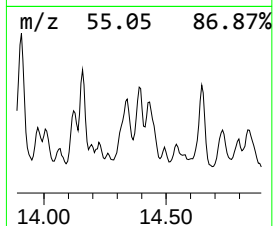
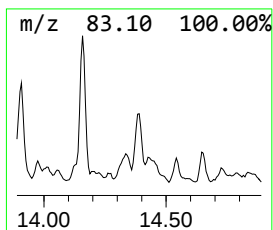
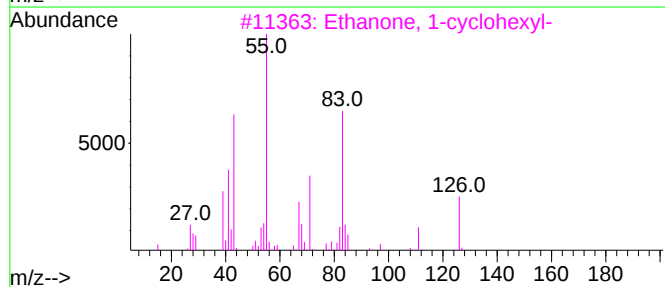
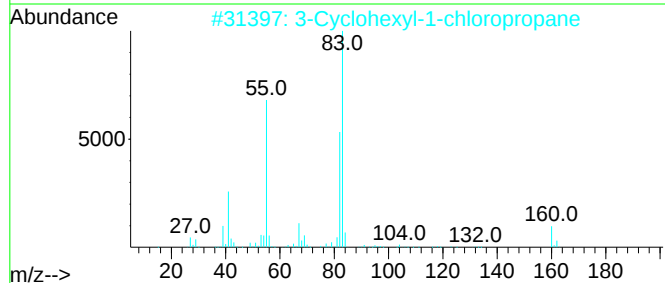
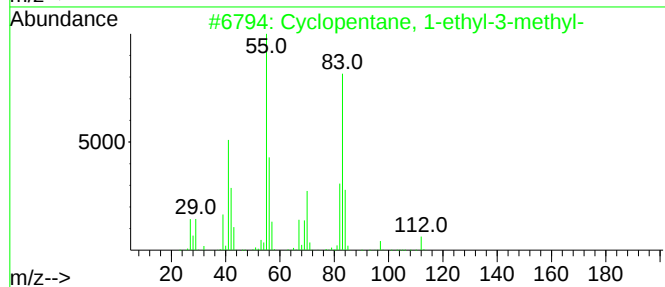
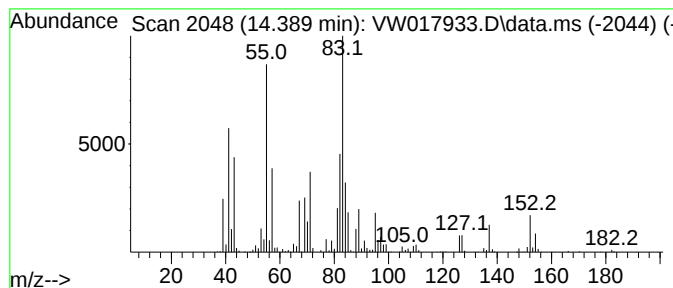
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Cyclic14.389 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	34.65 ug/L	1136860	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	50
2		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43
3		Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	43
4		2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	37
5		2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

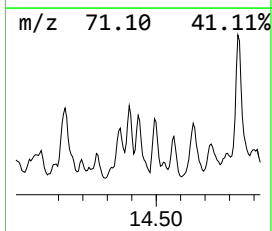
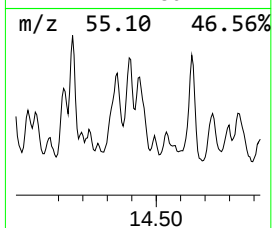
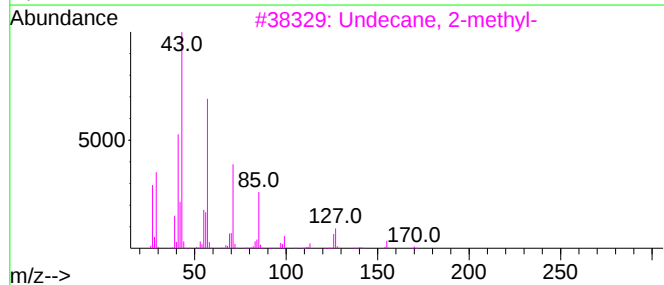
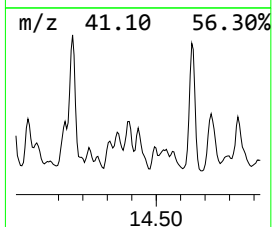
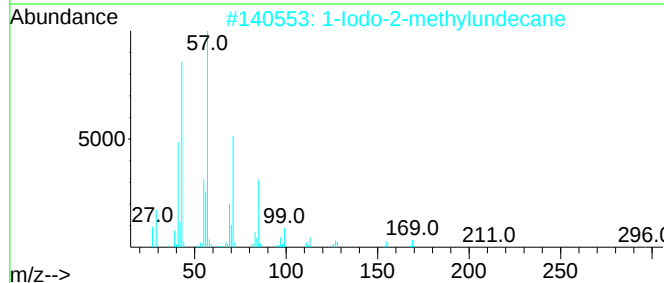
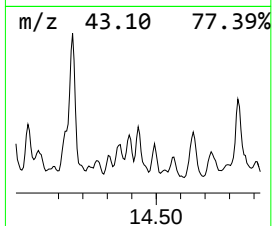
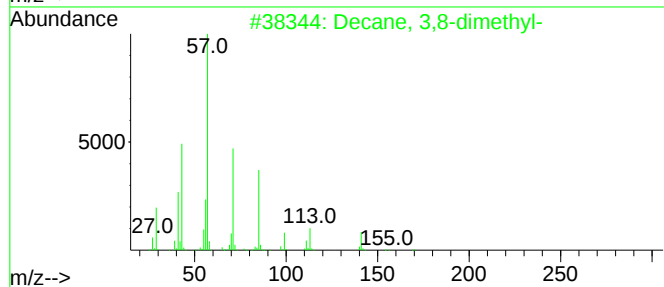
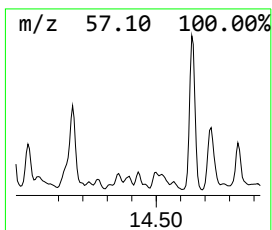
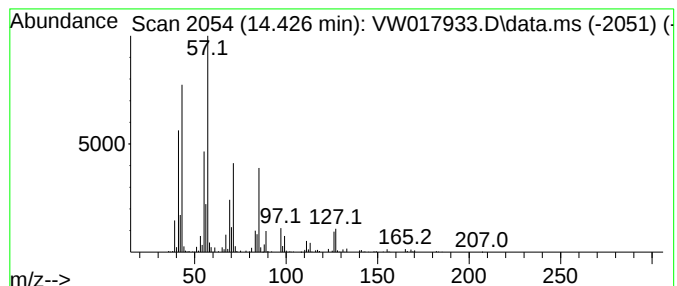
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	30.86 ug/L	1012470	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	52
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50
5		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

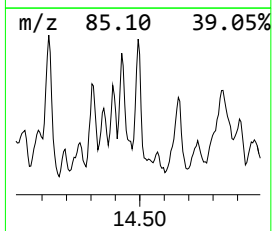
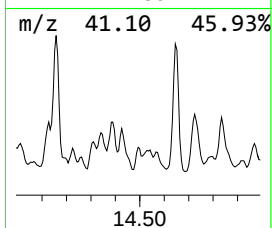
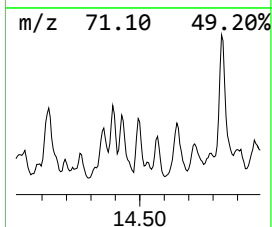
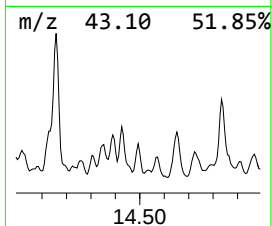
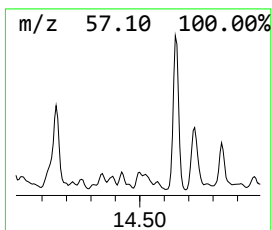
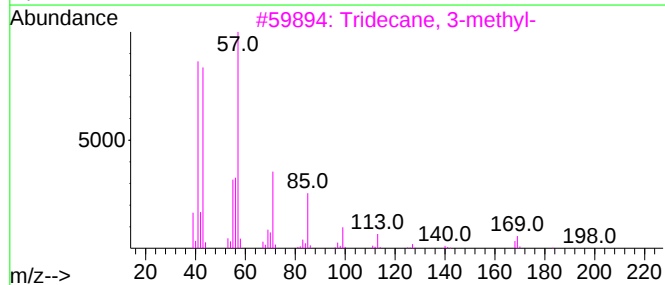
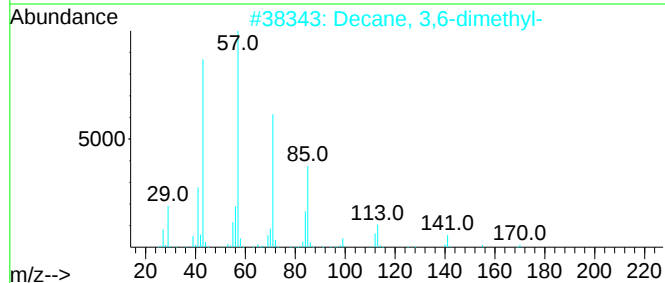
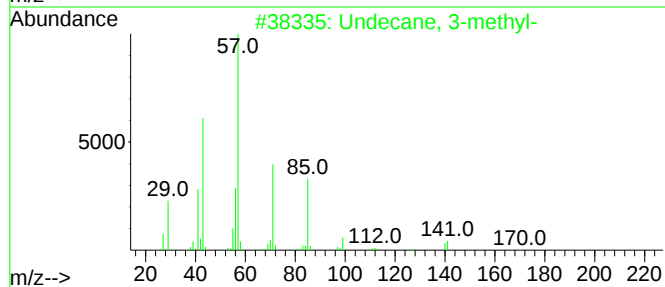
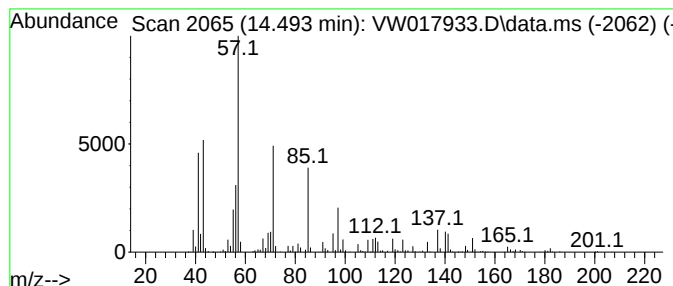
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	15.61 ug/L	512063	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	59
2			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	58
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
4			Tetradecane	198	C14H30	000629-59-4	50
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

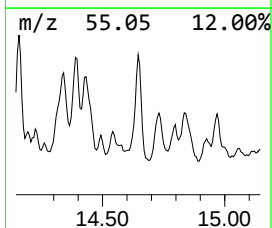
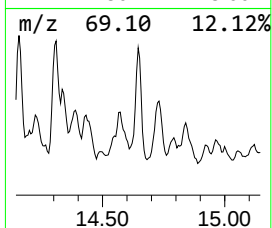
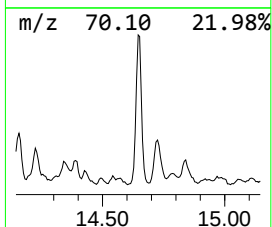
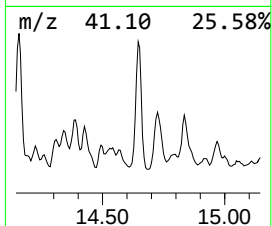
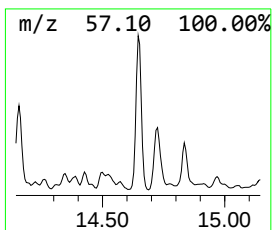
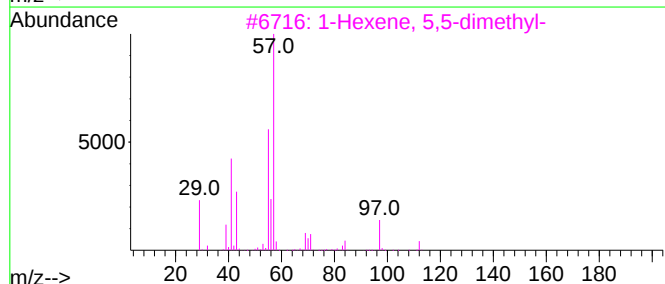
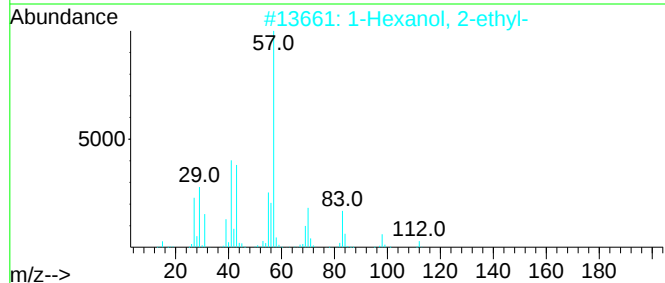
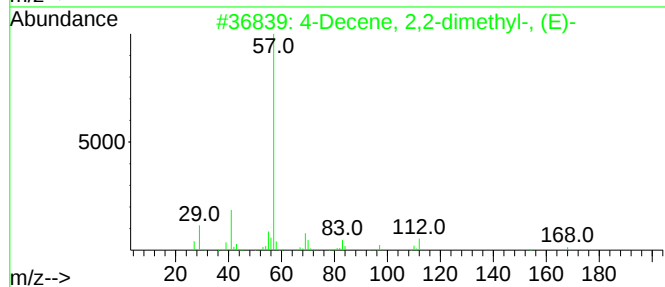
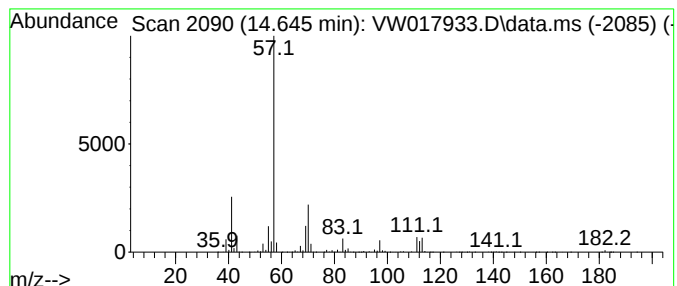
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.646	70.63 ug/L	2317540	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	43	
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	36	
3	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	32	
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	25	
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	25	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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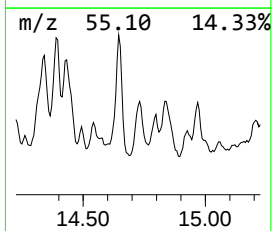
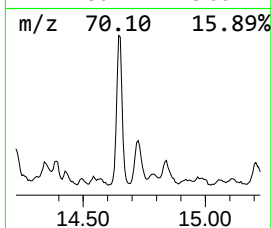
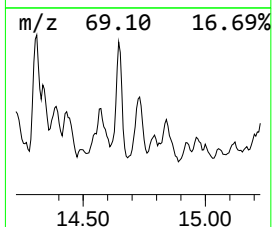
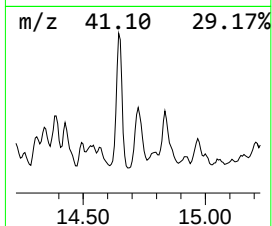
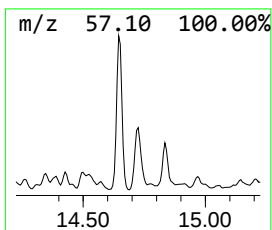
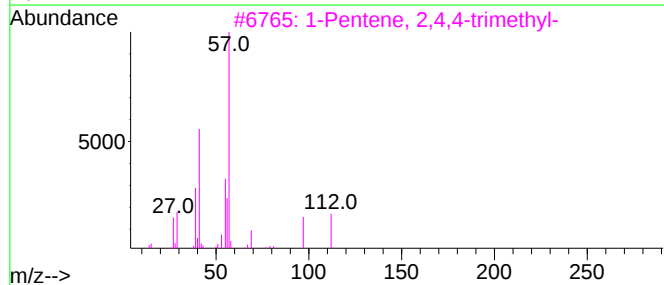
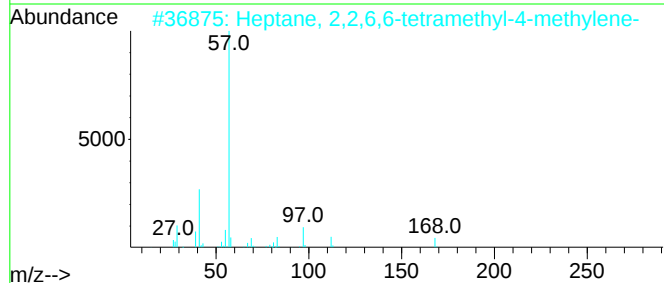
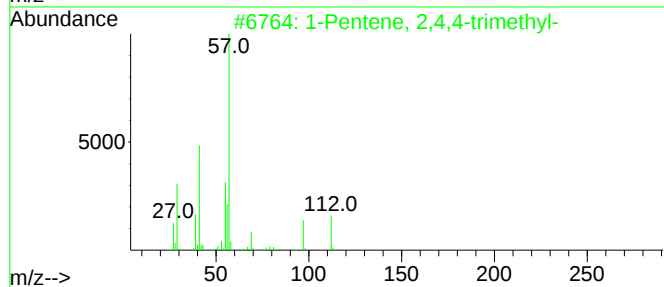
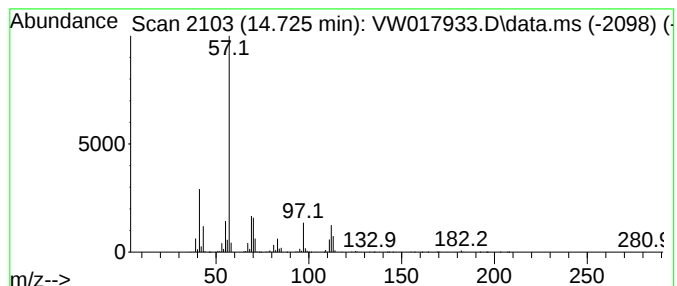
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	38.46 ug/L	1261940	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	50
2		Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	50
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	50
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	46
5		6-Tridecene, 2,2,4,10,12,12-hexa...	392	C28H56	055255-73-7	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

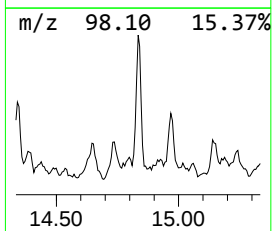
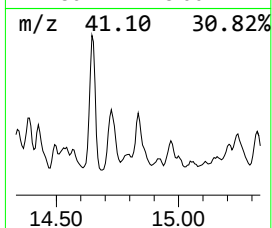
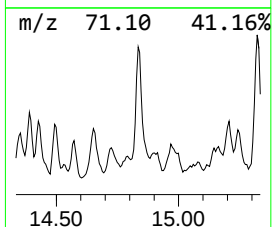
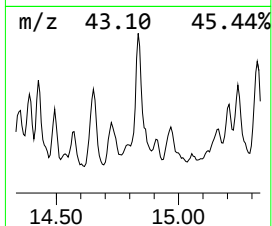
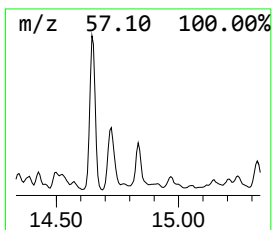
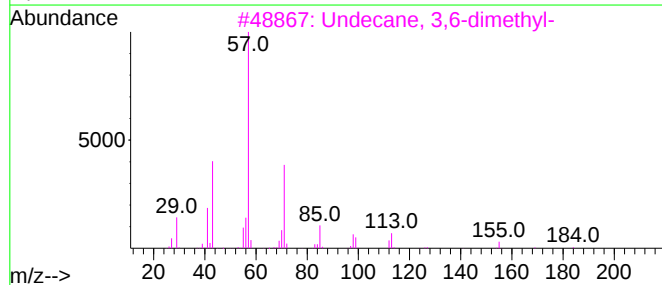
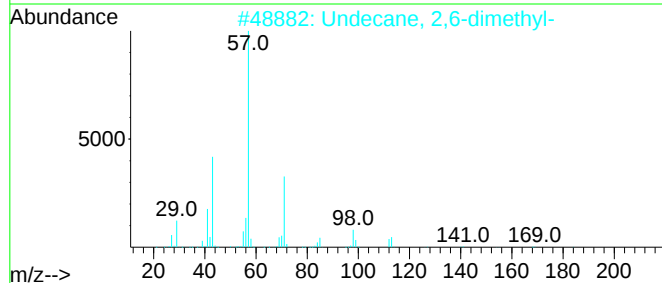
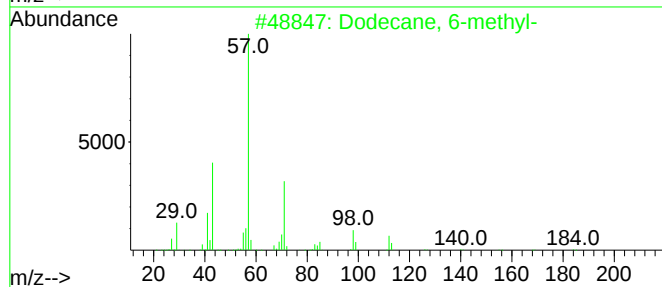
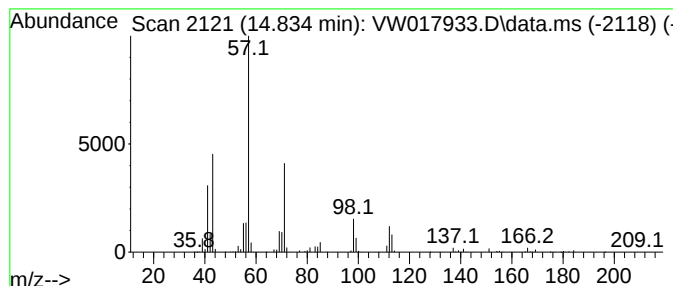
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.835	38.02 ug/L	1247550	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	74
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
5			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

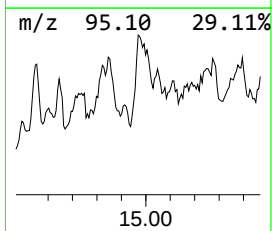
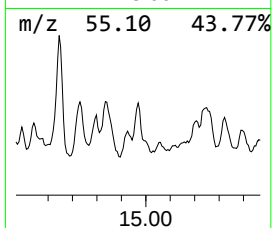
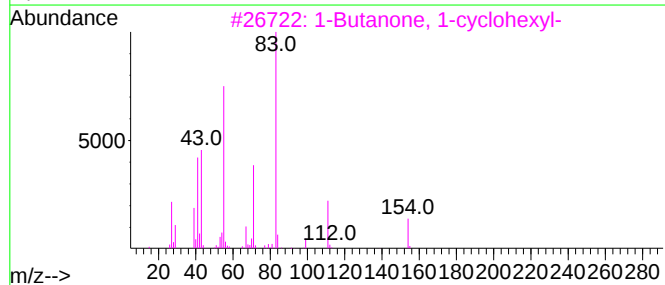
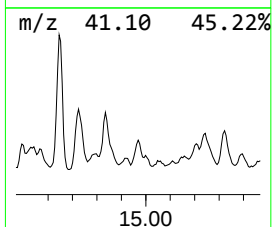
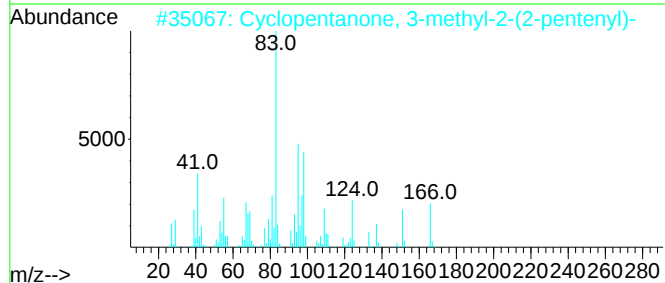
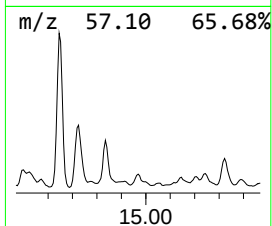
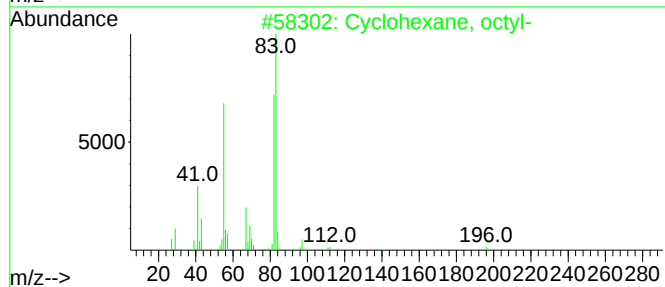
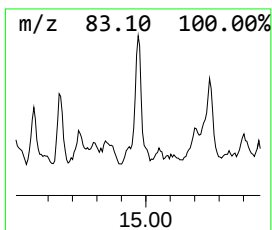
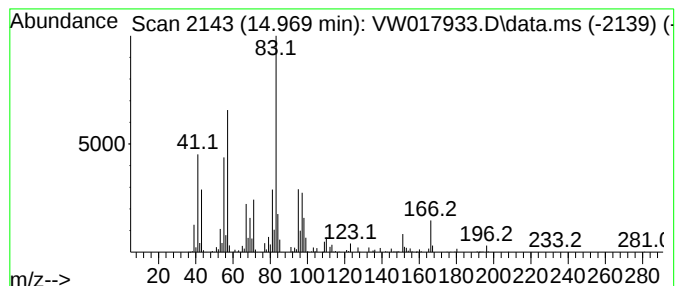
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic14.969 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.969	18.09 ug/L	593616	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, octyl-	196	C14H28	001795-15-9	49
2			Cyclopentanone, 3-methyl-2-(2-pe...	166	C11H18O	007051-39-0	47
3			1-Butanone, 1-cyclohexyl-	154	C10H18O	001462-27-7	43
4			4-Pentenoic acid, 2,4-dimethyl-,...	142	C8H14O2	034998-29-3	43
5			2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

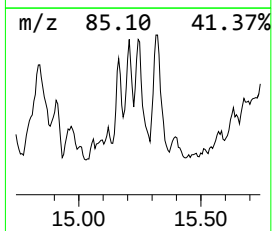
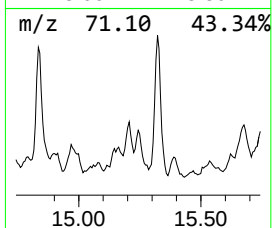
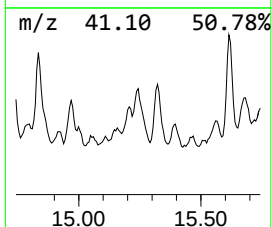
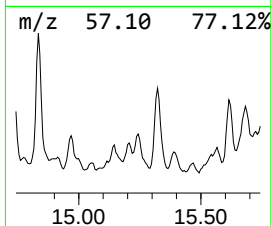
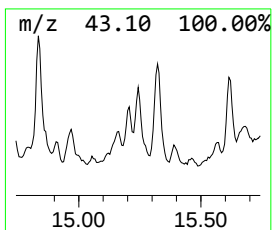
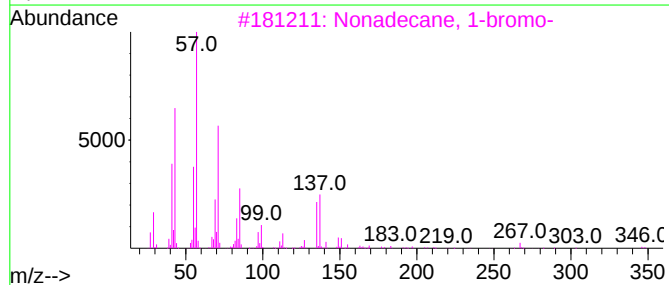
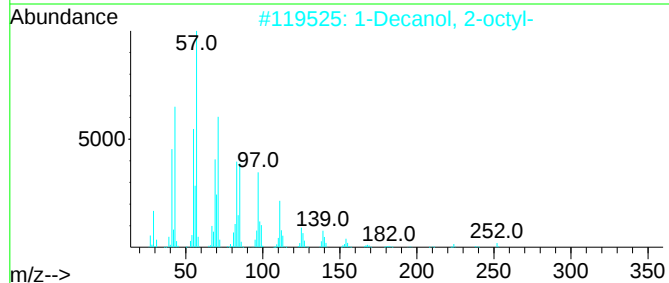
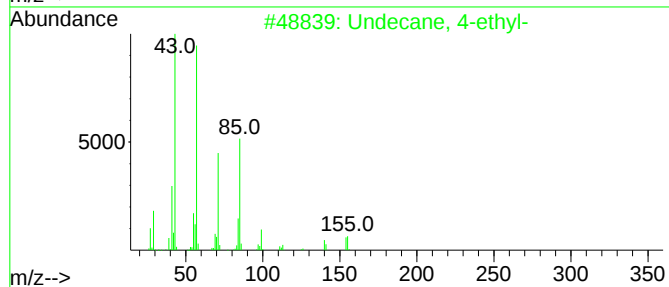
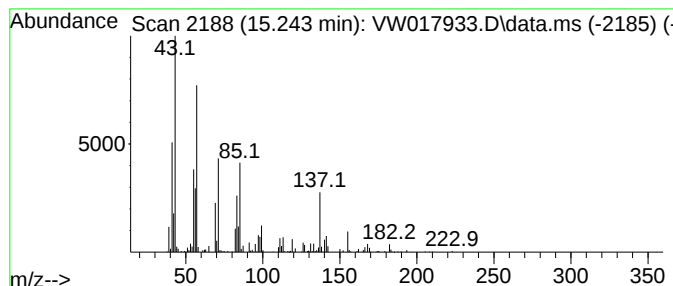
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	25.80 ug/L	846543	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4-ethyl-	184	C13H28	017312-59-3	53
2			1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	50
3			Nonadecane, 1-bromo-	346	C19H39Br	004434-66-6	50
4			Pentadecane	212	C15H32	000629-62-9	50
5			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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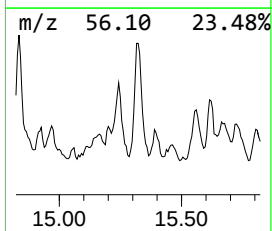
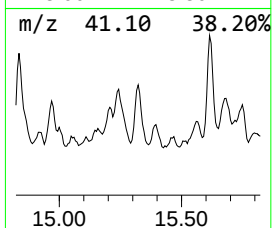
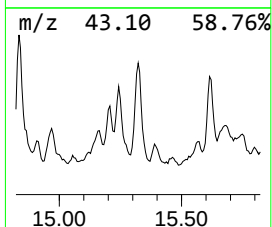
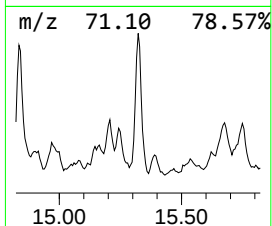
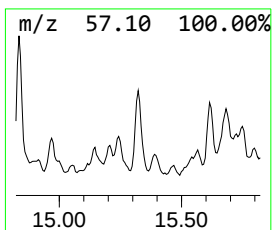
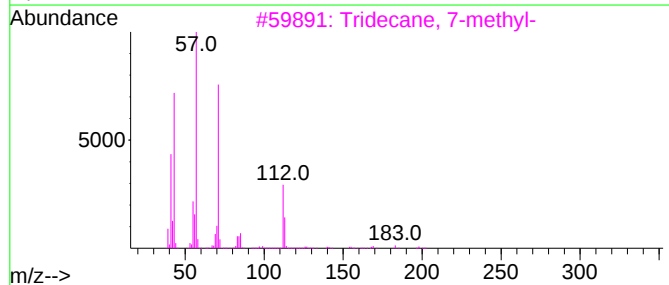
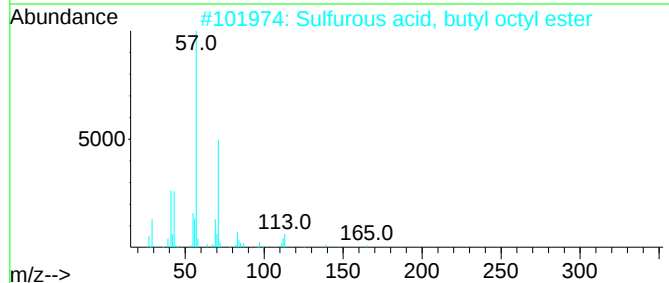
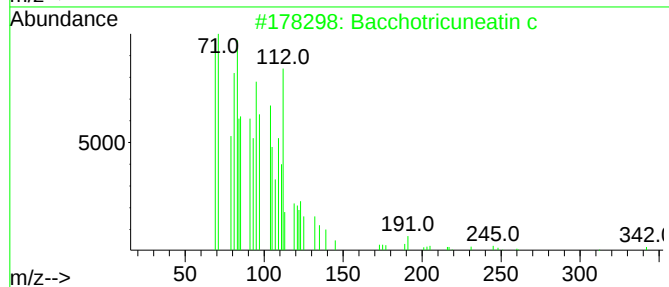
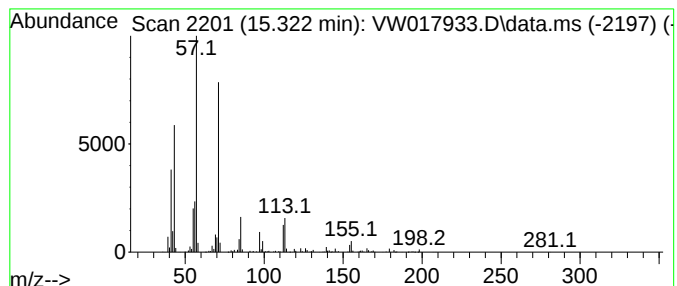
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Quant Title : VOC Analysis

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

Peak Number 47 Bacchotricuneatin c Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	23.23 ug/L	762124	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	64
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5			Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F1C16

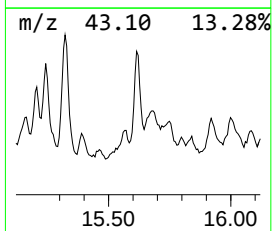
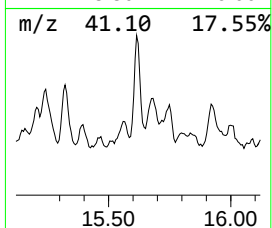
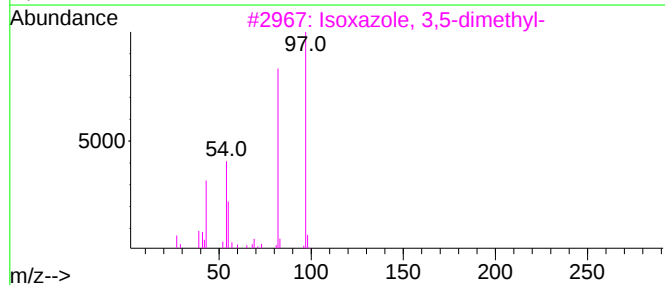
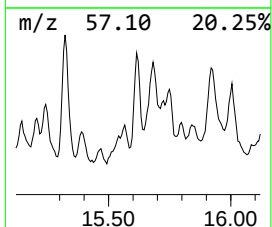
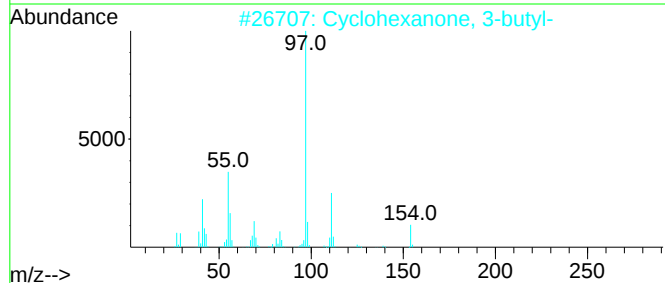
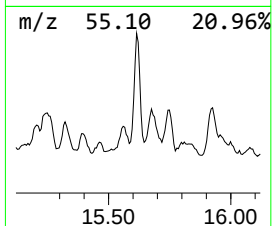
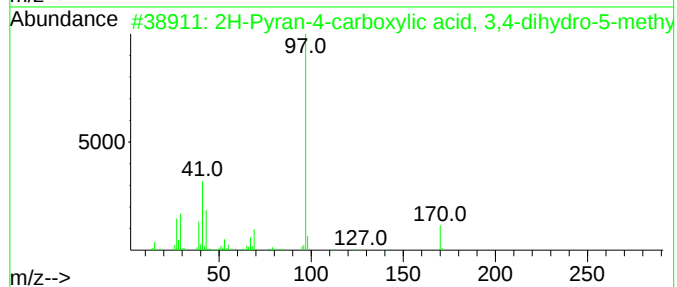
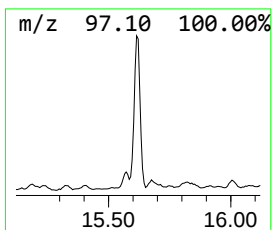
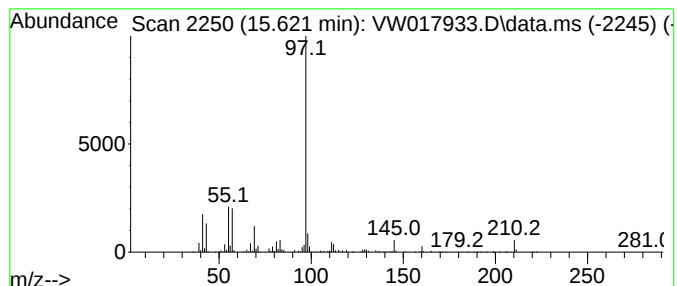
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Quant Title : VOC Analysis

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

Peak Number 48 2H-Pyran-4-carboxylic acid,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.621	60.94 ug/L	1999620	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H-Pyran-4-carboxylic acid, 3,4-...	170	C9H14O3	038858-64-9	64
2			Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	64
3			Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	59
4			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	50
5			Dicyclohexyl methylphosphonate	260	C13H25O3P	007040-53-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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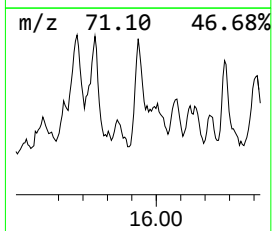
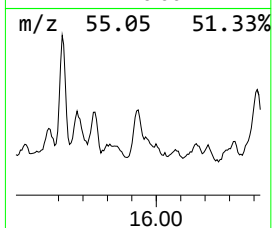
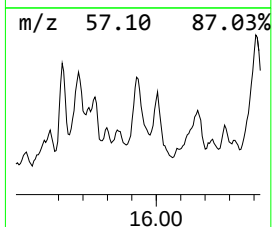
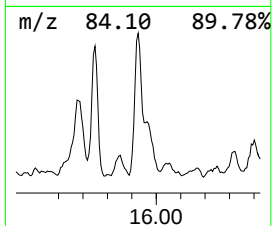
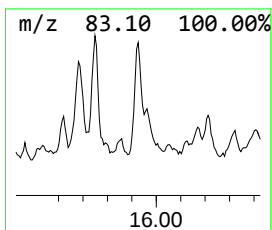
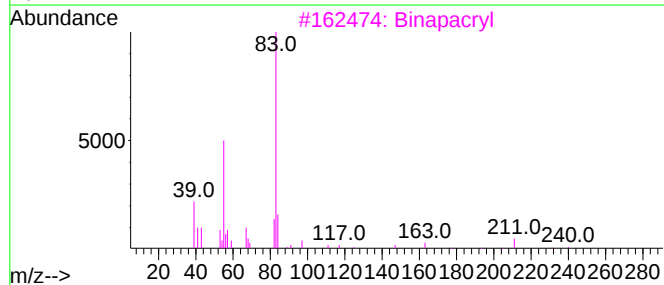
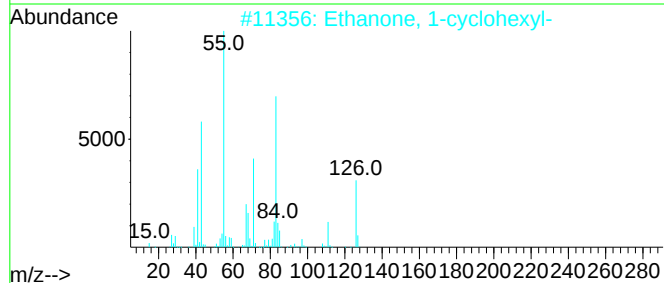
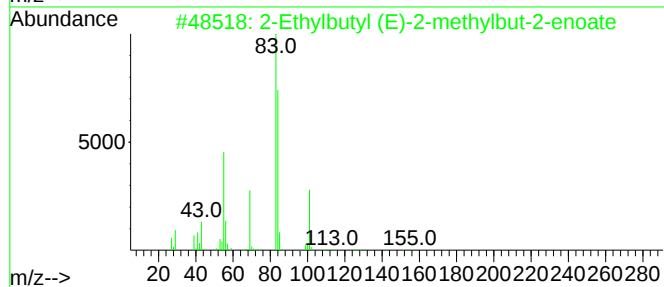
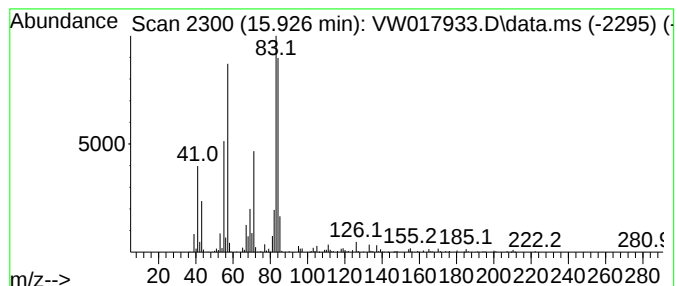
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Quant Title : VOC Analysis

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

Peak Number 49 2-Ethylbutyl (E)-2-methylbu... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.926	25.78 ug/L	845925	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethylbutyl (E)-2-methylbut-2-e...	184	C11H20O2	1000373-75-6	50
2			Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	38
3			Binapacryl	322	C15H18N2O6	000485-31-4	27
4			Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	27
5			Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
Data File : VW017933.D
Acq On : 18 Jan 2021 17:06
Operator : SY/VA
Sample : M1099-20
Misc : 7.00G/10ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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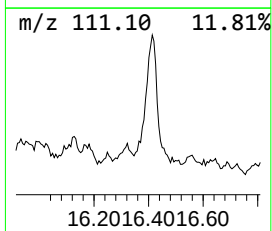
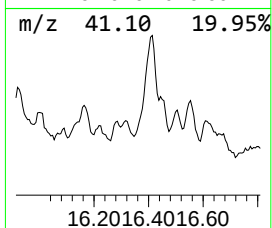
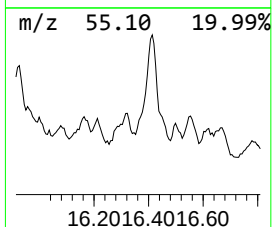
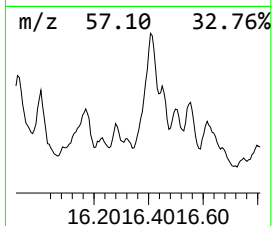
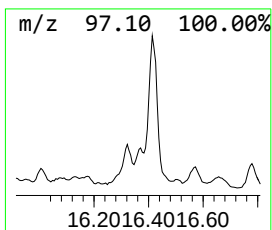
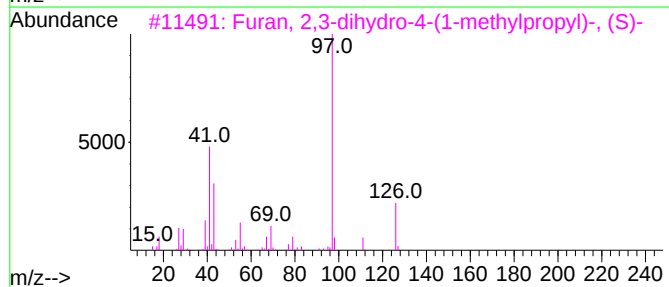
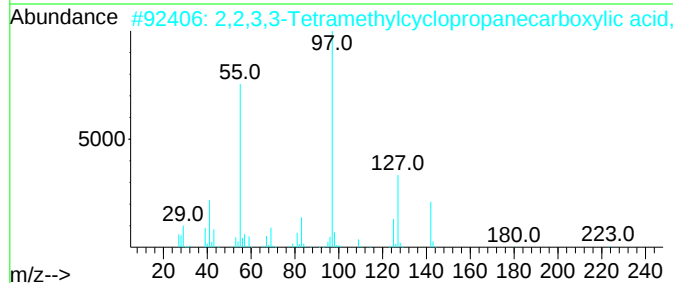
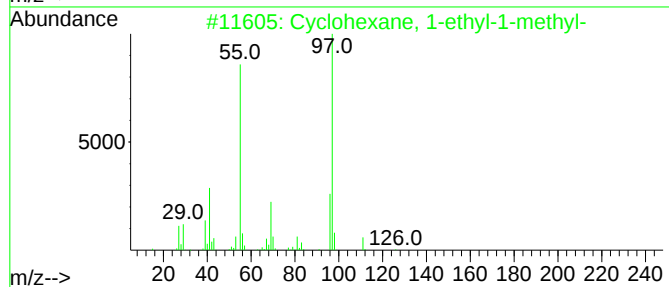
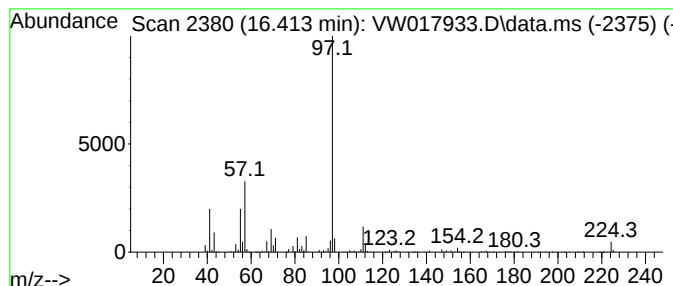
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic16.413 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.413	56.40 ug/L	1850730	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
2			2,2,3,3-Tetramethylcyclopropanec...	238	C15H26O2	1000221-97-5	59
3			Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	59
4			Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	53
5			Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017933.D
 Acq On : 18 Jan 2021 17:06
 Operator : SY/VA
 Sample : M1099-20
 Misc : 7.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.947	1.3	ug/L	48250	1	8.842	908300	25.0
(DEL) Alkane: S...	9.067	1.8	ug/L	65480	1	8.842	908300	25.0
(DEL) Alkane: C...	9.524	1.7	ug/L	60939	1	8.842	908300	25.0
(DEL) Alkane: S...	9.756	1.6	ug/L	57413	1	8.842	908300	25.0
(DEL) Alkane: S...	9.896	4.7	ug/L	172061	1	8.842	908300	25.0
(DEL) Alkane: S...	10.091	1.6	ug/L	56185	1	8.842	908300	25.0
(DEL) Alkane: C...	10.140	2.9	ug/L	106703	1	8.842	908300	25.0
(DEL) Alkane: S...	10.250	2.1	ug/L	221147	2	11.634	2648090	25.0
(DEL) Alkane: S...	10.841	5.9	ug/L	624922	2	11.634	2648090	25.0
(DEL) Alkane: C...	11.110	2.1	ug/L	220175	2	11.634	2648090	25.0
Cyclohexanecarb...	11.219	2.3	ug/L	244980	2	11.634	2648090	25.0
(DEL) Alkane: S...	11.274	3.8	ug/L	401501	2	11.634	2648090	25.0
(DEL) Alkane: C...	11.402	7.1	ug/L	751853	2	11.634	2648090	25.0
(DEL) Alkane: C...	11.457	1.9	ug/L	202882	2	11.634	2648090	25.0
(DEL) Alkane: S...	11.518	1.8	ug/L	187564	2	11.634	2648090	25.0
(DEL) Alkane: C...	12.335	2.0	ug/L	207020	2	11.634	2648090	25.0
(DEL) Alkane: S...	12.371	3.5	ug/L	373406	2	11.634	2648090	25.0
unknown-01	12.518	2.5	ug/L	264058	2	11.634	2648090	25.0
unknown-02	12.780	3.3	ug/L	109227	3	13.554	820343	25.0
(DEL) Alkane: C...	12.859	5.0	ug/L	162762	3	13.554	820343	25.0
(DEL) Alkane: S...	12.926	21.1	ug/L	692009	3	13.554	820343	25.0
Cyclohexanemeth...	12.993	3.0	ug/L	96925	3	13.554	820343	25.0
unknown-03	13.060	3.7	ug/L	121312	3	13.554	820343	25.0
(DEL) Alkane: S...	13.127	14.5	ug/L	477129	3	13.554	820343	25.0
(DEL) Alkane: S...	13.170	21.3	ug/L	699977	3	13.554	820343	25.0
(DEL) Alkane: C...	13.262	6.1	ug/L	201568	3	13.554	820343	25.0
Isobutyl octan-...	13.298	6.7	ug/L	218882	3	13.554	820343	25.0
unknown-04	13.377	1.9	ug/L	60560	3	13.554	820343	25.0
(DEL) Alkane: S...	13.408	3.6	ug/L	117595	3	13.554	820343	25.0
1-Heptanol, 2,4...	13.768	46.4	ug/L	1521460	3	13.554	820343	25.0
Heptyl isobutyl...	13.908	123.7	ug/L	4060380	3	13.554	820343	25.0
2-Azido-2,4,4,6...	13.975	28.2	ug/L	926584	3	13.554	820343	25.0
unknown-05	14.066	11.0	ug/L	359820	3	13.554	820343	25.0
Decane, 1-fluoro-	14.127	22.5	ug/L	739456	3	13.554	820343	25.0
(DEL) Alkane: S...	14.158	66.8	ug/L	2191590	3	13.554	820343	25.0
(DEL) Alkane: S...	14.310	14.7	ug/L	483264	3	13.554	820343	25.0
(DEL) Alkane: S...	14.341	22.4	ug/L	735209	3	13.554	820343	25.0
(DEL) Alkane: C...	14.389	34.6	ug/L	1136860	3	13.554	820343	25.0
(DEL) Alkane: S...	14.426	30.9	ug/L	1012470	3	13.554	820343	25.0
(DEL) Alkane: S...	14.493	15.6	ug/L	512063	3	13.554	820343	25.0
(DEL) Alkane: S...	14.646	70.6	ug/L	2317540	3	13.554	820343	25.0
(DEL) Alkane: S...	14.725	38.5	ug/L	1261940	3	13.554	820343	25.0
(DEL) Alkane: S...	14.835	38.0	ug/L	1247550	3	13.554	820343	25.0
(DEL) Alkane: C...	14.969	18.1	ug/L	593616	3	13.554	820343	25.0
(DEL) Alkane: S...	15.243	25.8	ug/L	846543	3	13.554	820343	25.0
Bacchotricuneat...	15.322	23.2	ug/L	762124	3	13.554	820343	25.0
2H-Pyran-4-carb...	15.621	60.9	ug/L	1999620	3	13.554	820343	25.0
2-Ethylbutyl (E...	15.926	25.8	ug/L	845925	3	13.554	820343	25.0
(DEL) Alkane: C...	16.413	56.4	ug/L	1850730	3	13.554	820343	25.0