

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018853.D
 Acq On : 29 Apr 2021 18:18
 Operator : SY/VA
 Sample : M2192-02
 Misc : 4.14G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG596

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\SFAMWLM042921SMA.M
 Title : SFAM01.0

Signal : TIC: VW018853.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	36	41	51	rBV2	18308	48662	0.73%	0.132%
2	2.361	67	75	90	rVB	156764	336211	5.01%	0.909%
3	2.501	93	98	105	rBV2	9998	23896	0.36%	0.065%
4	2.892	155	162	178	rVB	127782	329947	4.92%	0.892%
5	2.995	178	179	181	rBV2	1802	1631	0.02%	0.004%
6	3.026	181	184	189	rVB7	2102	3832	0.06%	0.010%
7	3.117	197	199	200	rVB2	1193	667	0.01%	0.002%
8	3.239	216	219	222	rVB4	633	703	0.01%	0.002%
9	3.270	222	224	226	rVB	759	531	0.01%	0.001%
10	3.318	231	232	236	rVB2	893	735	0.01%	0.002%
11	3.391	238	244	251	rBV7	1821	4869	0.07%	0.013%
12	3.440	251	252	257	rVB4	741	696	0.01%	0.002%
13	3.489	257	260	263	rVB5	685	815	0.01%	0.002%
14	3.538	263	268	269	rBV4	777	1074	0.02%	0.003%
15	3.605	274	279	282	rBV7	782	1425	0.02%	0.004%
16	3.672	289	290	293	rBV3	688	828	0.01%	0.002%
17	3.696	293	294	297	rVB3	1195	601	0.01%	0.002%
18	3.751	301	303	307	rVB4	734	666	0.01%	0.002%
19	3.806	309	312	314	rBV3	436	566	0.01%	0.002%
20	3.922	328	331	335	rVB4	333	568	0.01%	0.002%
21	4.019	335	347	360	rBV2	283351	888740	13.24%	2.402%
22	4.135	360	366	376	rVB2	19252	57932	0.86%	0.157%
23	4.428	399	414	431	rBV3	10216	56773	0.85%	0.153%
24	4.757	465	468	471	rBV3	468	681	0.01%	0.002%
25	4.788	471	473	479	rVB5	1037	1449	0.02%	0.004%
26	4.922	482	495	513	rBV	72612	263989	3.93%	0.714%
27	5.044	513	515	518	rVB3	841	805	0.01%	0.002%
28	5.086	521	522	526	rVB3	463	487	0.01%	0.001%
29	5.190	535	539	540	rBV3	909	1236	0.02%	0.003%
30	5.428	573	578	581	rBV4	1399	2607	0.04%	0.007%
31	5.800	625	639	650	rBV3	4792	17071	0.25%	0.046%
32	5.940	650	662	674	rBV2	19939	63329	0.94%	0.171%
33	6.104	685	689	690	rBV3	595	549	0.01%	0.001%
34	6.269	713	716	719	rBV4	625	906	0.01%	0.002%
35	6.299	719	721	727	rVB3	1217	1562	0.02%	0.004%
36	6.373	730	733	735	rBV3	406	572	0.01%	0.002%

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37	6.434	741	743	747	rVB4	468	603	0.01%	0.002%
38	6.482	747	751	752	rBV2	678	645	0.01%	0.002%
39	6.556	761	763	765	rBV2	559	514	0.01%	0.001%
40	6.604	768	771	773	rVV4	516	604	0.01%	0.002%
41	6.684	782	784	786	rBV3	637	699	0.01%	0.002%
42	6.714	786	789	792	rVV5	1047	1162	0.02%	0.003%
43	6.775	796	799	801	rVB4	412	487	0.01%	0.001%
44	6.793	801	802	805	rBV3	538	641	0.01%	0.002%
45	6.909	813	821	826	rBV7	4220	11898	0.18%	0.032%
46	6.982	829	833	835	rVV5	1146	1380	0.02%	0.004%
47	7.007	835	837	840	rVB4	1557	1394	0.02%	0.004%
48	7.086	840	850	854	rBV	66215	175297	2.61%	0.474%
49	7.141	855	859	874	rVB2	50587	158767	2.37%	0.429%
50	7.403	898	902	903	rBV4	992	1335	0.02%	0.004%
51	7.421	903	905	908	rVB4	1061	1051	0.02%	0.003%
52	7.653	931	943	956	rBV	423100	1038726	15.48%	2.808%
53	7.854	972	976	977	rBV3	1302	1818	0.03%	0.005%
54	7.891	980	982	983	rBV2	1491	1467	0.02%	0.004%
55	7.909	983	985	986	rBV2	1197	883	0.01%	0.002%
56	7.939	986	990	991	rBV4	3902	5099	0.08%	0.014%
57	8.153	1023	1025	1027	rBV3	1834	2050	0.03%	0.006%
58	8.275	1034	1045	1060	rBV2	851567	2585166	38.53%	6.988%
59	8.842	1130	1138	1149	rBV	778465	1558539	23.23%	4.213%
60	9.049	1168	1172	1175	rBV5	7058	13014	0.19%	0.035%
61	9.275	1201	1209	1216	rBV	552453	1136181	16.93%	3.071%
62	9.848	1300	1303	1308	rBV5	16002	32086	0.48%	0.087%
63	10.037	1328	1334	1341	rBV	289223	528963	7.88%	1.430%
64	10.323	1375	1381	1389	rBV	1174253	2066161	30.79%	5.585%
65	10.579	1417	1423	1430	rBV	187211	338376	5.04%	0.915%
66	10.707	1440	1444	1449	rVB	79462	126799	1.89%	0.343%
67	10.927	1475	1480	1488	rVB	270078	449799	6.70%	1.216%
68	11.067	1499	1503	1506	rBV	44739	63056	0.94%	0.170%
69	11.439	1560	1564	1569	rBV4	113066	273220	4.07%	0.739%
70	11.634	1590	1596	1606	rVB	962275	1724863	25.71%	4.663%
71	12.359	1708	1715	1720	rBV2	113663	258664	3.85%	0.699%
72	12.463	1728	1732	1737	rVB	209920	348684	5.20%	0.943%
73	12.609	1752	1756	1762	rBV2	108863	207415	3.09%	0.561%
74	12.695	1765	1770	1777	rVB	412206	693186	10.33%	1.874%
75	12.780	1781	1784	1791	rVB3	86889	134425	2.00%	0.363%
76	12.865	1793	1798	1800	rBV4	110203	213701	3.18%	0.578%

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77	12.902	1801	1804	1808	rVB	116591	168122	2.51%	0.454%
78	13.103	1832	1837	1844	rVB	515710	856785	12.77%	2.316%
79	13.164	1845	1847	1848	rBV2	45533	40008	0.60%	0.108%
80	13.298	1865	1869	1872	rBV5	171706	335459	5.00%	0.907%
81	13.560	1906	1912	1921	rVB2	761638	1445668	21.54%	3.908%
82	13.755	1940	1944	1954	rVB2	636954	1195493	17.82%	3.232%
83	13.853	1955	1960	1969	rBV	731397	1500736	22.36%	4.057%
84	14.091	1996	1999	2004	rVB	382087	558277	8.32%	1.509%
85	14.207	2011	2018	2022	rBV	554697	1080256	16.10%	2.920%
86	14.383	2044	2047	2050	rBV3	123818	183904	2.74%	0.497%
87	14.414	2050	2052	2056	rVB	193554	244369	3.64%	0.661%
88	14.499	2062	2066	2069	rBV	157843	240714	3.59%	0.651%
89	14.566	2071	2077	2081	rVB2	230985	533670	7.95%	1.443%
90	14.731	2101	2104	2108	rBV3	121762	157647	2.35%	0.426%
91	14.792	2109	2114	2119	rBV3	427738	933632	13.91%	2.524%
92	14.950	2137	2140	2152	rVB8	322051	792979	11.82%	2.144%
93	15.060	2152	2158	2164	rBV2	639801	1314523	19.59%	3.553%
94	15.176	2173	2177	2183	rVB3	190788	391606	5.84%	1.059%
95	15.322	2198	2201	2209	rBV8	131369	270220	4.03%	0.730%
96	15.469	2222	2225	2230	rVB	165417	215077	3.21%	0.581%
97	15.651	2248	2255	2261	rBV7	197084	582613	8.68%	1.575%
98	15.731	2264	2268	2275	rVB5	268272	557722	8.31%	1.508%
99	16.432	2380	2383	2395	rVB4	177445	408006	6.08%	1.103%
100	16.639	2409	2417	2428	rVB	2954859	6710211	100.00%	18.139%

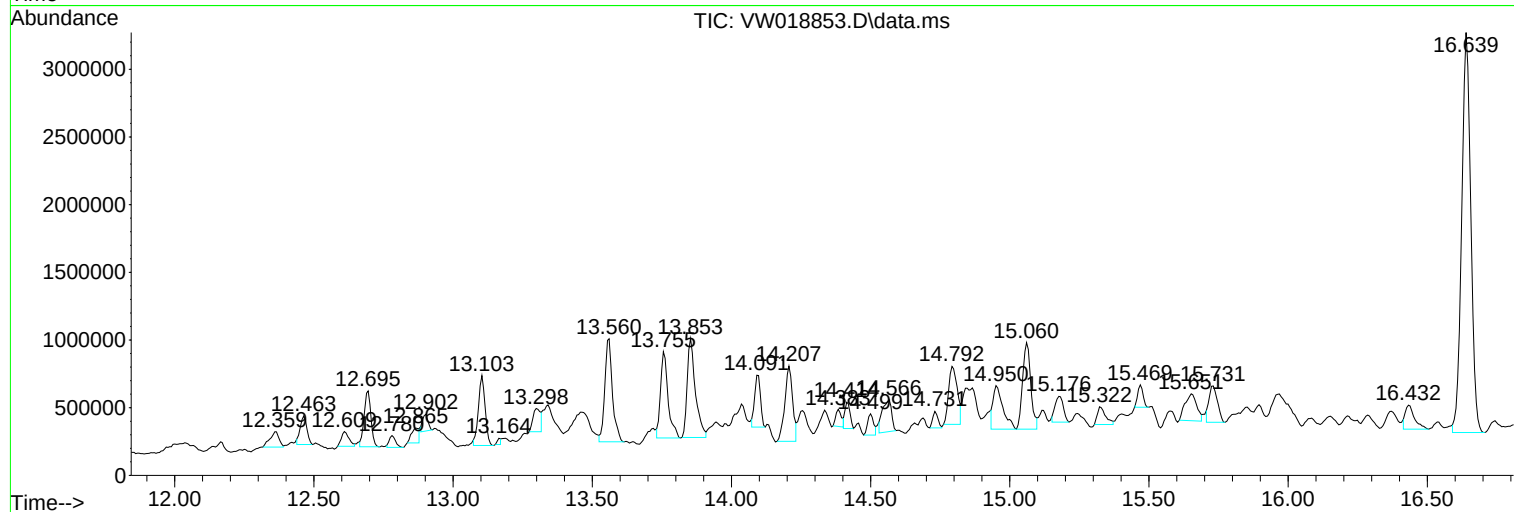
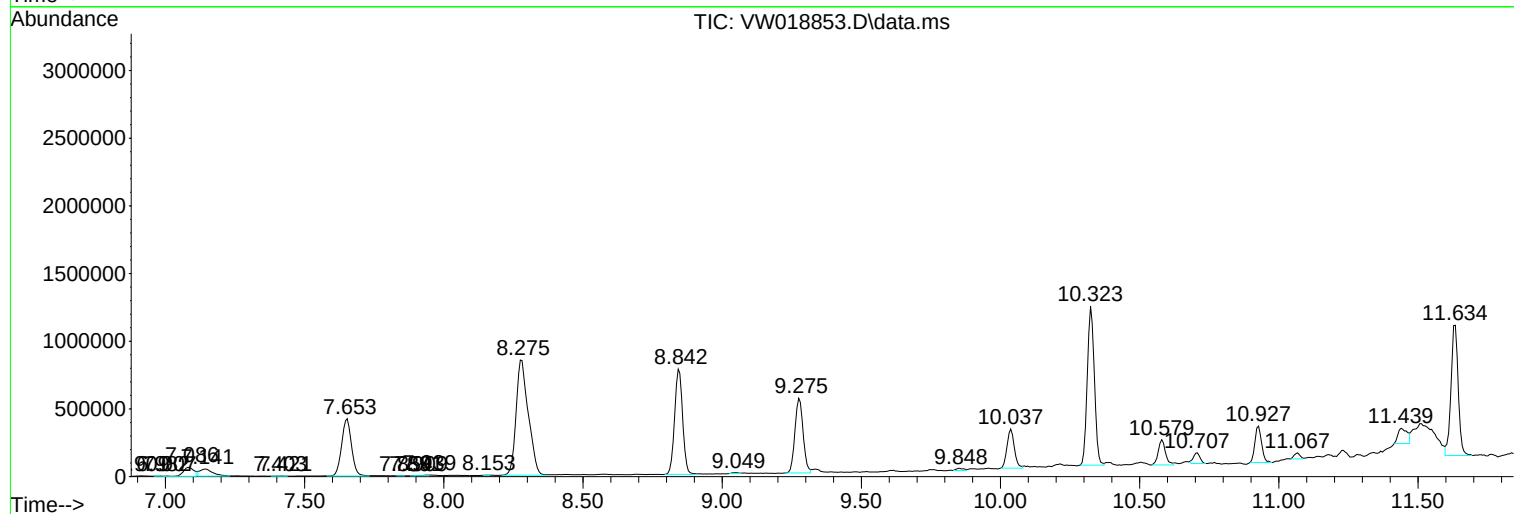
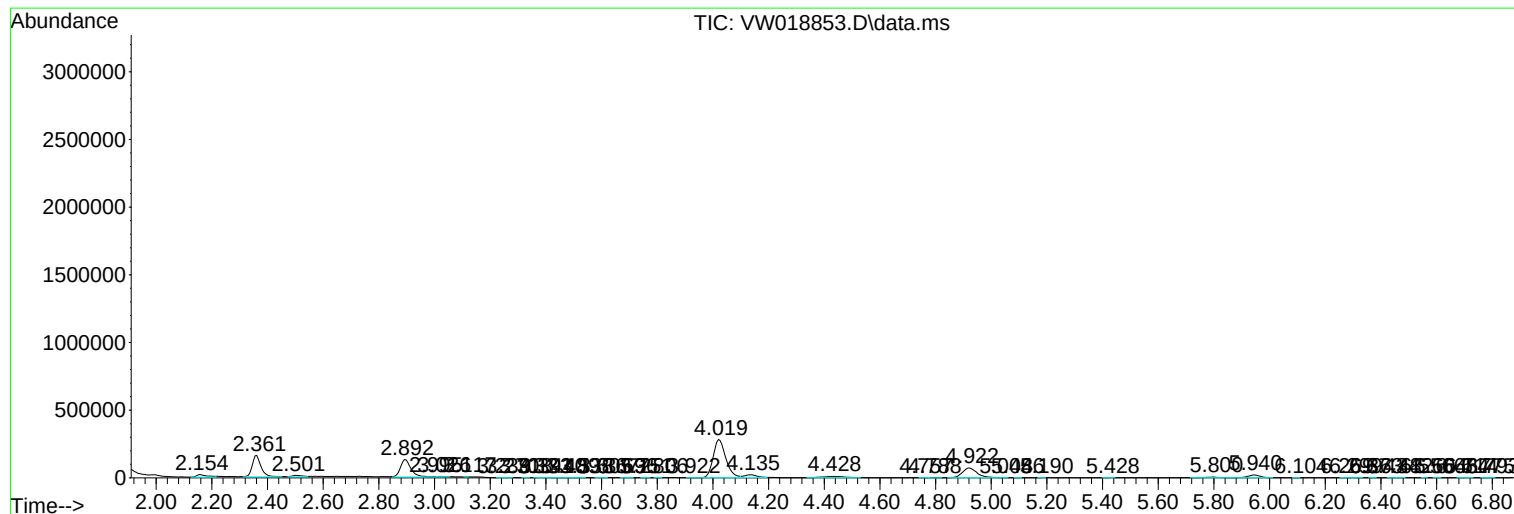
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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



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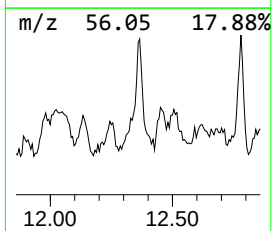
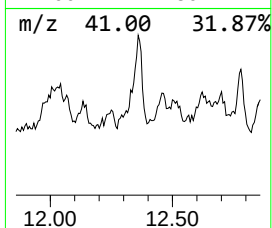
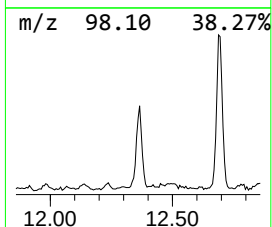
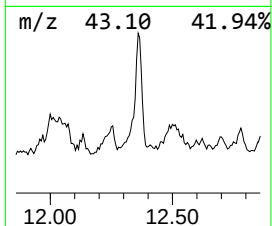
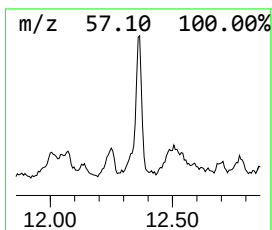
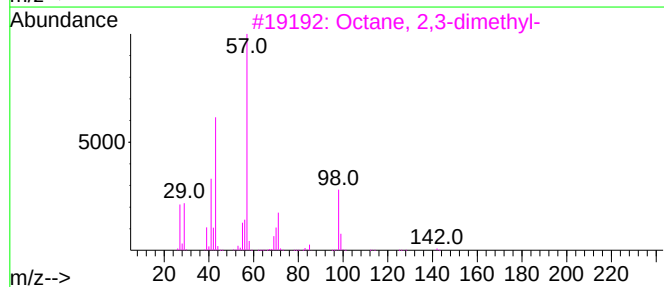
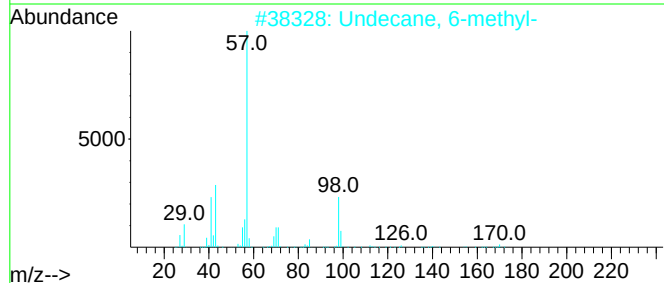
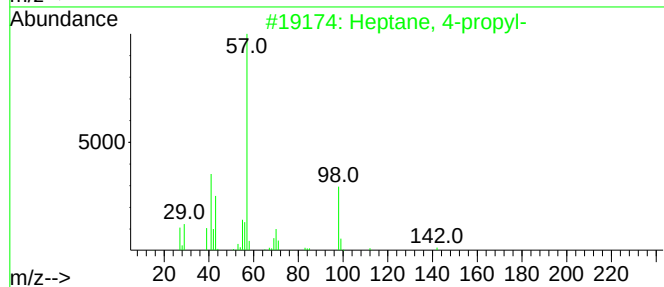
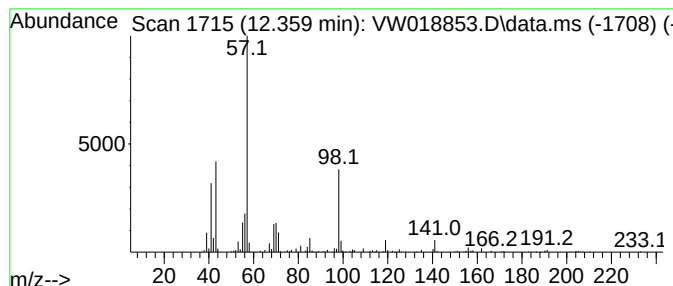
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	3.75 ug/L	258664	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-propyl-	142	C10H22	003178-29-8	64
2		Undecane, 6-methyl-	170	C12H26	017302-33-9	59
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	47
5		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	47



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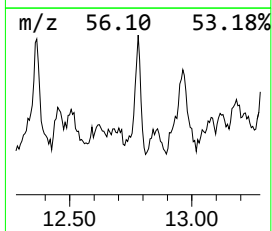
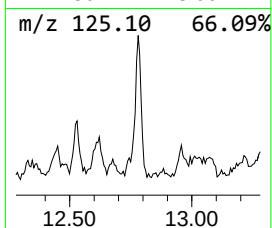
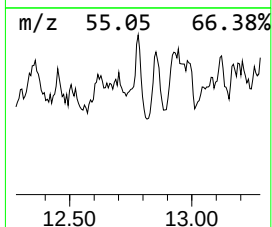
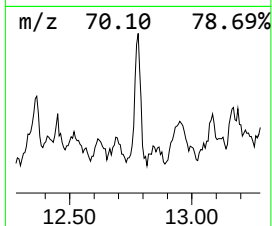
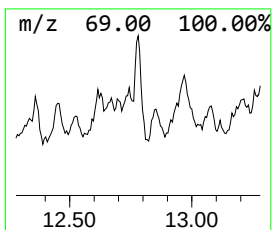
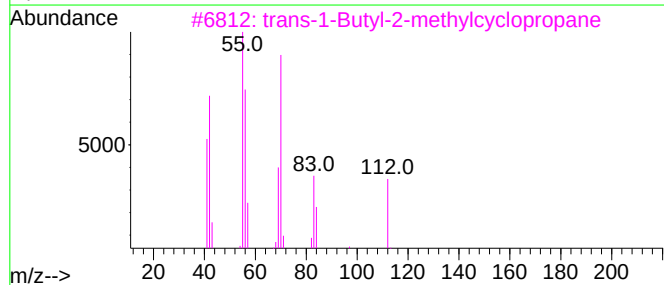
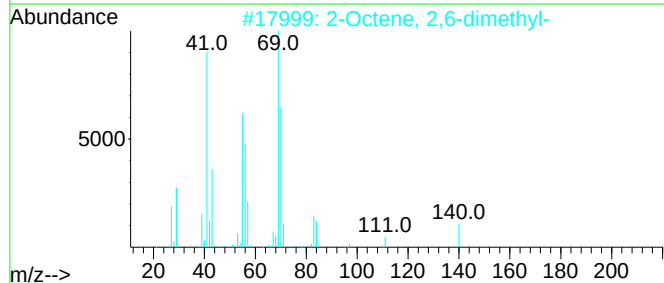
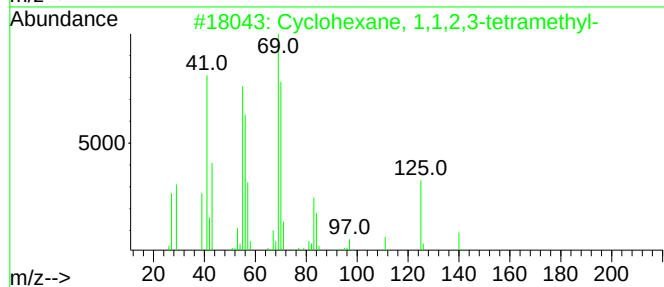
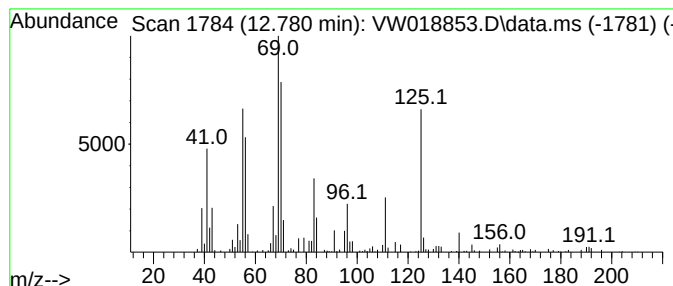
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic12.780 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	2.32 ug/L	134425	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	42
4			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
5			3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	38



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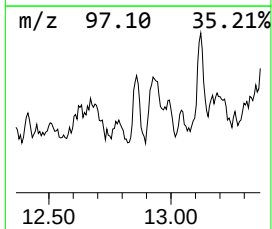
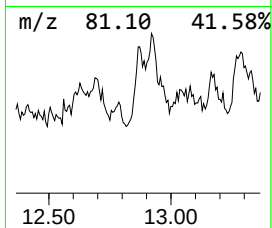
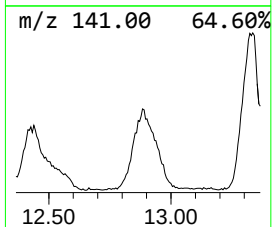
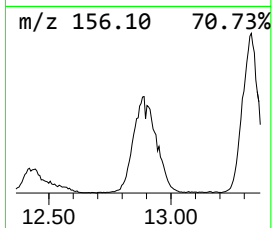
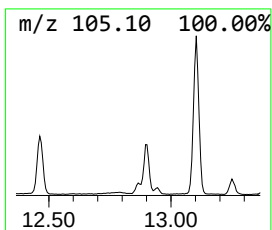
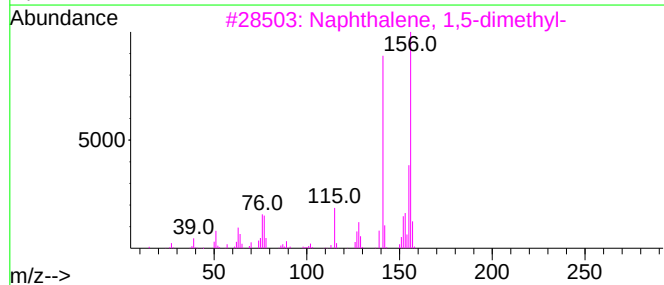
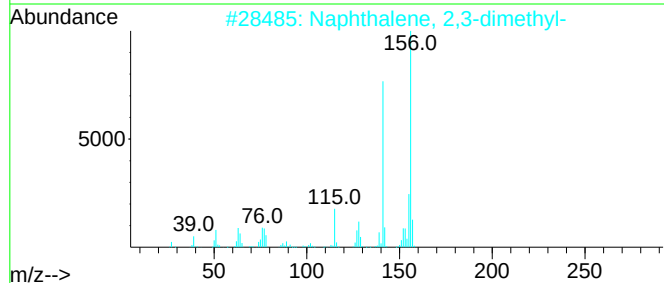
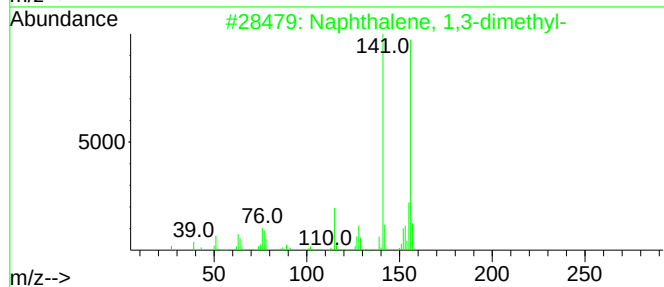
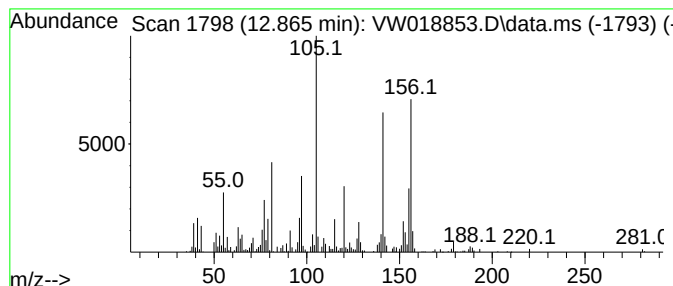
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	3.70 ug/L	213701	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	92



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

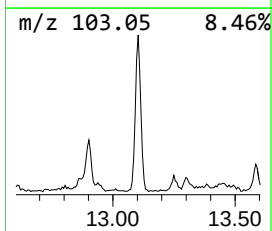
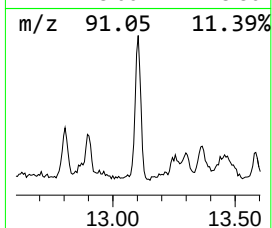
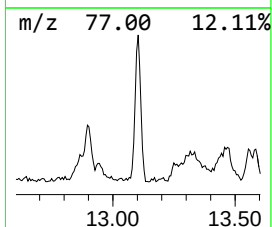
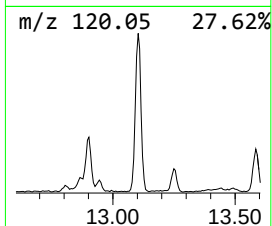
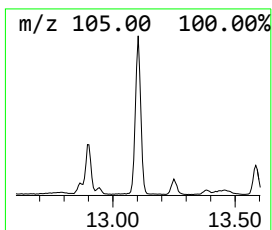
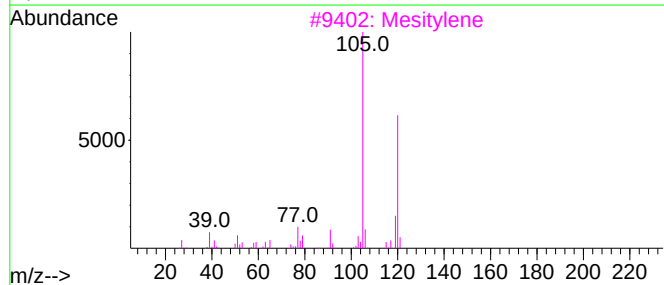
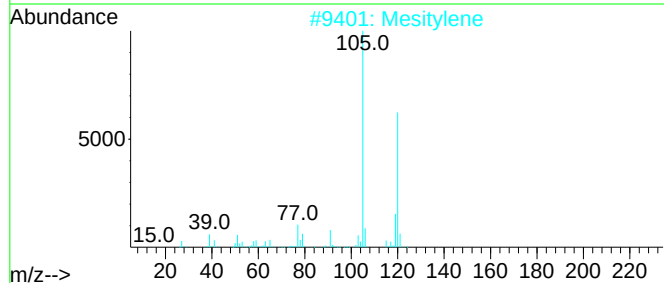
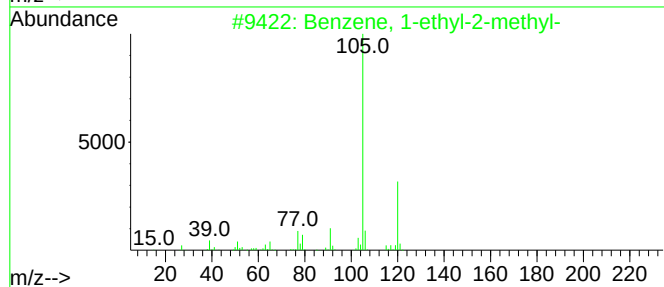
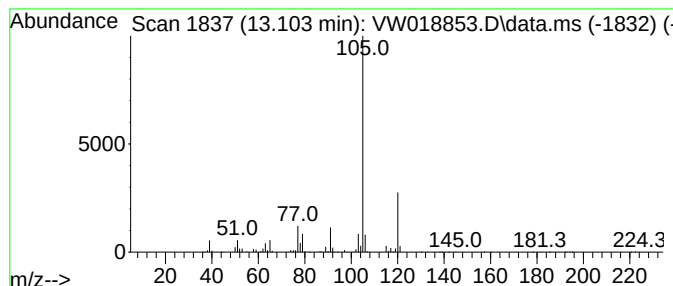
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Quant Title : SFAM01.0

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

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	14.82 ug/L	856785	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Mesitylene	120	C9H12	000108-67-8	91
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

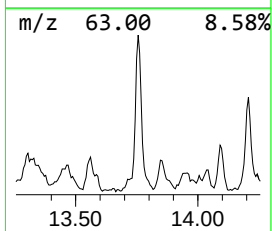
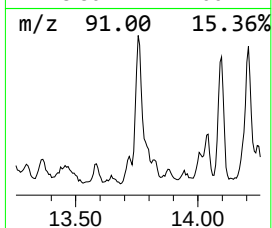
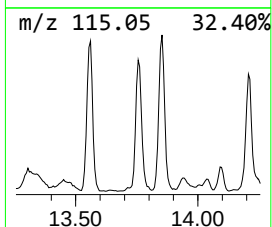
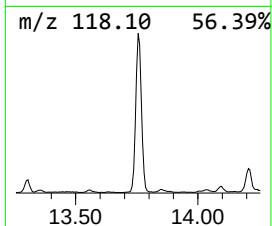
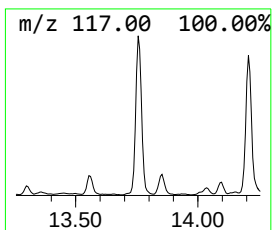
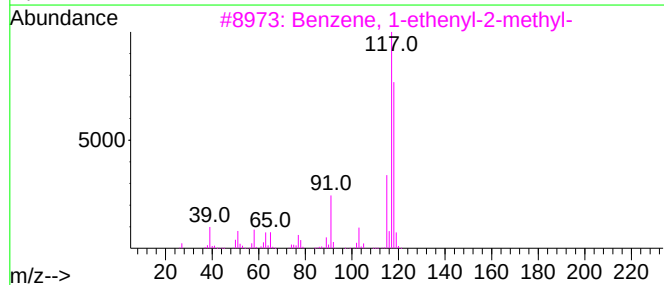
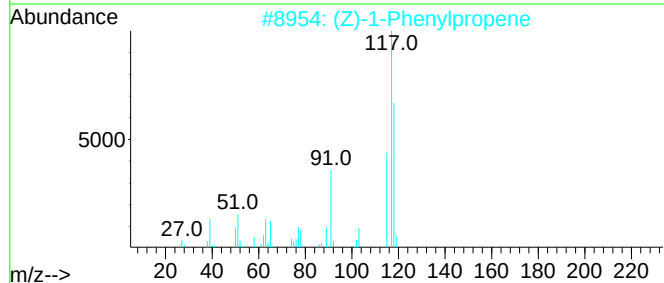
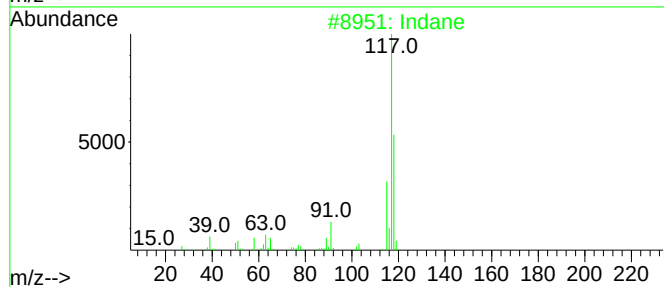
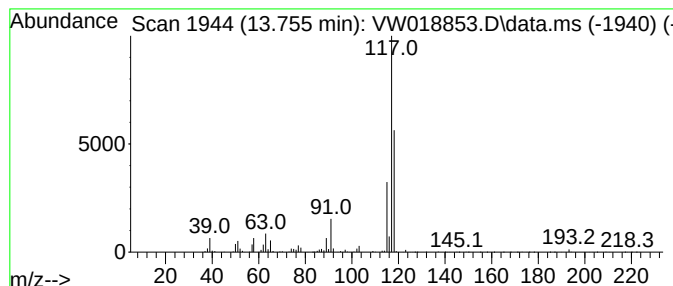
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Quant Title : SFAM01.0

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

Peak Number 9 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.756	20.67 ug/L	1195490	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	81
2			(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

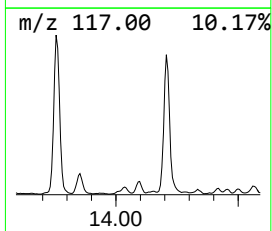
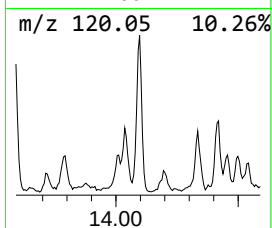
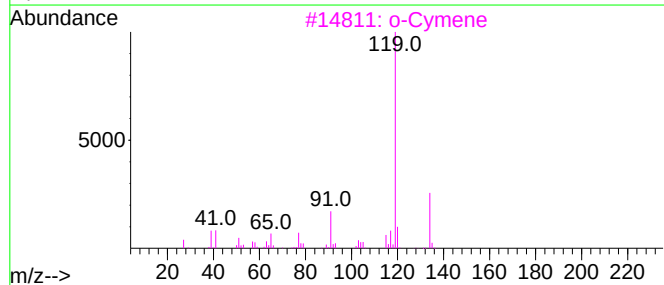
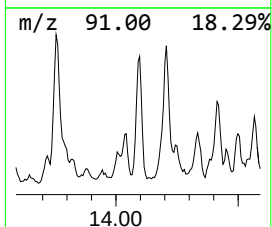
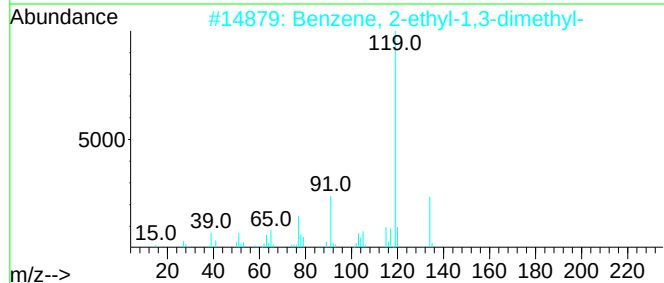
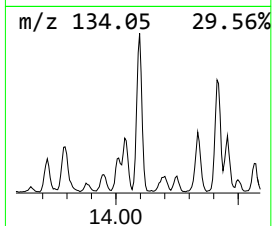
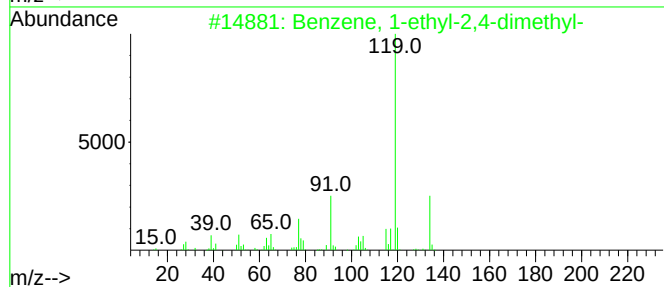
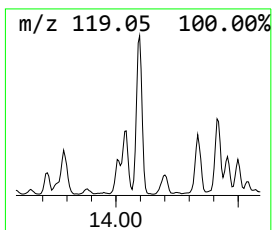
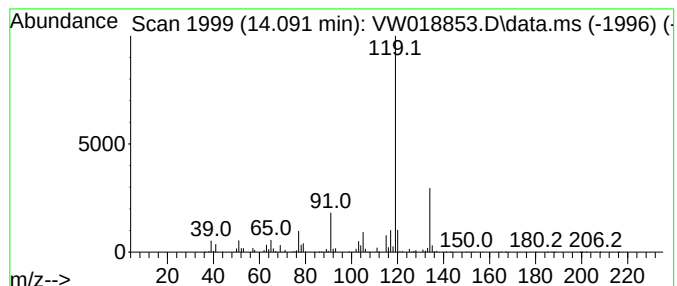
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Quant Title : SFAM01.0

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

Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	9.65 ug/L	558277	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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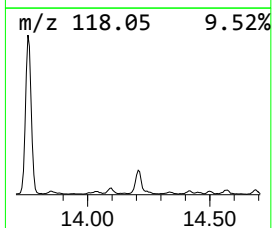
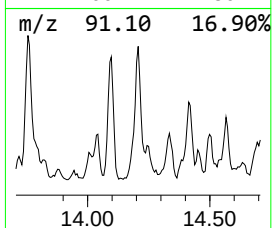
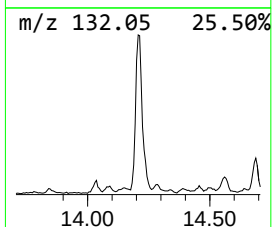
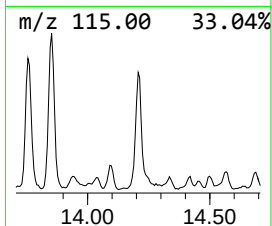
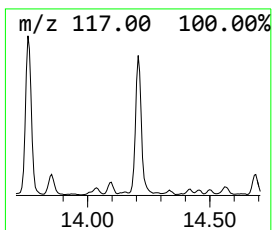
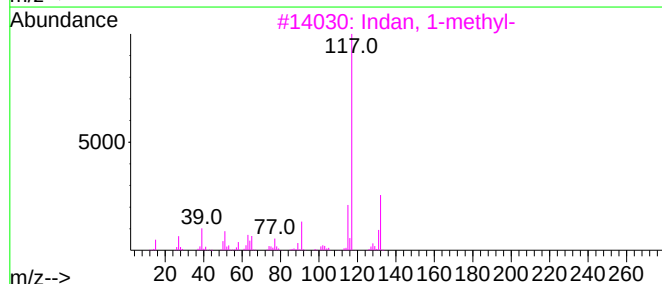
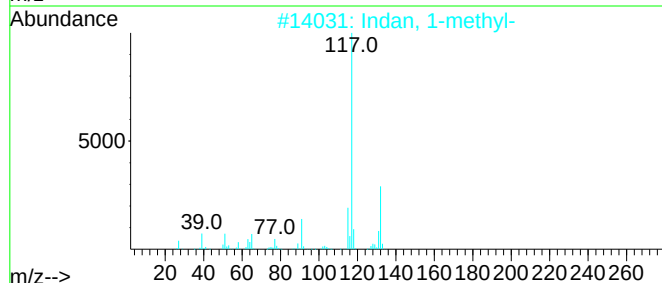
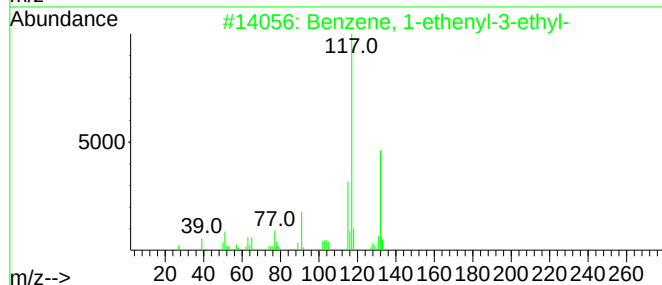
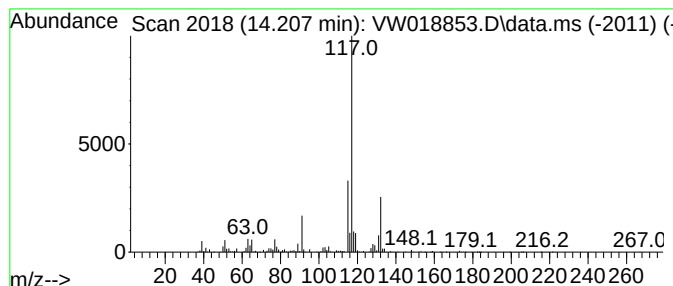
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Quant Title : SFAM01.0

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

Peak Number 11 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	18.68 ug/L	1080260	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2			Indan, 1-methyl-	132	C10H12	000767-58-8	87
3			Indan, 1-methyl-	132	C10H12	000767-58-8	83
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

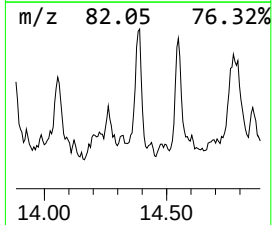
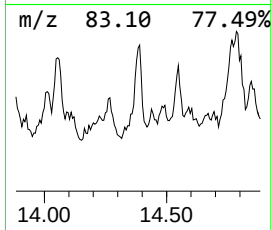
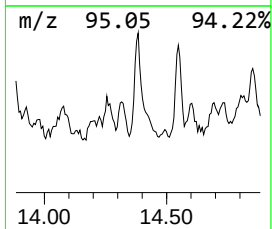
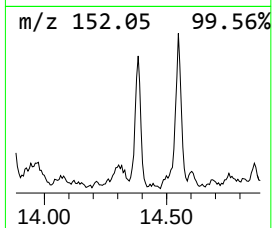
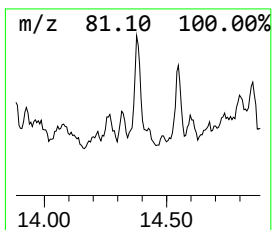
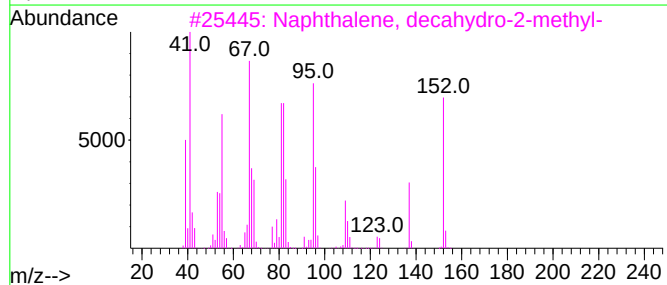
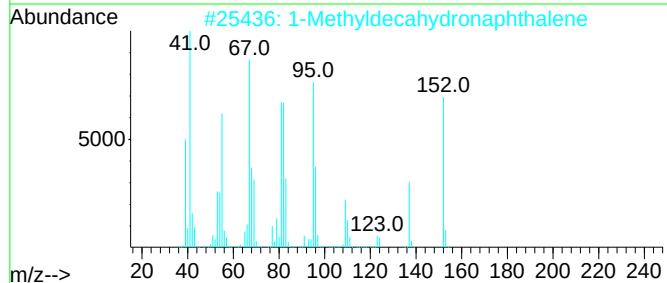
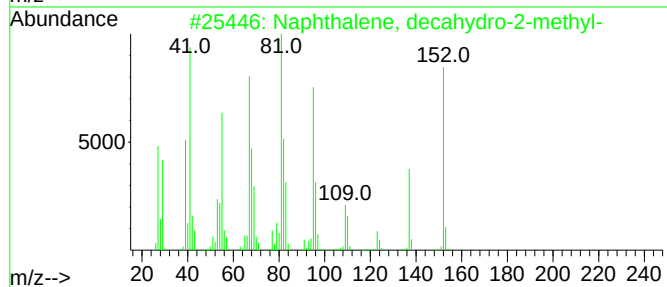
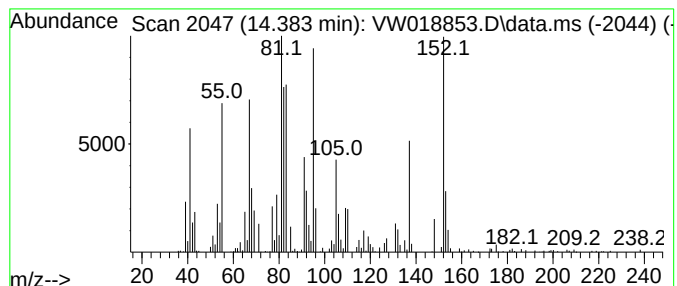
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 Naphthalene, decahydro-2-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.383	3.18 ug/L	183904	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	59
2	1-Methyldecahydronaphthalene		152	C11H20	002958-75-0	53
3	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	53
4	Decalin, syn-1-methyl-, cis-		152	C11H20	1000158-89-1	52
5	Cyclohexanone, 5-methyl-2-(1-met...		152	C10H16O	015932-80-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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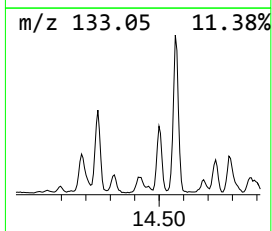
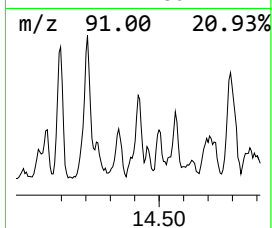
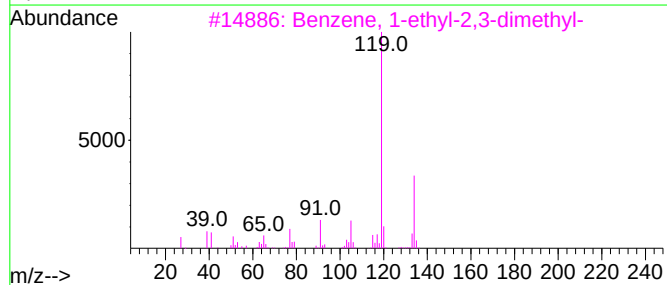
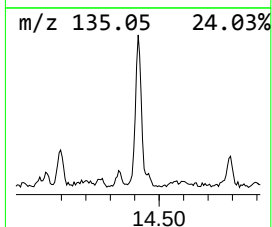
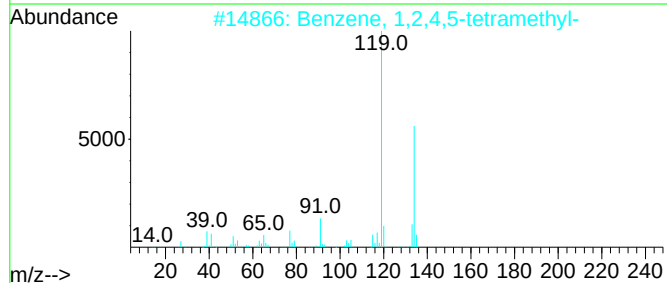
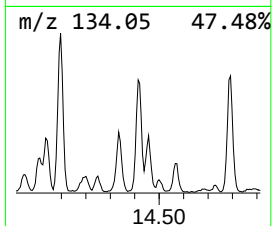
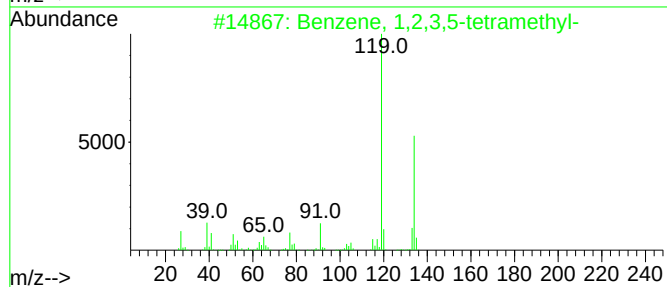
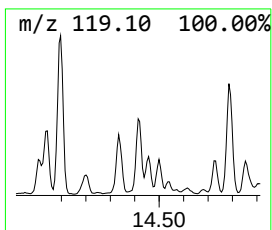
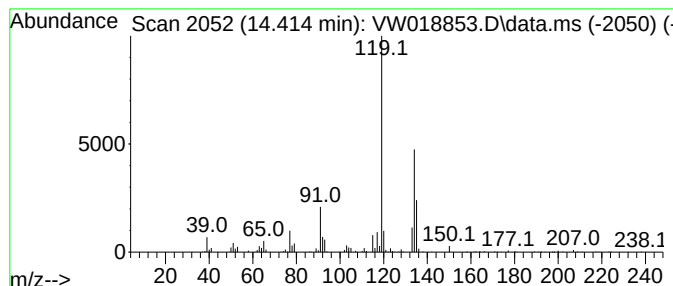
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Quant Title : SFAM01.0

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

Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	4.23 ug/L	244369	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

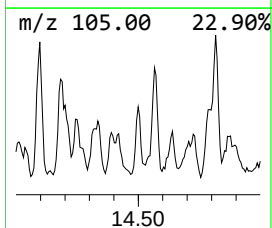
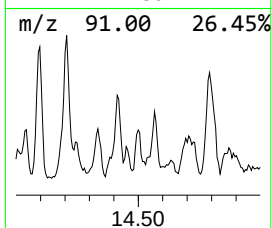
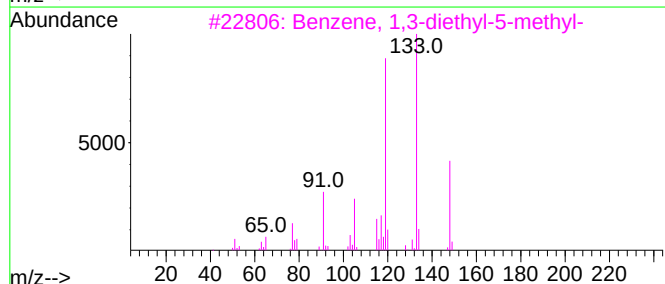
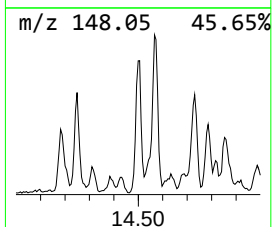
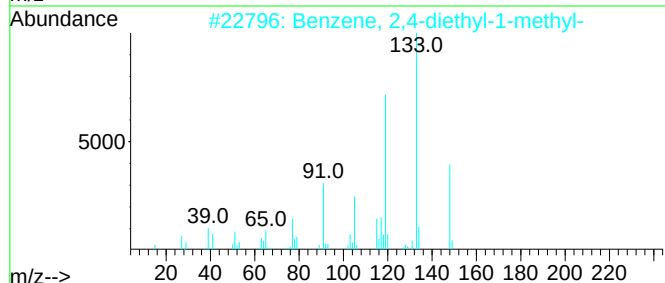
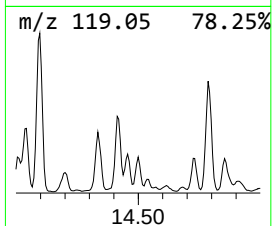
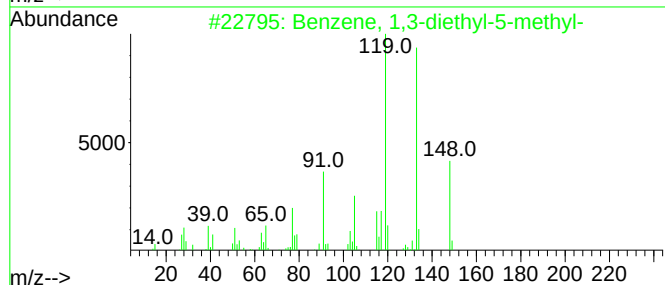
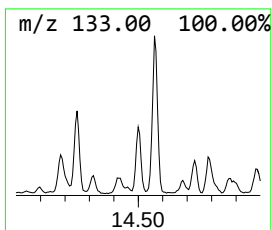
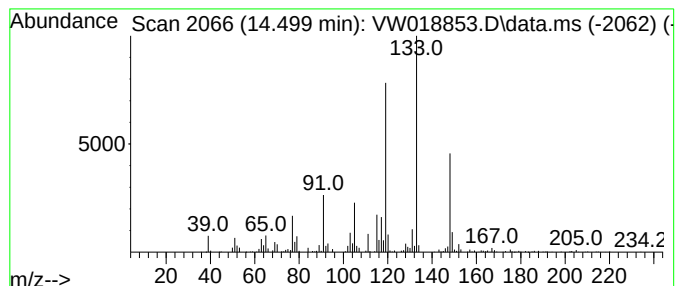
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Quant Title : SFAM01.0

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

Peak Number 14 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	4.16 ug/L	240714	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

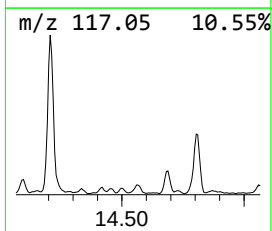
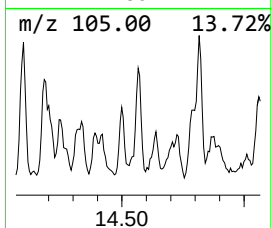
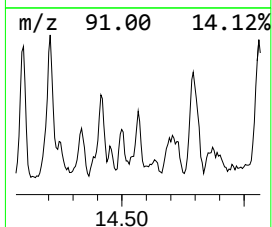
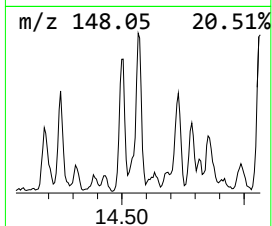
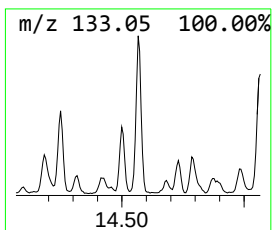
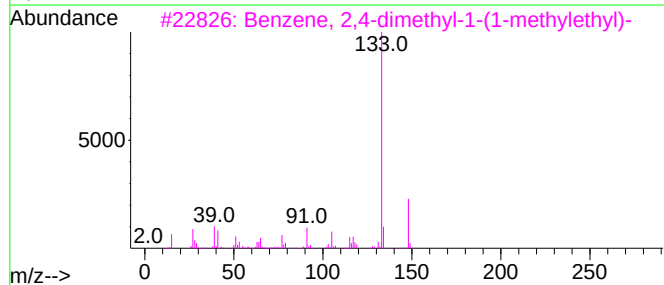
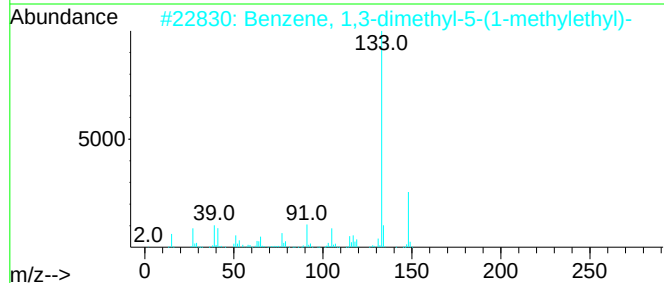
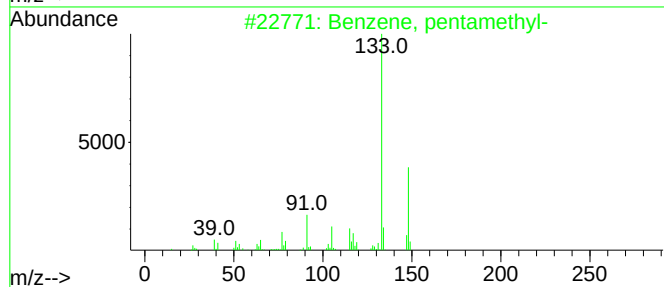
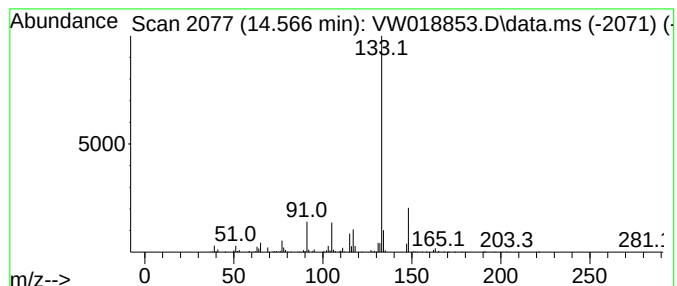
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Quant Title : SFAM01.0

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

Peak Number 15 Benzene, pentamethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.566	9.23 ug/L	533670	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	90
2			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
3			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
4			Benzene, pentamethyl-	148	C11H16	000700-12-9	80
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

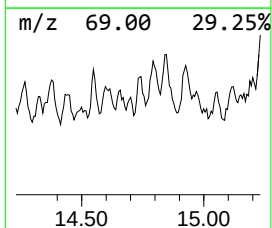
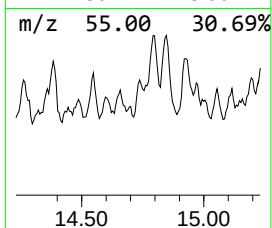
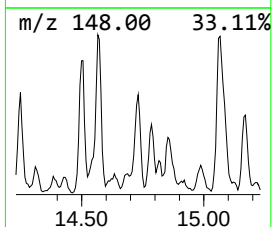
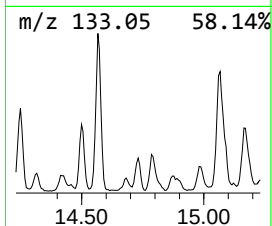
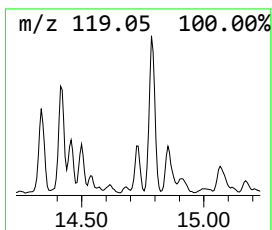
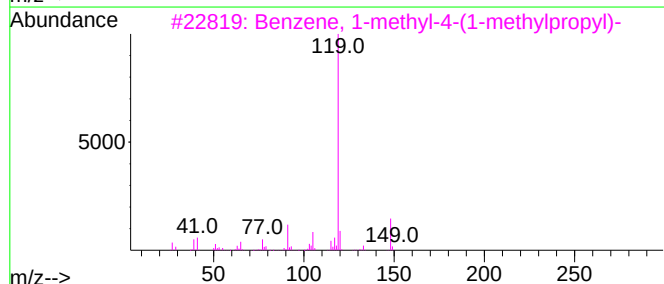
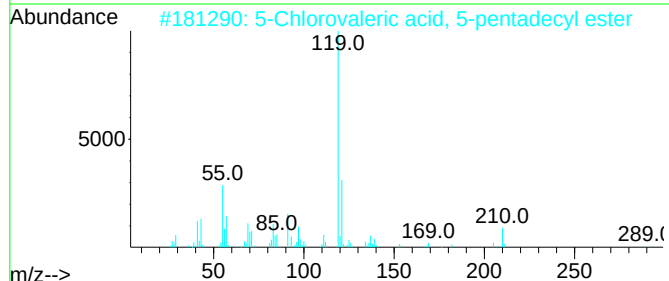
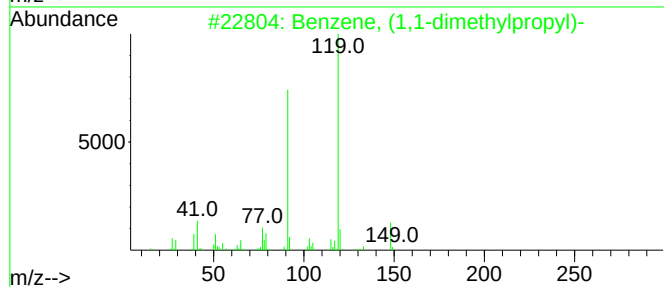
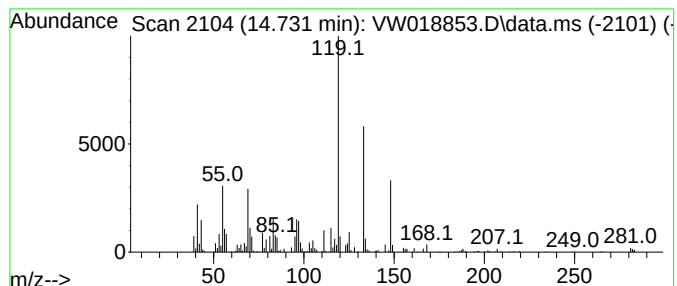
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Quant Title : SFAM01.0

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

Peak Number 16 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	2.73 ug/L	157647	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
2		5-Chlorovaleric acid, 5-pentadec...	346	C20H39ClO2	1000299-92-3	43
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
4		5-Chlorovaleric acid, 3-tridecyl...	318	C18H35ClO2	1000299-91-3	43
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

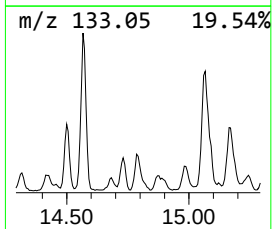
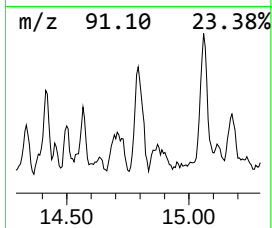
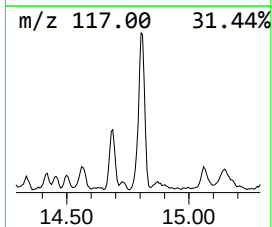
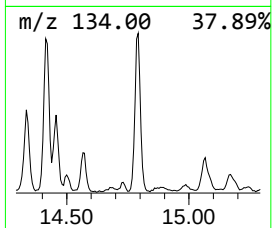
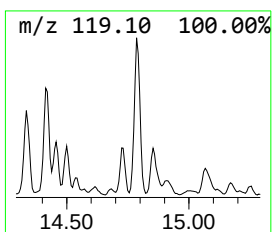
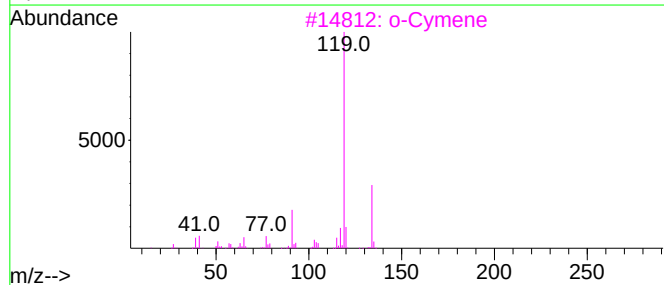
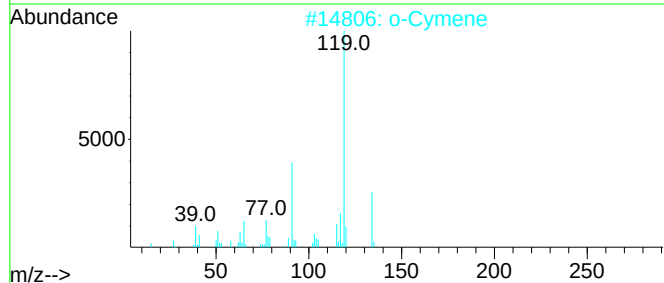
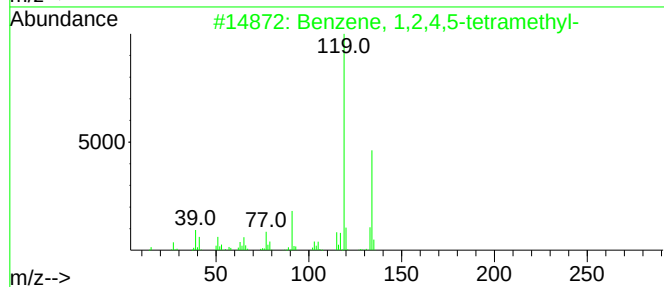
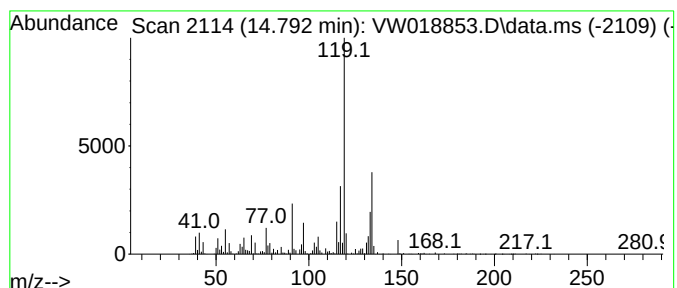
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Quant Title : SFAM01.0

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

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	16.15 ug/L	933632	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2		o-Cymene	134	C10H14	000527-84-4	70
3		o-Cymene	134	C10H14	000527-84-4	70
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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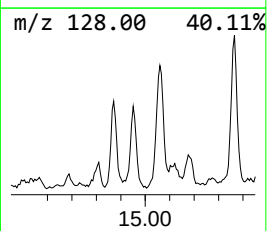
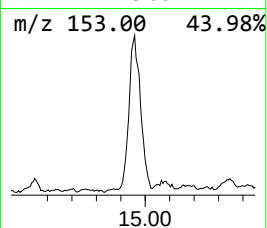
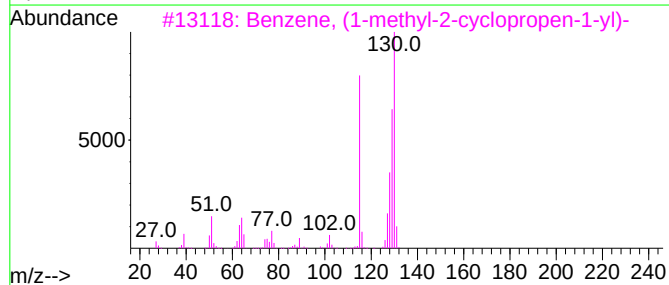
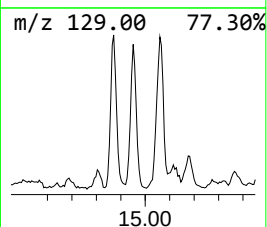
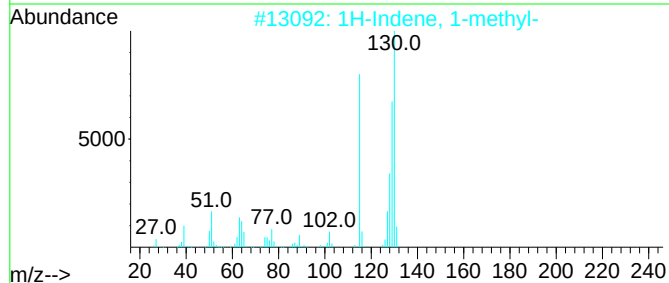
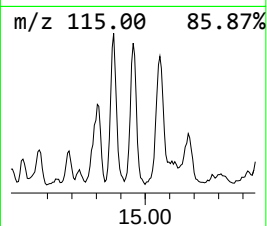
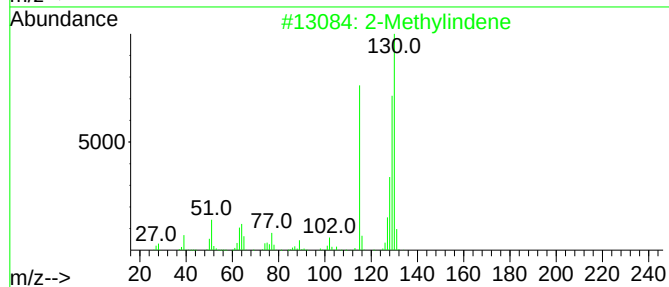
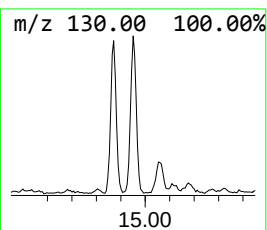
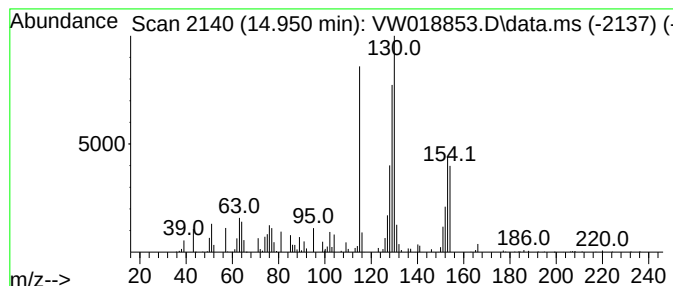
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Quant Title : SFAM01.0

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

Peak Number 18 2-Methylindene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	13.71 ug/L	792979	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methylindene	130	C10H10	002177-47-1	95
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	95
4		Cycloprop[a]indene, 1,1a,6,6a-tetrahydro-	130	C10H10	015677-15-3	92
5		Benzene, 1-butylnyl-	130	C10H10	000622-76-4	92



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

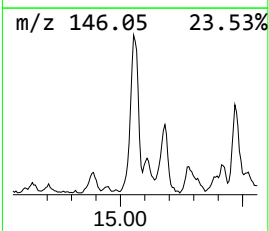
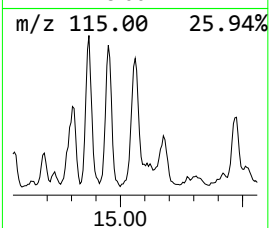
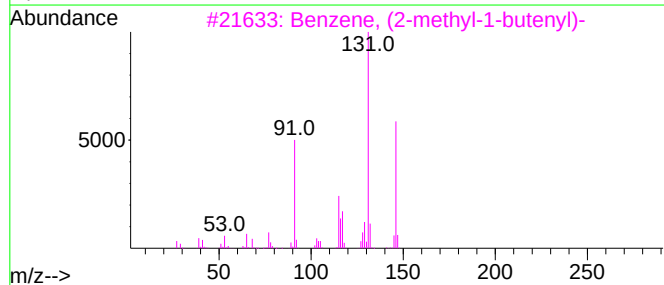
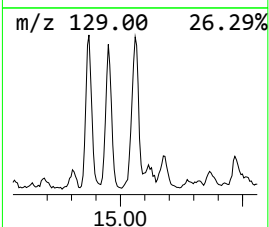
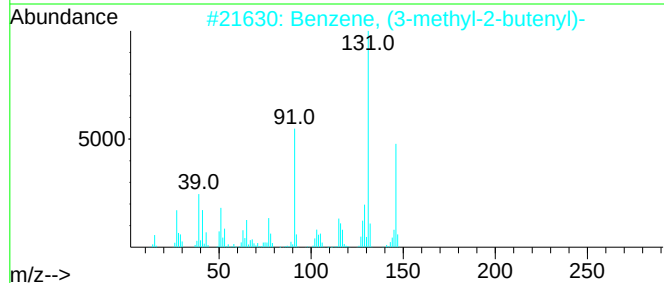
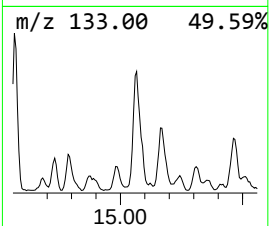
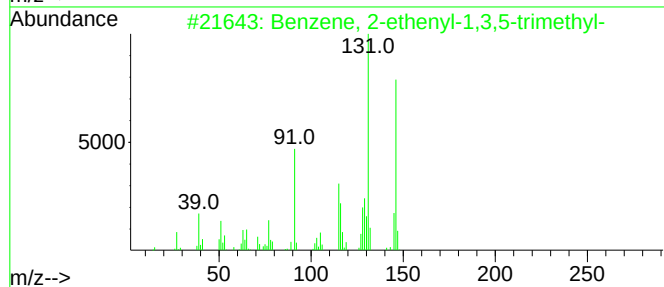
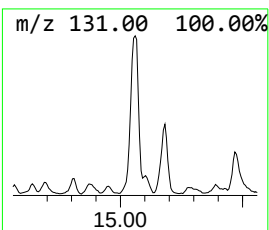
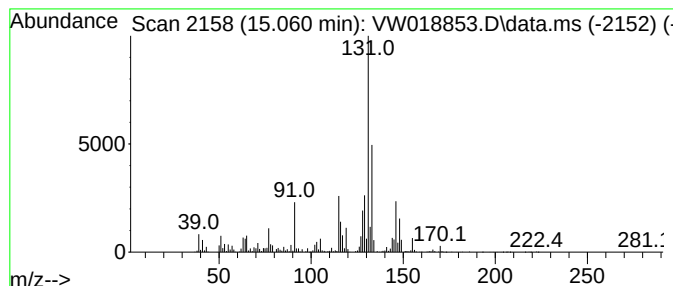
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Quant Title : SFAM01.0

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

Peak Number 19 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	22.73 ug/L	1314520	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

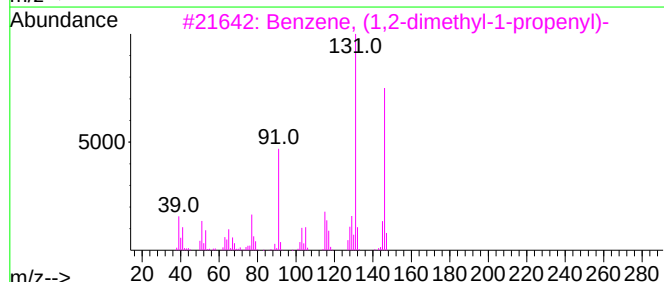
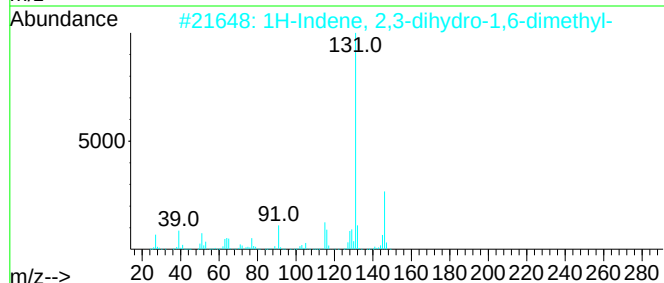
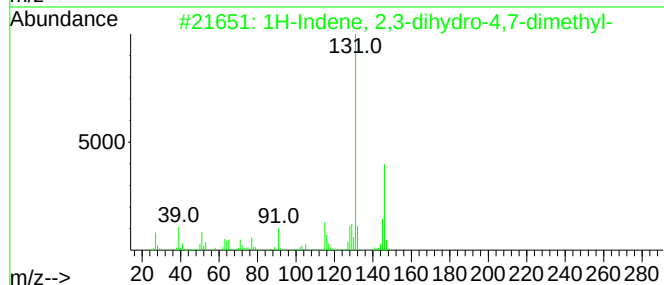
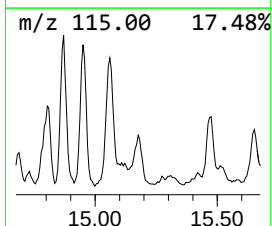
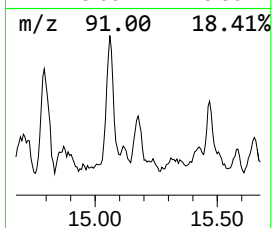
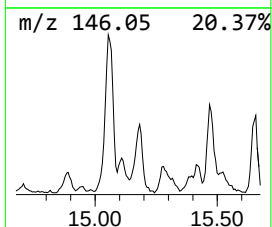
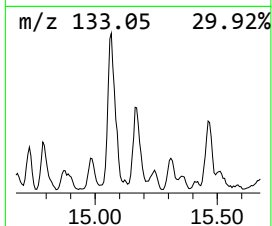
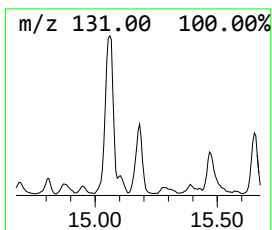
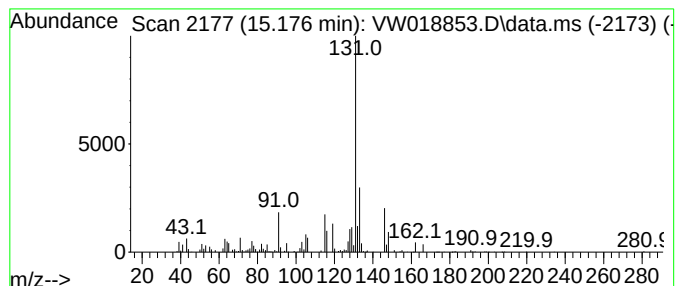
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Quant Title : SFAM01.0

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

Peak Number 20 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	6.77 ug/L	391606	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

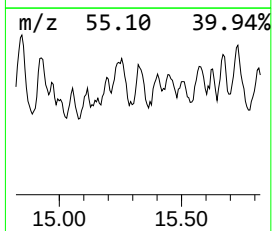
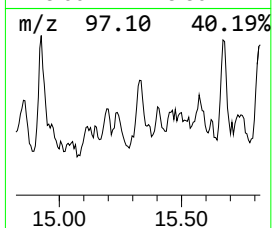
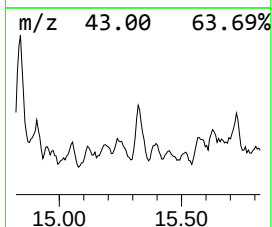
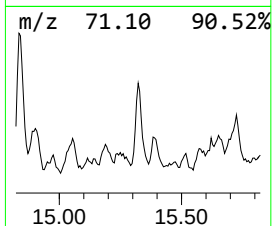
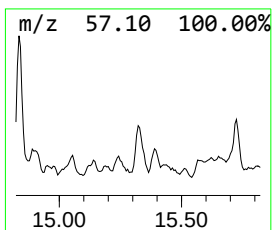
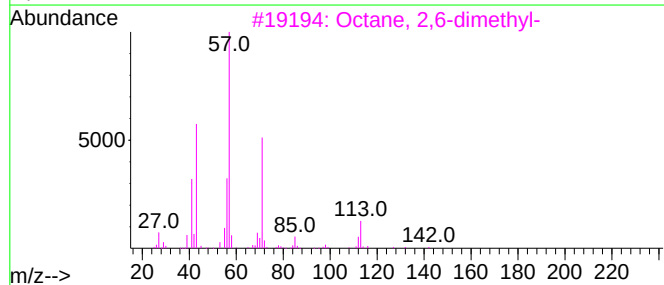
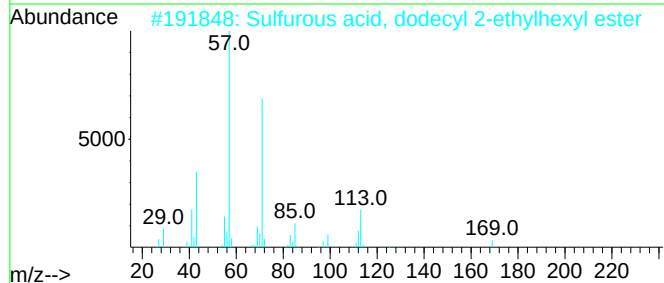
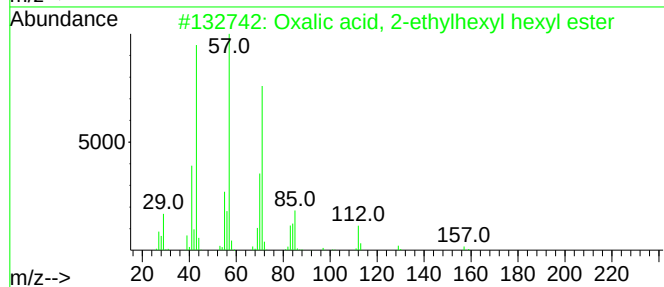
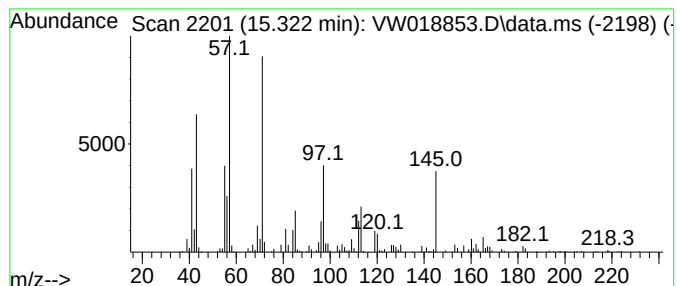
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	4.67 ug/L	270220	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	47
2			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	47
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
4			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	46
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

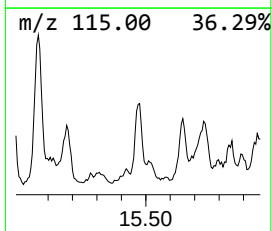
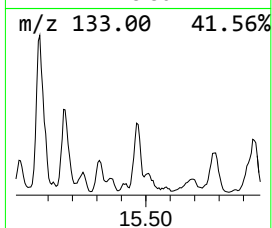
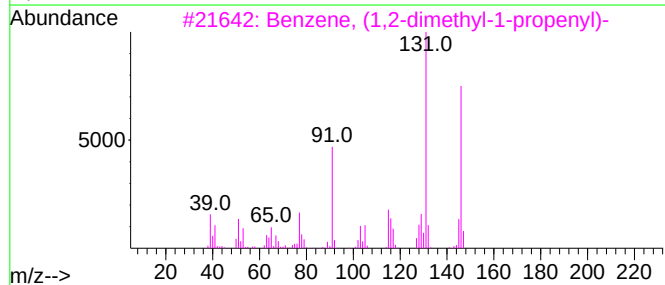
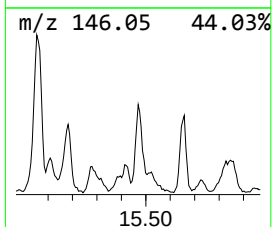
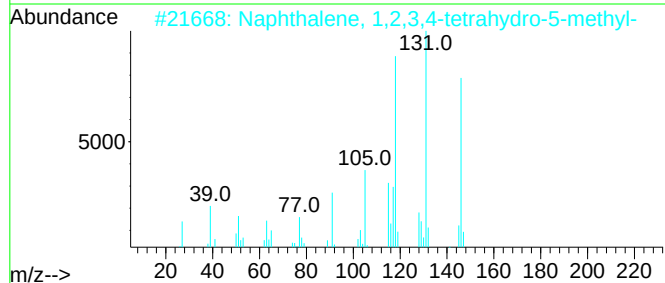
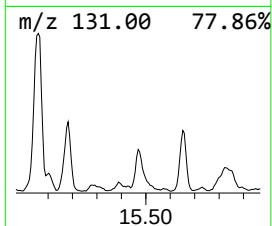
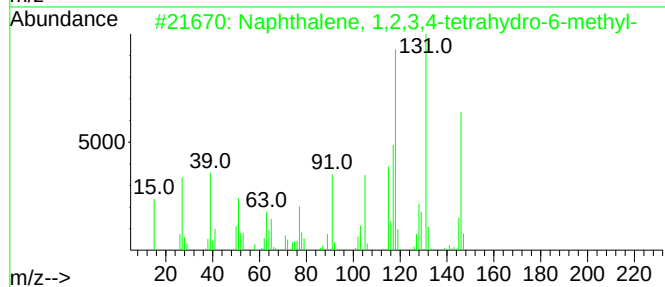
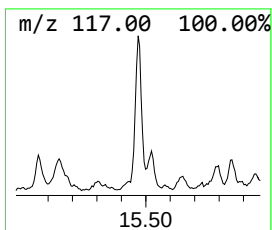
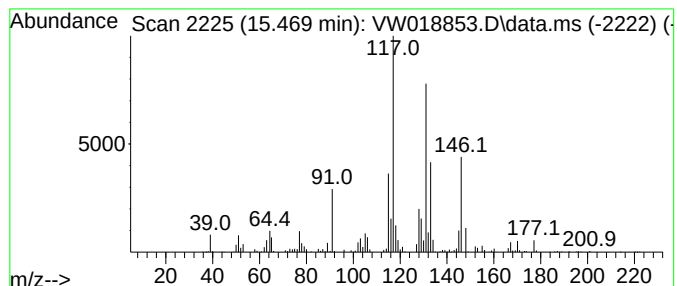
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Quant Title : SFAM01.0

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

Peak Number 22 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.469	3.72 ug/L	215077	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	55
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	49
5			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

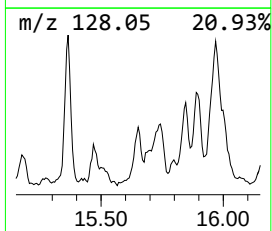
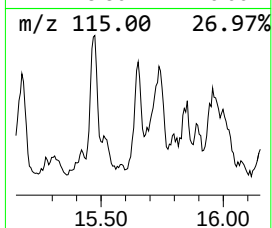
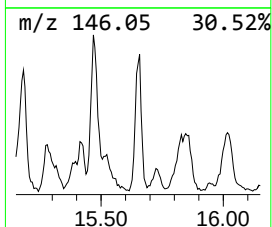
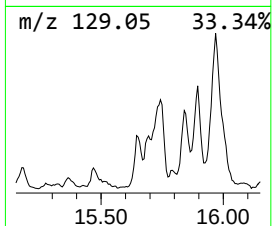
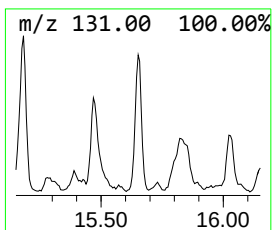
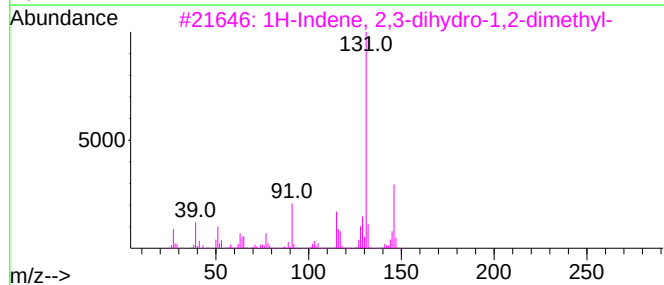
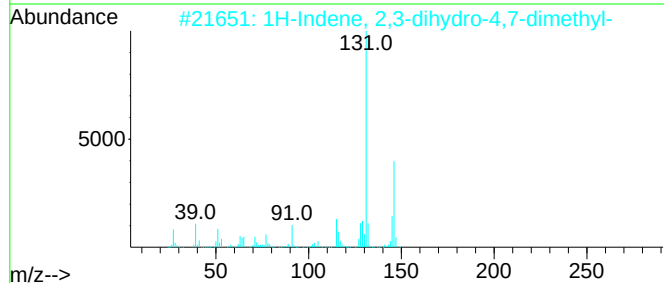
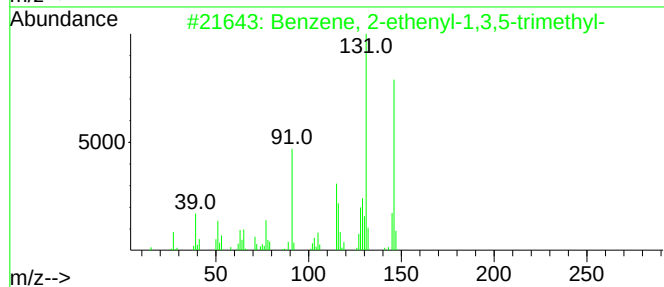
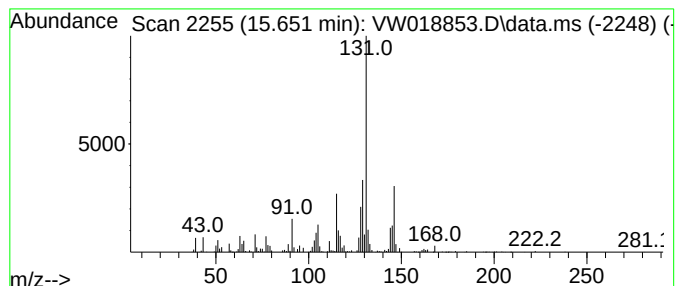
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Quant Title : SFAM01.0

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

Peak Number 23 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.652	10.08 ug/L	582613	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
4			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	81
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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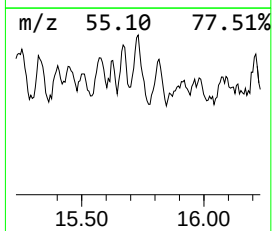
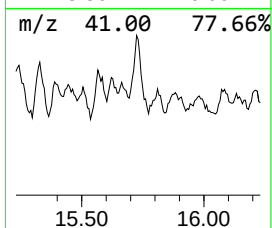
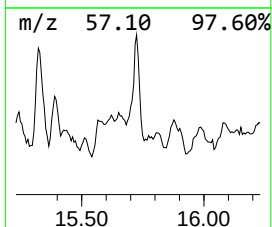
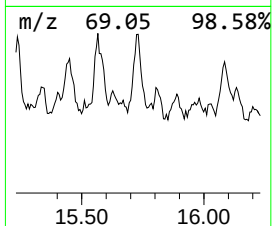
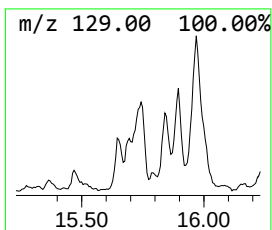
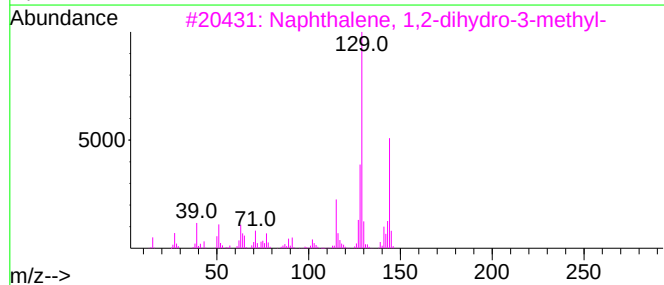
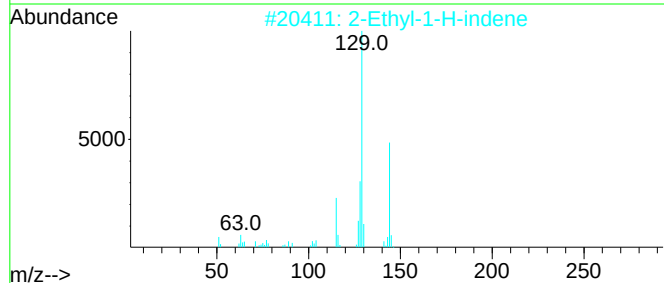
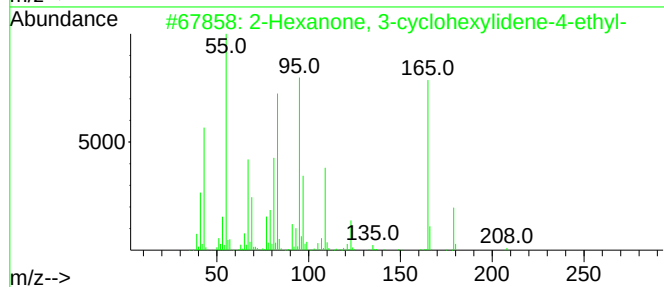
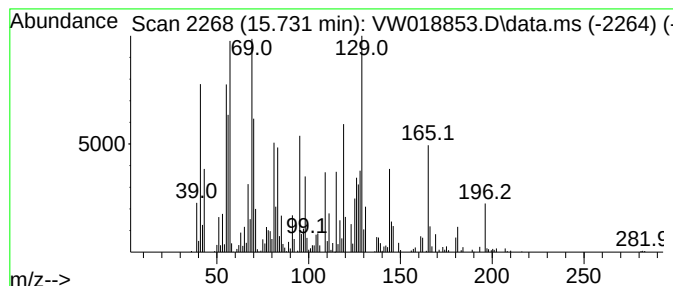
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Quant Title : SFAM01.0

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

Peak Number 24 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	9.64 ug/L	557722	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 3-cyclohexylidene-4-...	208	C14H24O	1000150-19-2	44		
2	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	25		
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	25		
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	25		
5	7-Tetradecene	196	C14H28	010374-74-0	25		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

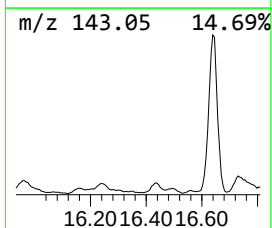
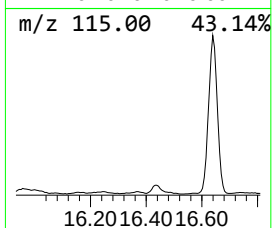
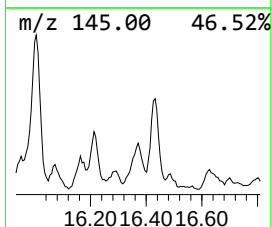
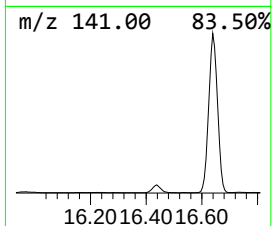
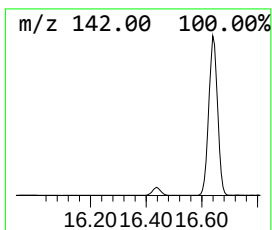
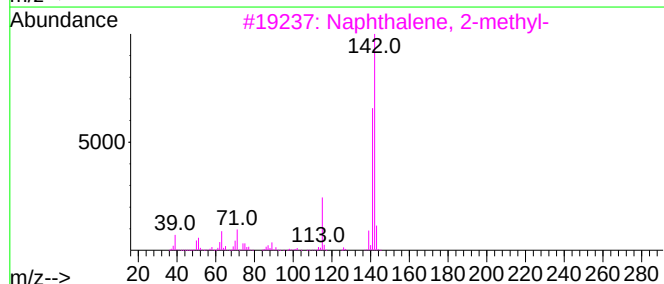
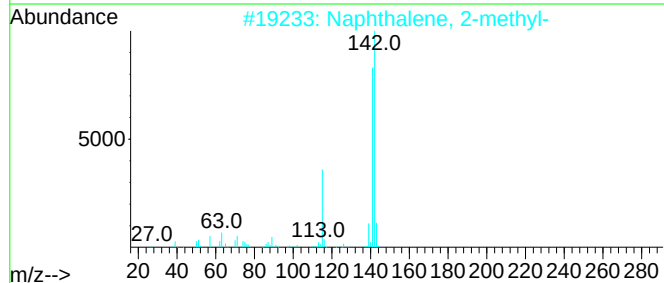
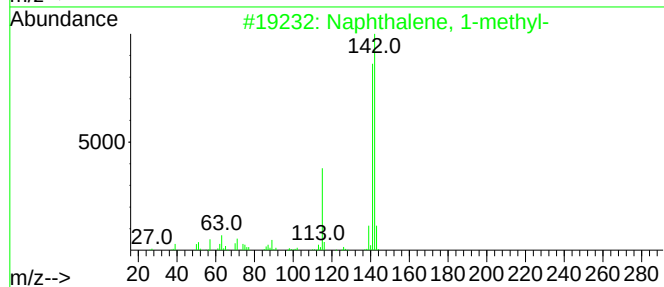
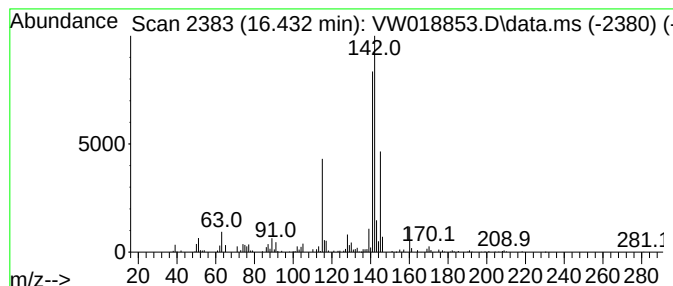
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Quant Title : SFAM01.0

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

Peak Number 25 Benzocycloheptatriene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	7.06 ug/L	408006	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	76
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	76
5			Benzocycloheptatriene	142	C11H10	000264-09-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018853.D
Acq On : 29 Apr 2021 18:18
Operator : SY/VA
Sample : M2192-02
Misc : 4.14G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG596

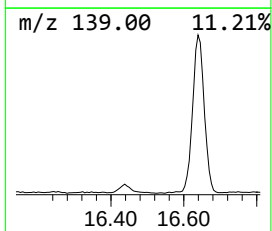
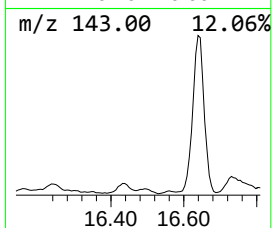
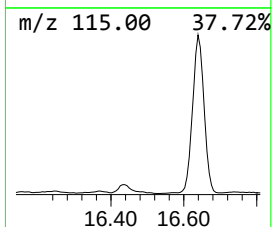
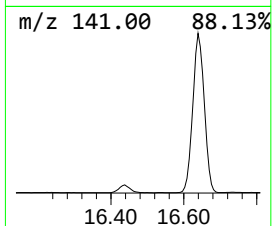
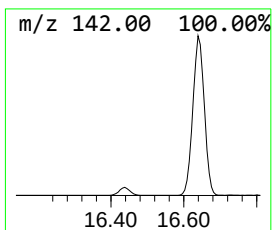
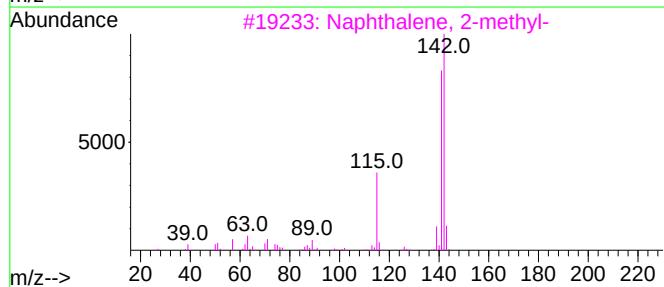
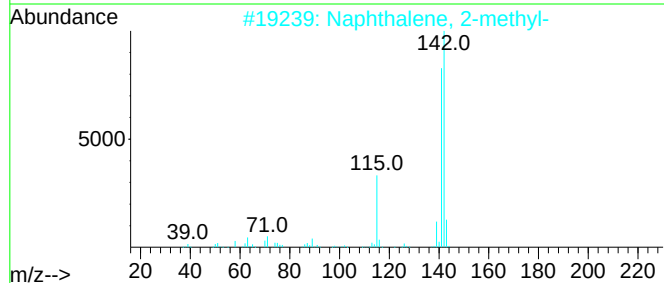
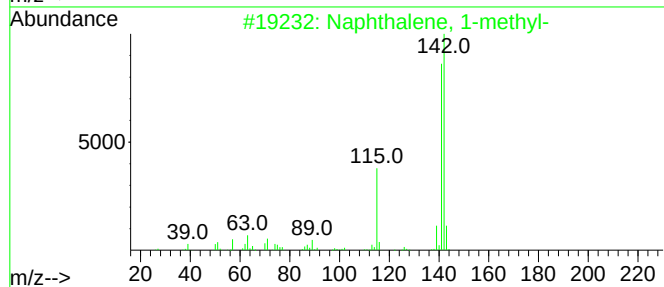
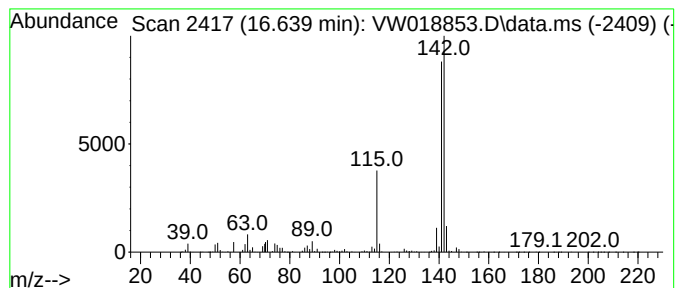
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Quant Title : SFAM01.0

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

Peak Number 26 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	116.04 ug/L	6710210	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018853.D
 Acq On : 29 Apr 2021 18:18
 Operator : SY/VA
 Sample : M2192-02
 Misc : 4.14G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG596

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	12.359	3.8	ug/L	258664	2	11.634	1724860	25.0
(DEL) Alkane: C...	12.780	2.3	ug/L	134425	3	13.560	1445670	25.0
Naphthalene, 1,...	12.865	3.7	ug/L	213701	3	13.560	1445670	25.0
Benzene, 1-ethy...	13.103	14.8	ug/L	856785	3	13.560	1445670	25.0
Indane	13.756	20.7	ug/L	1195490	3	13.560	1445670	25.0
Benzene, 1-ethy...	14.091	9.7	ug/L	558277	3	13.560	1445670	25.0
Benzene, 1-ethe...	14.207	18.7	ug/L	1080260	3	13.560	1445670	25.0
Naphthalene, de...	14.383	3.2	ug/L	183904	3	13.560	1445670	25.0
Benzene, 1,2,3,...	14.414	4.2	ug/L	244369	3	13.560	1445670	25.0
Benzene, 1,3-di...	14.499	4.2	ug/L	240714	3	13.560	1445670	25.0
Benzene, pentam...	14.566	9.2	ug/L	533670	3	13.560	1445670	25.0
unknown-01	14.731	2.7	ug/L	157647	3	13.560	1445670	25.0
Benzene, 1,2,4,...	14.792	16.1	ug/L	933632	3	13.560	1445670	25.0
2-Methylindene	14.950	13.7	ug/L	792979	3	13.560	1445670	25.0
Benzene, 2-ethe...	15.060	22.7	ug/L	1314520	3	13.560	1445670	25.0
1H-Indene, 2,3-...	15.176	6.8	ug/L	391606	3	13.560	1445670	25.0
unknown-02	15.322	4.7	ug/L	270220	3	13.560	1445670	25.0
Naphthalene, 1,...	15.469	3.7	ug/L	215077	3	13.560	1445670	25.0
unknown-03	15.652	10.1	ug/L	582613	3	13.560	1445670	25.0
unknown-04	15.731	9.6	ug/L	557722	3	13.560	1445670	25.0
Benzocyclohepta...	16.432	7.1	ug/L	408006	3	13.560	1445670	25.0
1,4-Methanonaph...	16.639	116.0	ug/L	6710210	3	13.560	1445670	25.0