

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
 Data File : VW019893.D
 Acq On : 25 Aug 2021 11:36
 Operator : SY/VA
 Sample : M3526-09
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7D1

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\SFAMWLM081821SMA.M

Title : SFAM01.0

Signal : TIC: VW019893.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	67	75	87	rVV	118174	234709	1.47%	0.131%
2	2.898	155	163	178	rBV	80132	212945	1.33%	0.119%
3	4.025	336	348	359	rBV	171953	514028	3.22%	0.287%
4	4.922	479	495	520	rBV2	51107	223884	1.40%	0.125%
5	6.726	778	791	805	rVV2	34669	135826	0.85%	0.076%
6	6.885	805	817	841	rVV2	148496	527847	3.31%	0.295%
7	7.653	931	943	969	rBV	242669	725958	4.55%	0.406%
8	8.037	997	1006	1022	rVV	773858	2081670	13.04%	1.164%
9	8.226	1029	1037	1040	rVV2	165583	394273	2.47%	0.220%
10	8.281	1040	1046	1060	rVV2	500250	1465789	9.18%	0.820%
11	8.433	1060	1071	1078	rVV3	719170	1895342	11.87%	1.060%
12	8.512	1078	1084	1089	rVV	423199	953649	5.97%	0.533%
13	8.579	1089	1095	1111	rVV	330128	797177	4.99%	0.446%
14	8.848	1130	1139	1151	rBV	490467	999099	6.26%	0.559%
15	9.152	1181	1189	1201	rVB	95029	215898	1.35%	0.121%
16	9.305	1201	1214	1224	rBV3	2295903	7689359	48.15%	4.299%
17	9.390	1224	1228	1237	rVB	862221	1656616	10.37%	0.926%
18	9.616	1253	1265	1279	rVB	3977711	8714719	54.57%	4.873%
19	9.756	1279	1288	1300	rVB	3138501	6346449	39.74%	3.548%
20	9.902	1300	1312	1315	rBV	771036	1432150	8.97%	0.801%
21	9.945	1315	1319	1328	rVB	936453	1855320	11.62%	1.037%
22	10.037	1328	1334	1336	rBV	161504	265826	1.66%	0.149%
23	10.085	1336	1342	1346	rBV2	1090051	2078344	13.02%	1.162%
24	10.128	1346	1349	1357	rVB	657717	1158060	7.25%	0.647%
25	10.219	1357	1364	1365	rBV2	571177	938508	5.88%	0.525%
26	10.323	1374	1381	1394	rVB2	2200744	4361834	27.32%	2.439%
27	10.451	1394	1402	1404	rBV	450461	773550	4.84%	0.433%
28	10.494	1404	1409	1418	rVB	1218328	2739482	17.16%	1.532%
29	10.622	1418	1430	1433	rBV2	1783628	3649877	22.86%	2.041%
30	10.671	1433	1438	1446	rVB	3579491	6838287	42.82%	3.823%
31	10.762	1446	1453	1458	rBV3	1131740	2415834	15.13%	1.351%
32	10.811	1458	1461	1464	rVV3	212157	272431	1.71%	0.152%
33	10.847	1464	1467	1472	rVB	656694	1018246	6.38%	0.569%
34	10.908	1472	1477	1488	rVB3	355821	1014769	6.35%	0.567%
35	11.036	1488	1498	1507	rBV2	1245117	3291187	20.61%	1.840%
36	11.116	1507	1511	1513	rBV	542235	875384	5.48%	0.489%

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Integrator: RTE

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Title : SFAM01.0

37	11.146	1513	1516	1523	rVB2	851327	1385392	8.68%	0.775%
38	11.231	1523	1530	1536	rBV	8325022	15968494	100.00%	8.928%
39	11.286	1536	1539	1542	rVV	747324	943511	5.91%	0.528%
40	11.335	1542	1547	1552	rVB2	2941439	5065351	31.72%	2.832%
41	11.384	1552	1555	1559	rVB	564161	797878	5.00%	0.446%
42	11.439	1559	1564	1571	rVB	2688155	4588800	28.74%	2.566%
43	11.506	1571	1575	1580	rBV	392606	596197	3.73%	0.333%
44	11.567	1580	1585	1591	rBV2	326760	797924	5.00%	0.446%
45	11.634	1591	1596	1599	rBV	579294	994102	6.23%	0.556%
46	11.670	1599	1602	1608	rVB2	490381	702267	4.40%	0.393%
47	11.725	1609	1611	1613	rBV2	108174	118779	0.74%	0.066%
48	11.768	1613	1618	1621	rBV	1427079	2203708	13.80%	1.232%
49	11.811	1621	1625	1630	rVB4	1302119	2516909	15.76%	1.407%
50	11.872	1630	1635	1639	rBV	2302037	4345017	27.21%	2.429%
51	11.914	1639	1642	1648	rVB4	2032894	3574376	22.38%	1.998%
52	11.975	1648	1652	1658	rBV3	617766	1154079	7.23%	0.645%
53	12.048	1658	1664	1671	rVB3	563613	1443821	9.04%	0.807%
54	12.140	1671	1679	1686	rBV2	3168109	7040500	44.09%	3.936%
55	12.225	1690	1693	1700	rVB3	887520	1621147	10.15%	0.906%
56	12.304	1700	1706	1708	rBV2	1063219	1994773	12.49%	1.115%
57	12.365	1708	1716	1723	rBV3	2455165	6446599	40.37%	3.604%
58	12.451	1728	1730	1733	rVV3	541221	801783	5.02%	0.448%
59	12.506	1735	1739	1746	rVB5	944340	1917614	12.01%	1.072%
60	12.560	1746	1748	1752	rVB	273570	356881	2.23%	0.200%
61	12.621	1752	1758	1763	rVB2	449517	801950	5.02%	0.448%
62	12.695	1763	1770	1775	rBV4	1053934	2367578	14.83%	1.324%
63	12.780	1775	1784	1790	rVB3	2753638	5407123	33.86%	3.023%
64	12.859	1790	1797	1802	rBV4	859322	2170378	13.59%	1.213%
65	12.938	1802	1810	1816	rVV5	1645002	4467235	27.98%	2.498%
66	12.993	1816	1819	1824	rVB2	777104	1152587	7.22%	0.644%
67	13.048	1824	1828	1829	rBV4	166742	238965	1.50%	0.134%
68	13.079	1829	1833	1837	rBV2	544388	752343	4.71%	0.421%
69	13.121	1837	1840	1843	rBV2	299899	423191	2.65%	0.237%
70	13.164	1843	1847	1859	rVB5	1110994	2455795	15.38%	1.373%
71	13.262	1859	1863	1865	rBV2	334723	515678	3.23%	0.288%
72	13.292	1865	1868	1872	rVB	193990	230578	1.44%	0.129%
73	13.377	1879	1882	1886	rVB3	238468	291052	1.82%	0.163%
74	13.451	1886	1894	1898	rBV3	1137588	2540586	15.91%	1.420%
75	13.560	1907	1912	1920	rVB	659492	1254761	7.86%	0.702%
76	13.627	1920	1923	1927	rBV4	96681	142018	0.89%	0.079%

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 Title : SFAM01.0

77	13.694	1928	1934	1939	rBV3	454333	878745	5.50%	0.491%
78	13.877	1949	1964	1969	rBV2	1751396	4408318	27.61%	2.465%
79	13.975	1976	1980	1984	rBV2	273282	506412	3.17%	0.283%
80	14.011	1984	1986	1991	rVB4	159155	236034	1.48%	0.132%
81	14.194	2011	2016	2023	rBV7	167167	465294	2.91%	0.260%
82	14.267	2023	2028	2033	rBV4	258939	489200	3.06%	0.274%
83	14.316	2033	2036	2040	rBV3	202909	322038	2.02%	0.180%
84	14.383	2042	2047	2052	rVB2	937861	1504291	9.42%	0.841%
85	14.493	2062	2065	2068	rVB4	76311	87196	0.55%	0.049%
86	14.548	2068	2074	2079	rBV5	584695	1022275	6.40%	0.572%
87	14.603	2080	2083	2087	rBV4	102998	205107	1.28%	0.115%
88	14.737	2101	2105	2110	rBV4	146778	268035	1.68%	0.150%
89	14.792	2110	2114	2118	rVV3	441728	797353	4.99%	0.446%
90	14.841	2118	2122	2129	rVB4	454486	999611	6.26%	0.559%
91	15.060	2155	2158	2162	rVB2	211881	308040	1.93%	0.172%
92	15.170	2171	2176	2181	rVB5	205049	375213	2.35%	0.210%
93	15.322	2196	2201	2208	rVB2	495377	847915	5.31%	0.474%
94	15.414	2209	2216	2218	rBV5	129069	306973	1.92%	0.172%
95	15.505	2228	2231	2237	rVB4	145727	280255	1.76%	0.157%
96	15.627	2248	2251	2252	rBV2	69994	80818	0.51%	0.045%
97	15.731	2263	2268	2273	rBV5	159949	308984	1.93%	0.173%
98	16.163	2332	2339	2344	rBV5	147002	362802	2.27%	0.203%
99	16.279	2354	2358	2364	rVB2	137148	253979	1.59%	0.142%
100	16.371	2368	2373	2379	rVB2	83603	186049	1.17%	0.104%

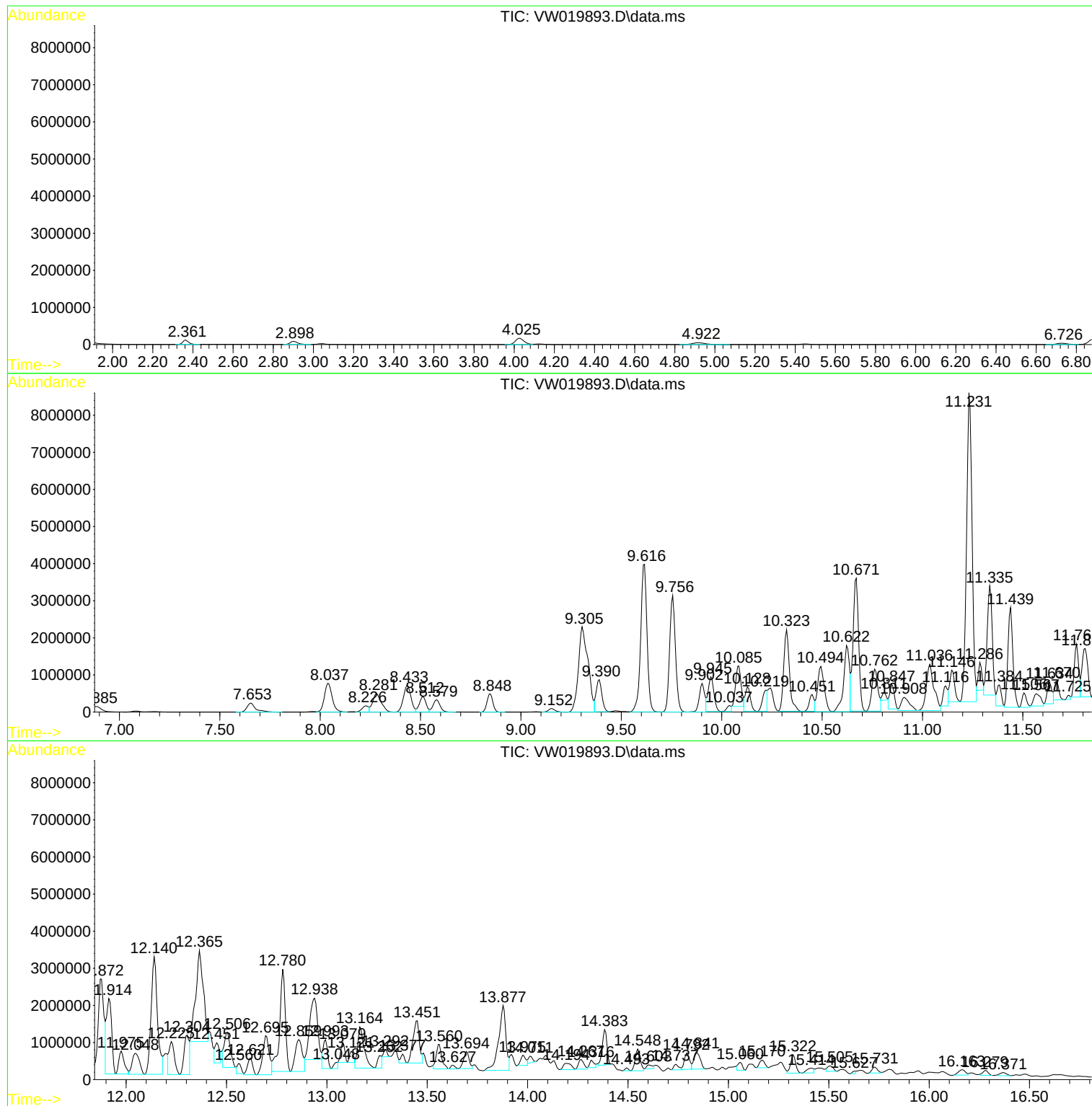
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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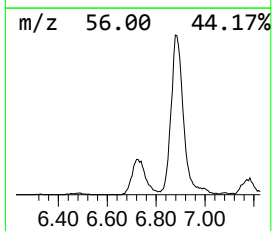
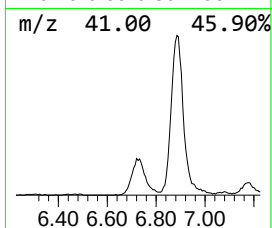
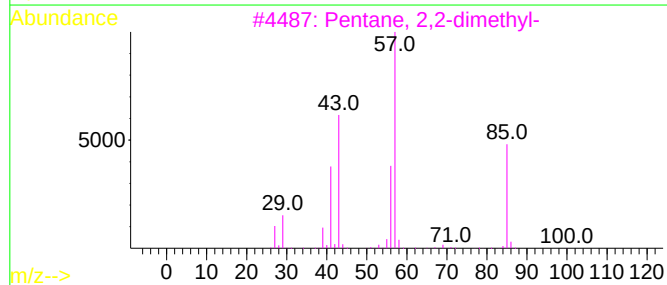
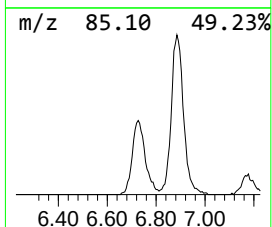
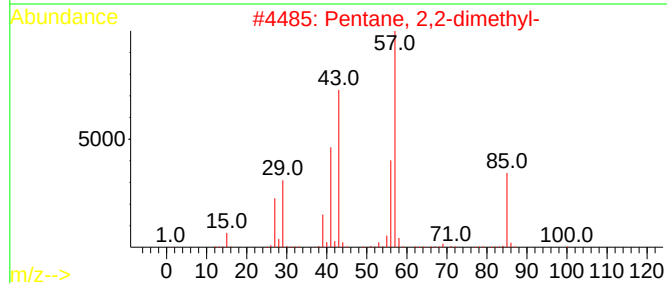
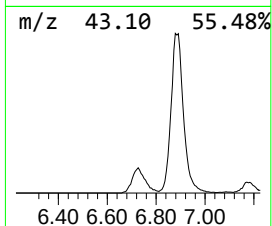
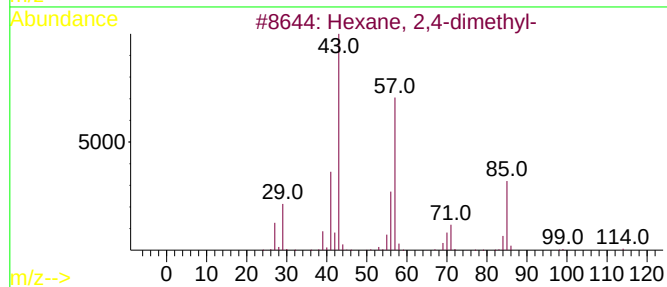
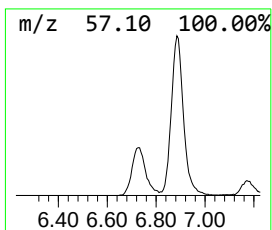
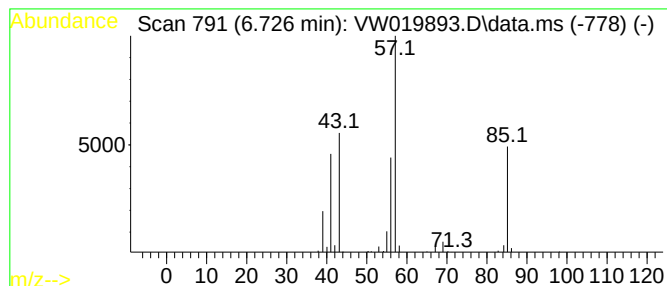
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.726	3.40 ug/L	135826	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64



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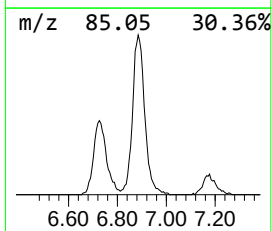
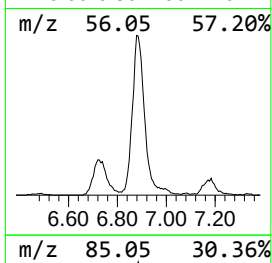
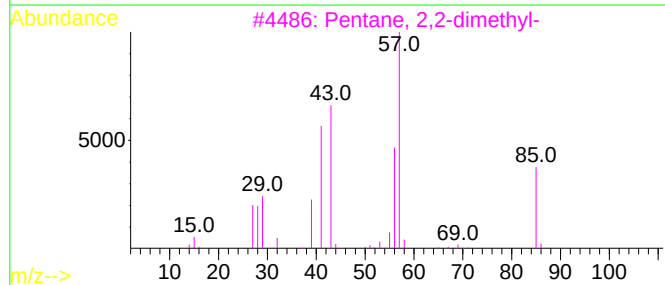
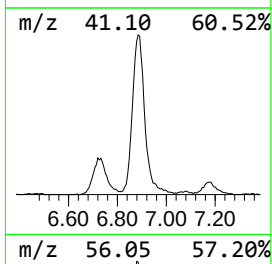
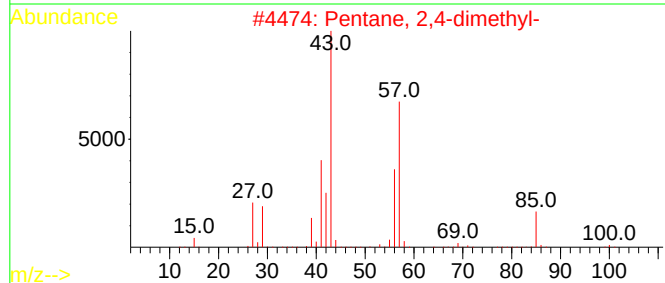
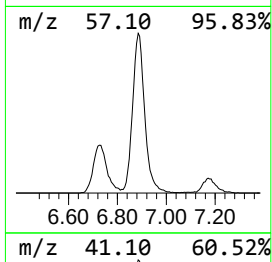
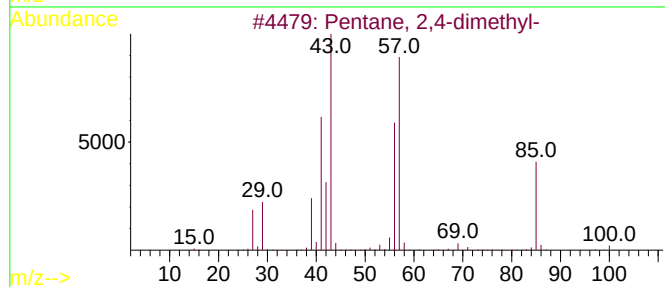
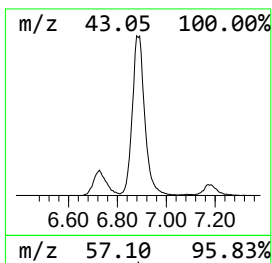
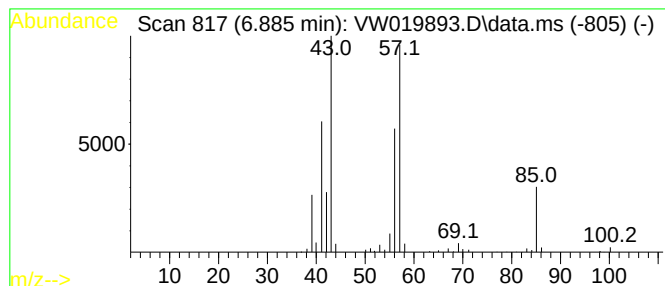
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.885	13.21 ug/L	527847	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53



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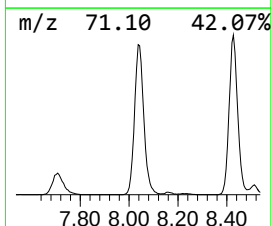
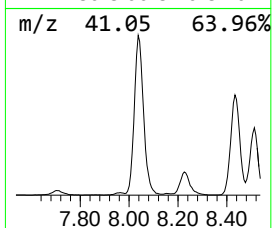
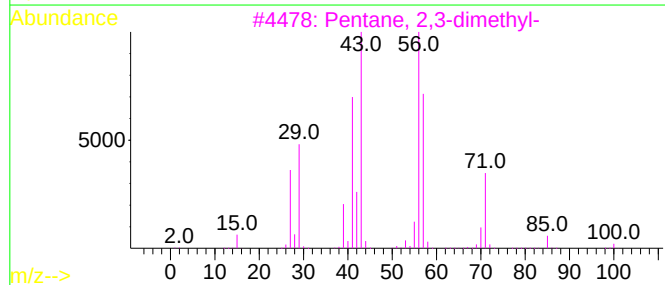
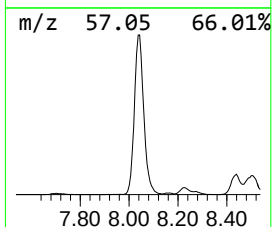
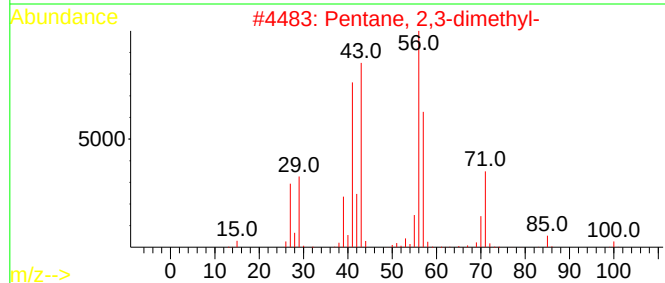
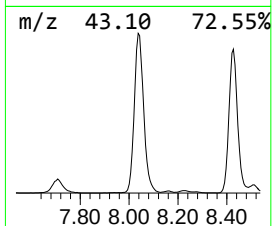
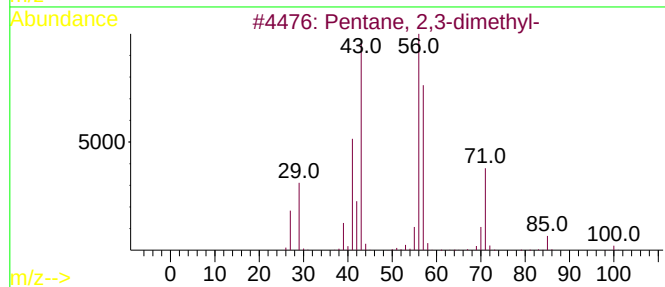
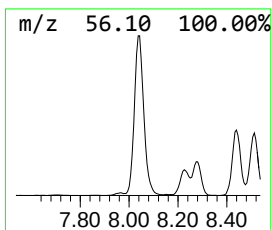
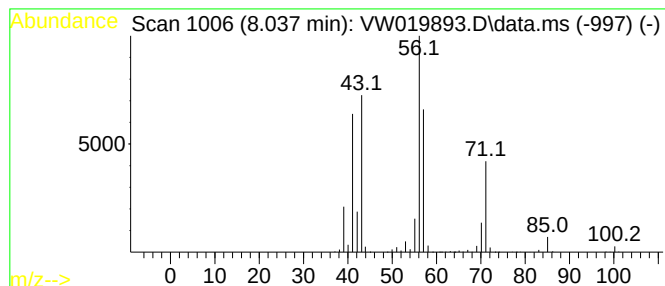
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	52.09 ug/L	2081670	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

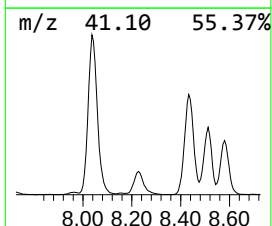
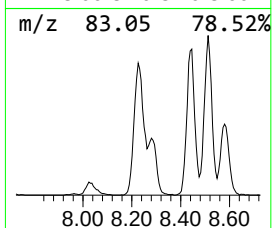
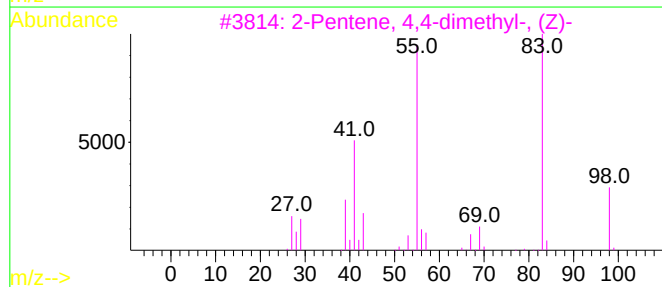
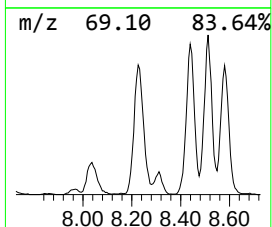
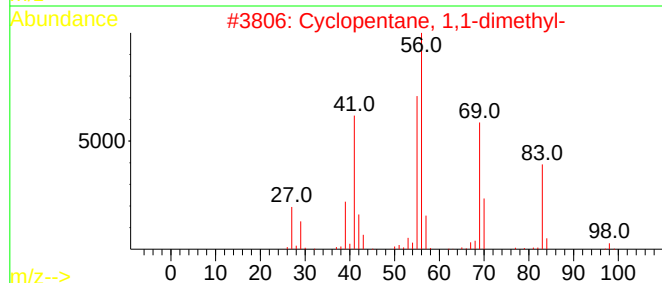
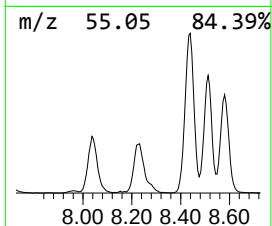
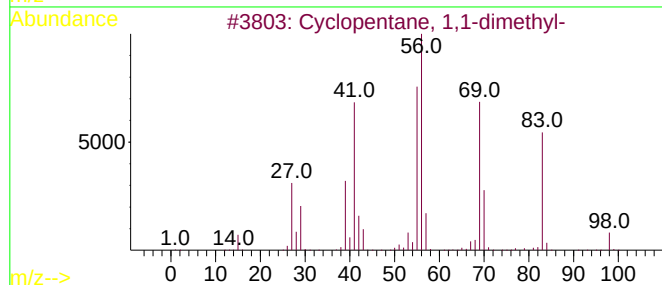
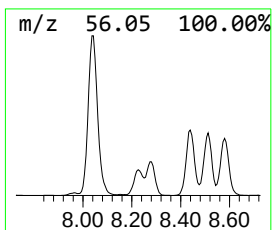
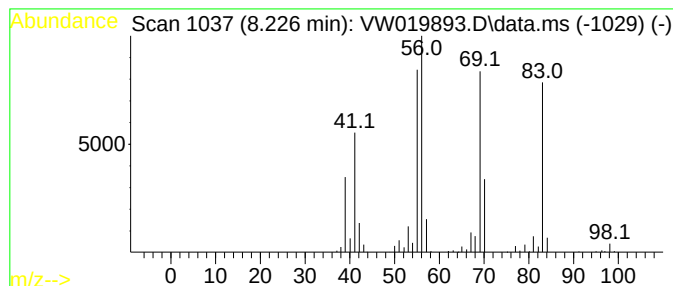
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic8.226 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.226	9.87 ug/L	394273	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	52
3		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38
4		1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38
5		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

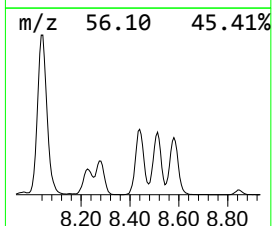
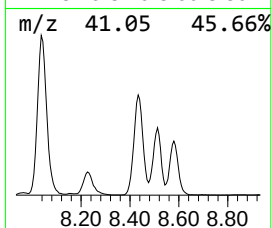
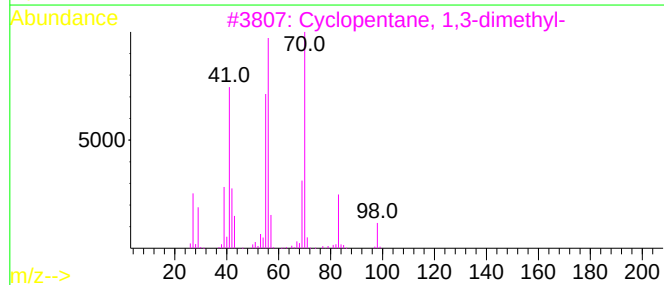
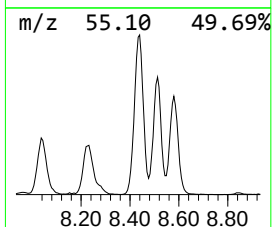
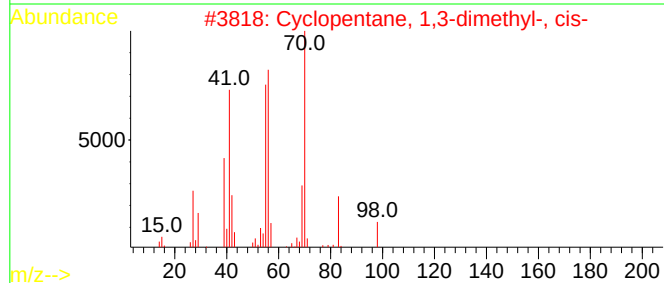
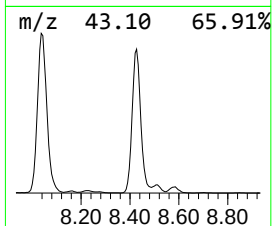
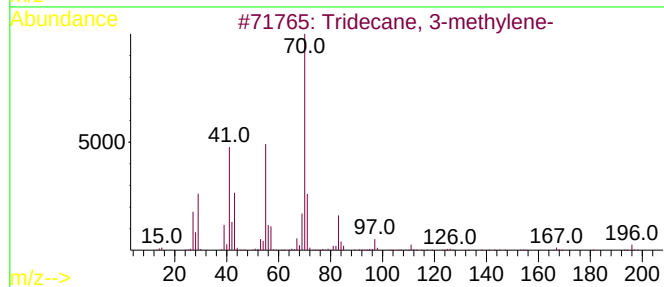
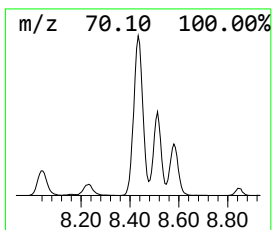
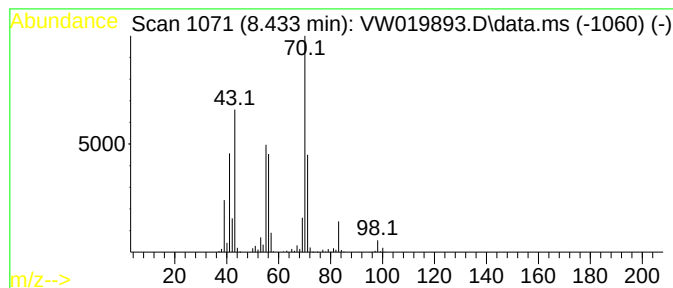
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.433	47.43 ug/L	1895340	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 3-methylene-	196	C14H28	019780-34-8	53
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53
4			Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	50
5			1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

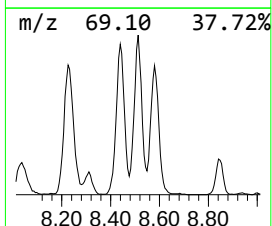
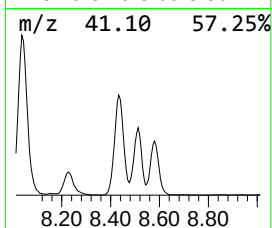
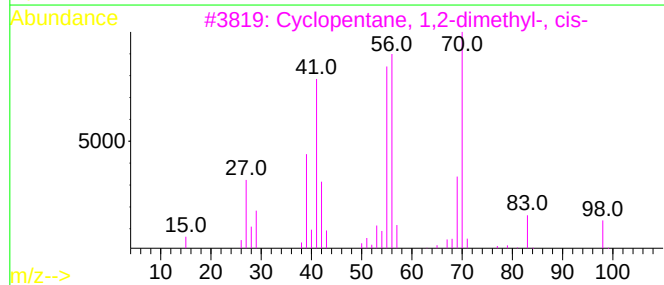
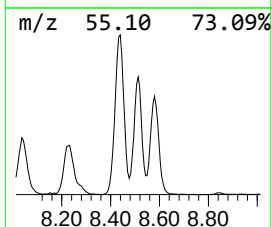
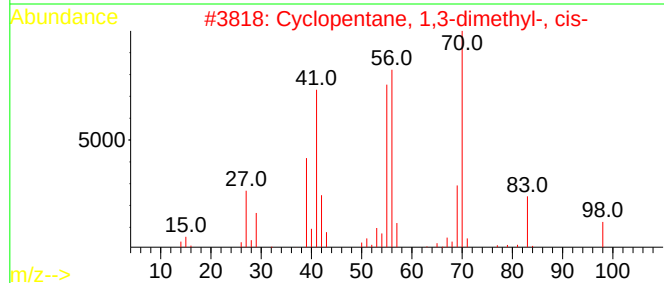
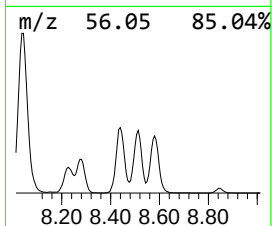
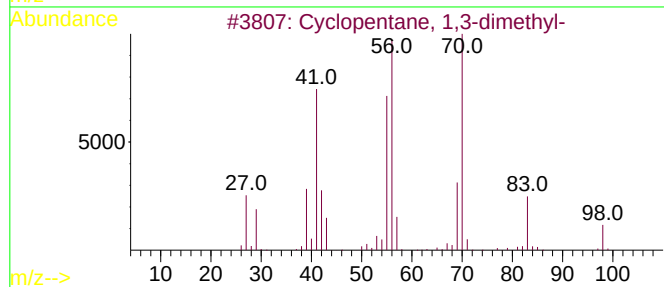
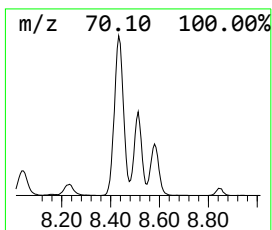
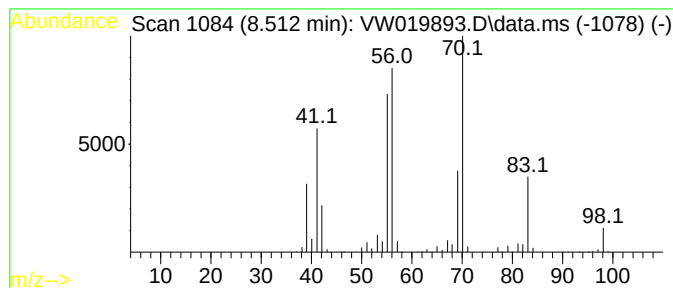
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic8.512 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	23.86 ug/L	953649	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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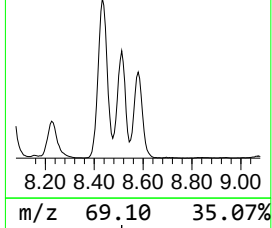
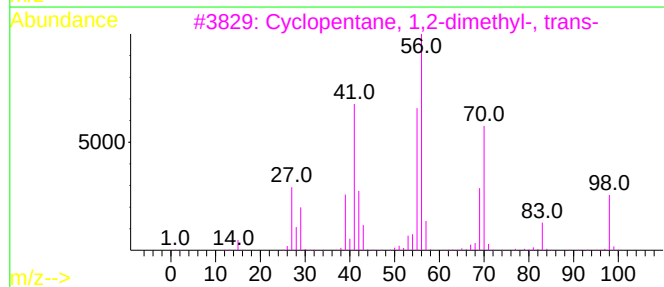
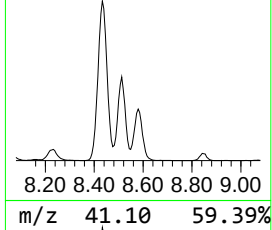
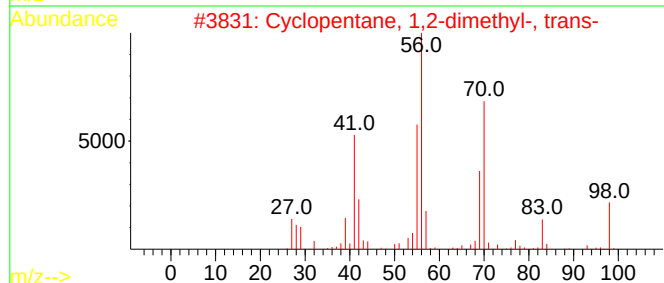
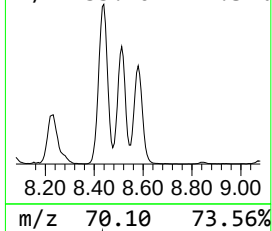
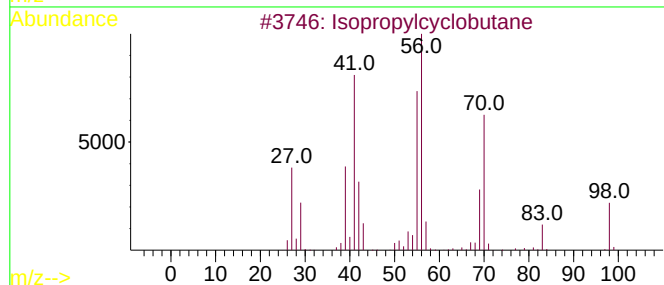
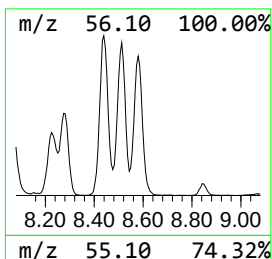
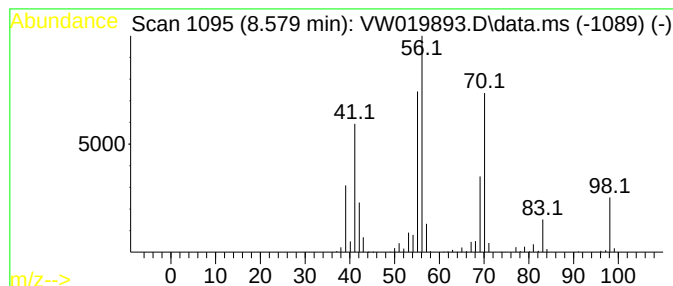
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic8.579 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	19.95 ug/L	797177	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopropylcyclobutane	98	C7H14	000872-56-0	94
2			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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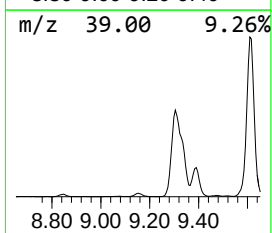
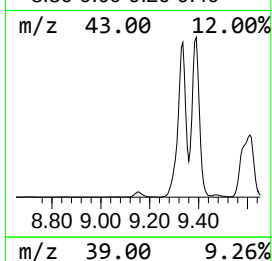
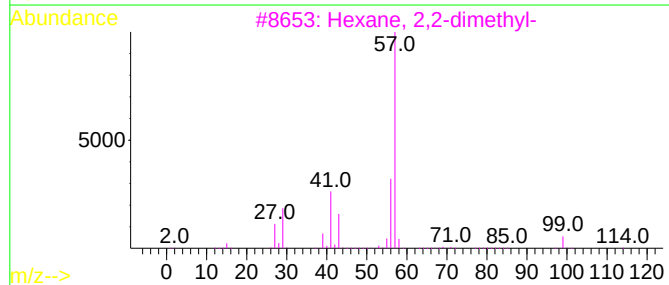
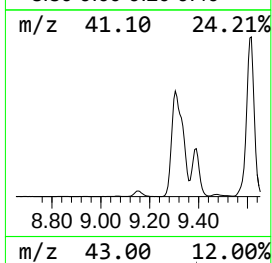
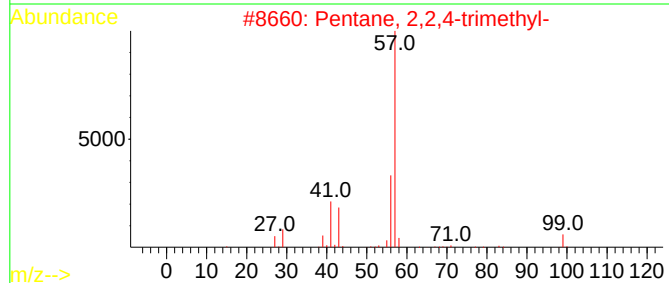
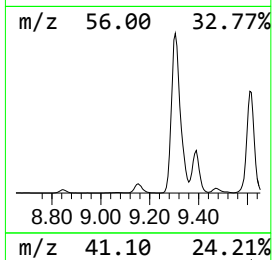
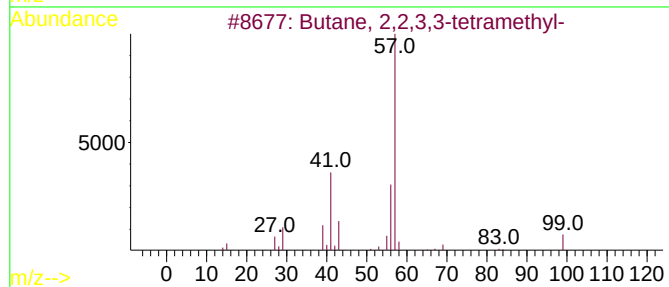
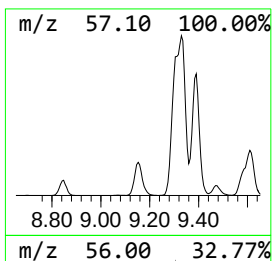
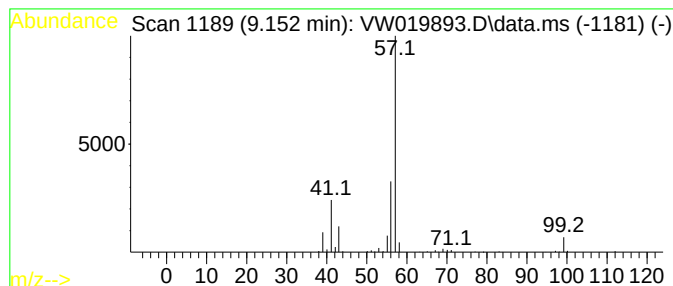
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.152	5.40 ug/L	215898	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

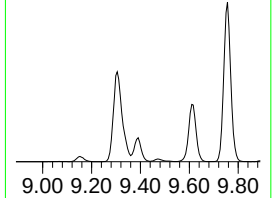
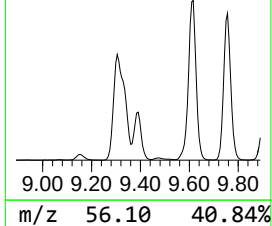
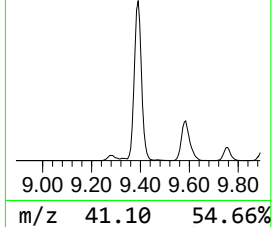
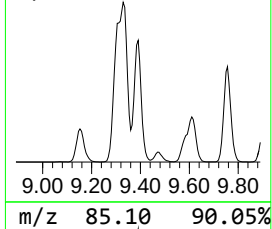
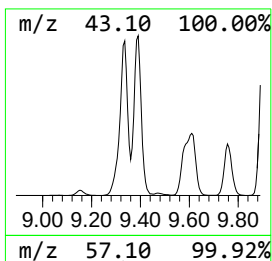
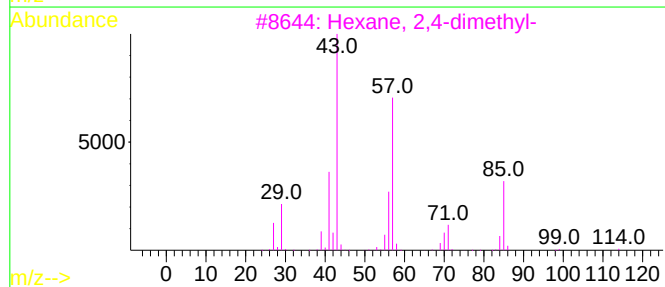
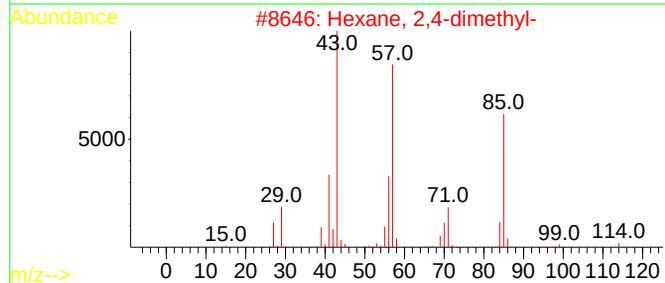
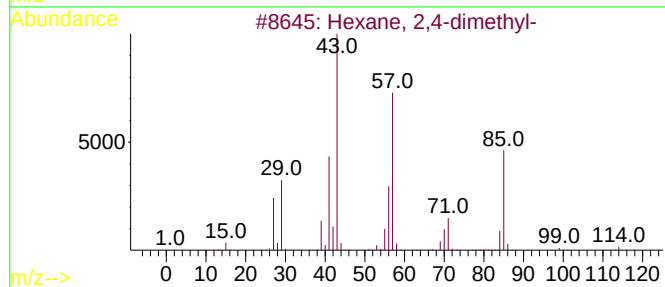
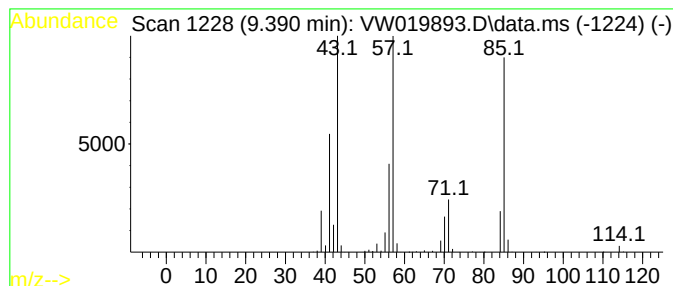
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.390	41.45 ug/L	1656620	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76
5			Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

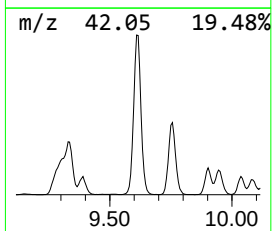
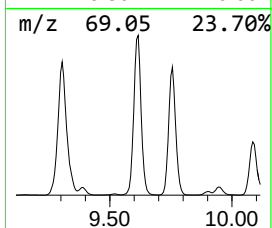
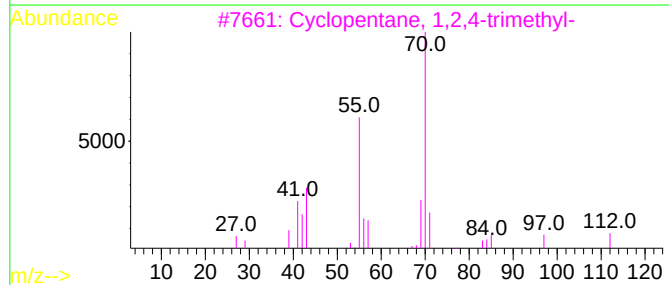
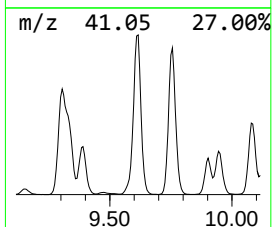
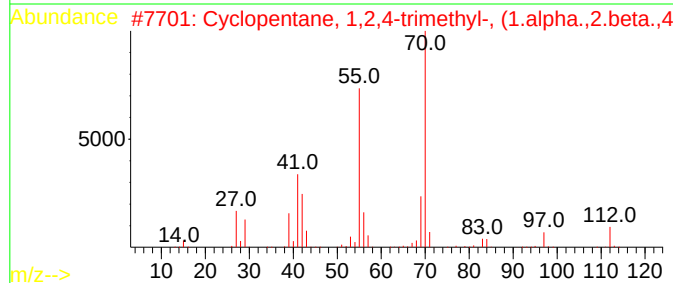
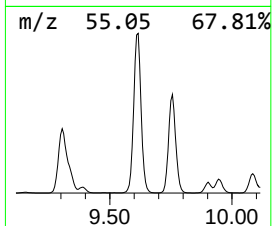
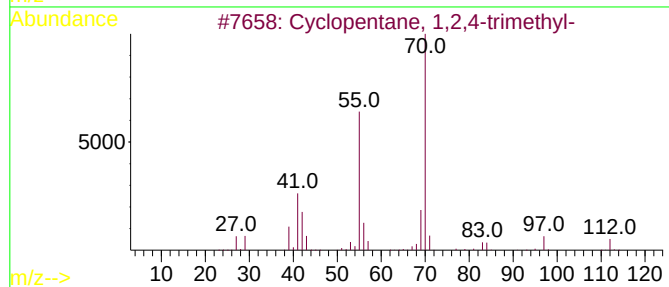
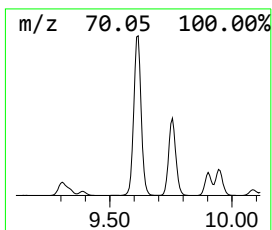
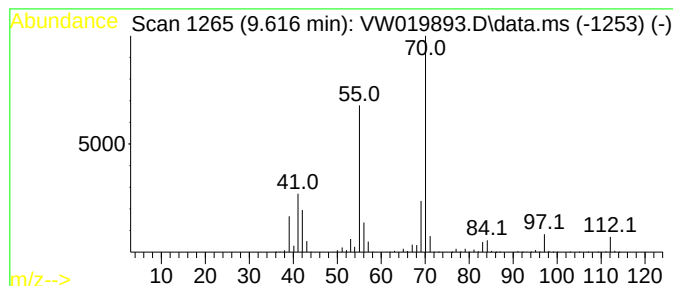
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Cyclic9.616 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	218.06 ug/L	8714720	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	74
5			Nonane, 3-methylene-	140	C10H20	051655-64-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

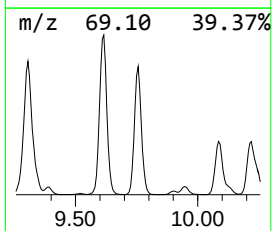
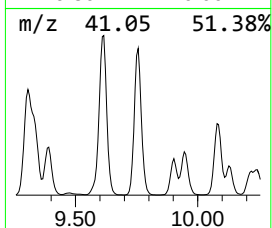
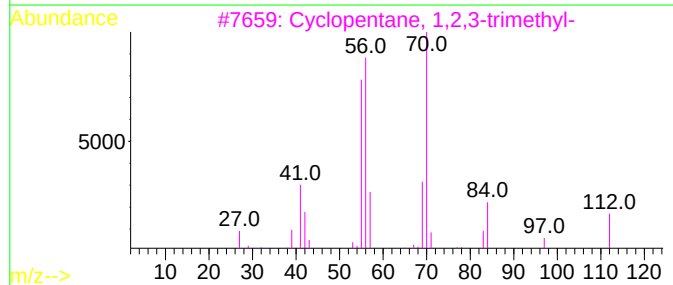
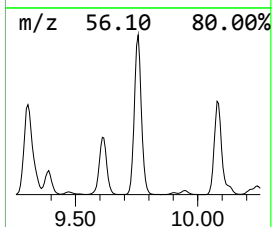
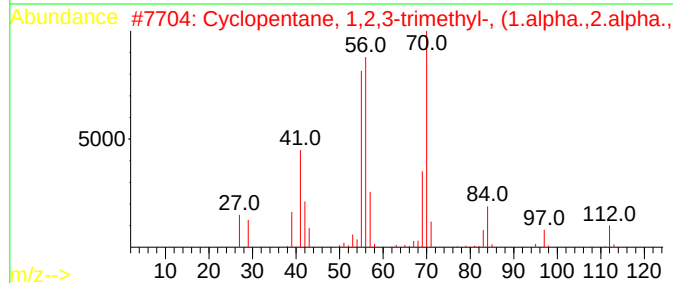
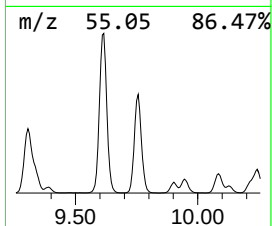
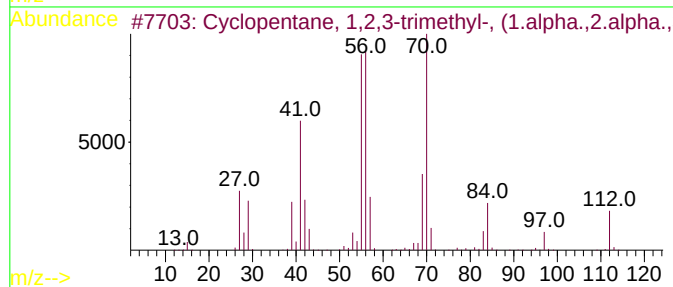
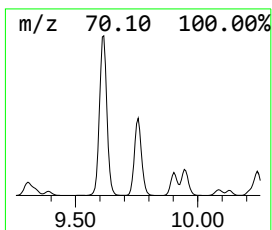
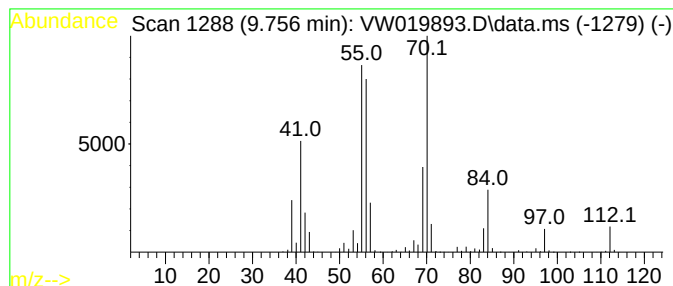
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Cyclic9.756 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	158.80 ug/L	6346450	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	96
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	83
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

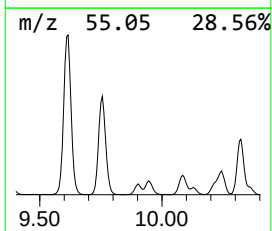
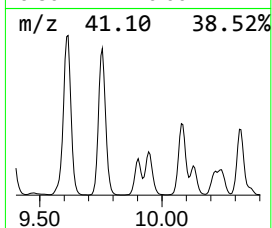
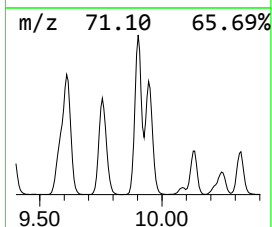
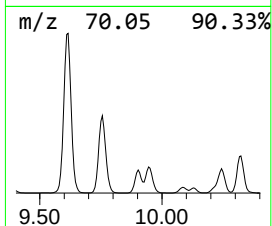
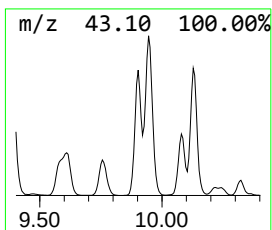
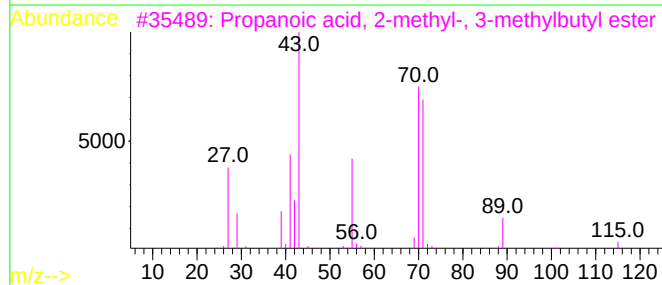
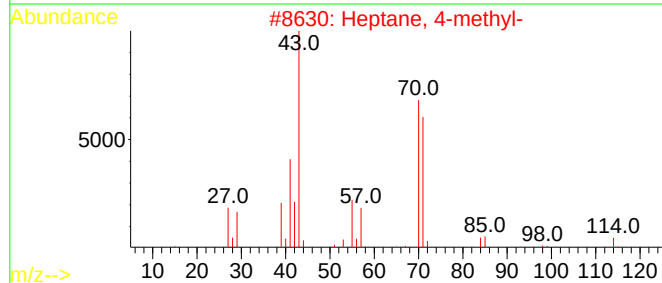
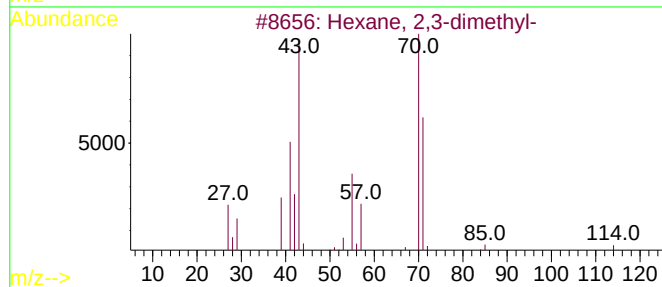
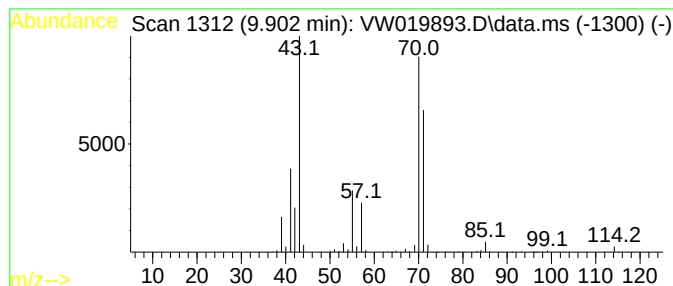
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	35.84 ug/L	1432150	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	78
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	76
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

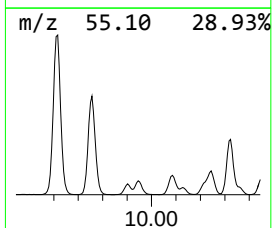
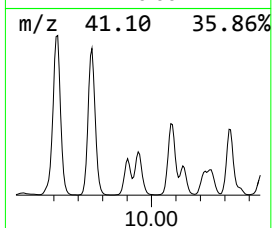
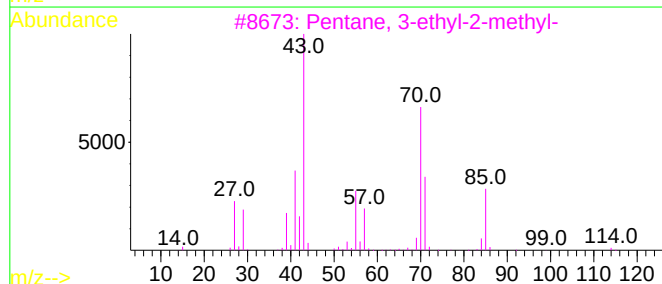
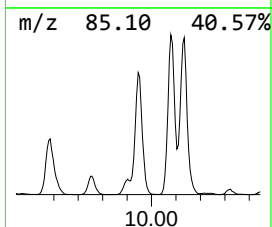
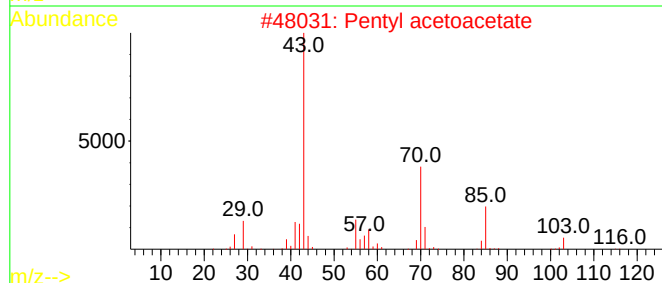
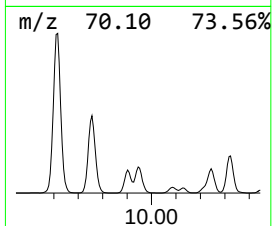
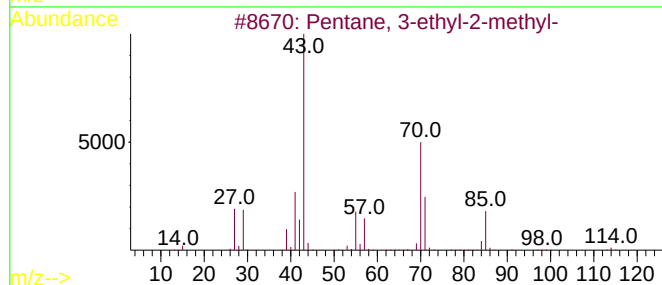
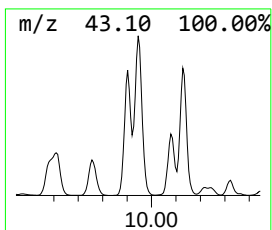
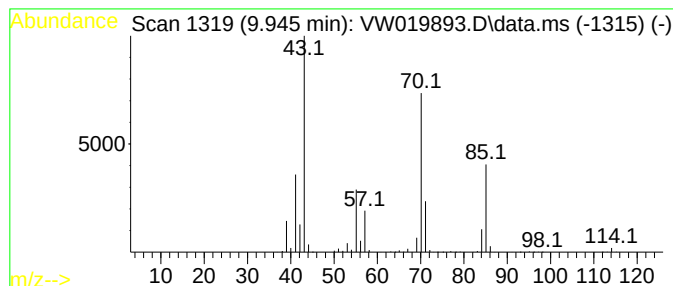
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	46.42 ug/L	1855320	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2			Pentyl acetoacetate	172	C9H16O3	006624-84-6	83
3			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
4			Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	64
5			Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

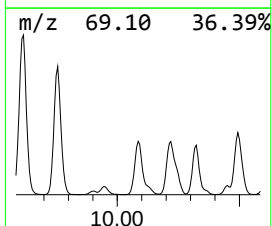
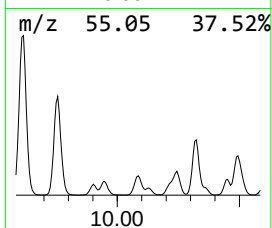
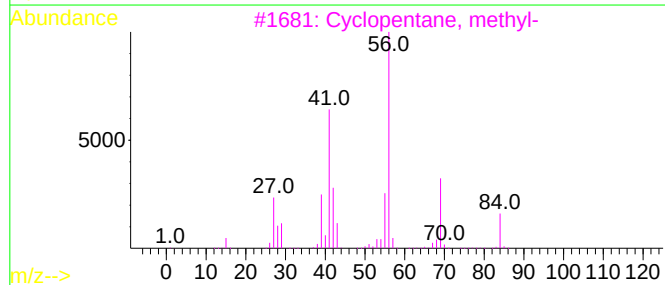
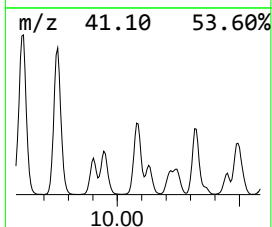
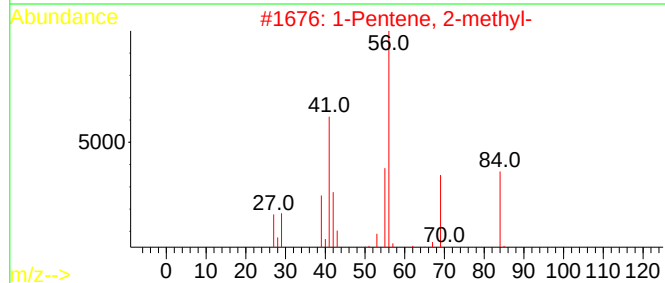
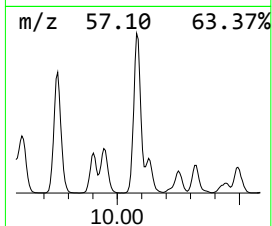
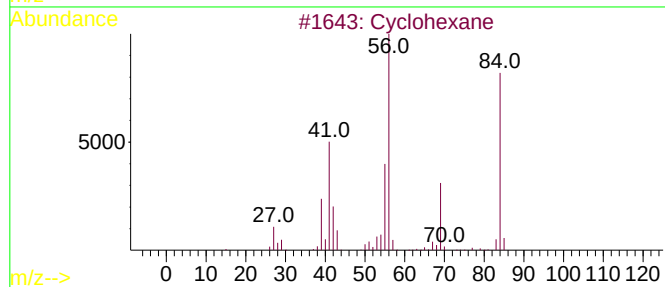
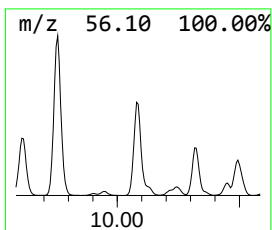
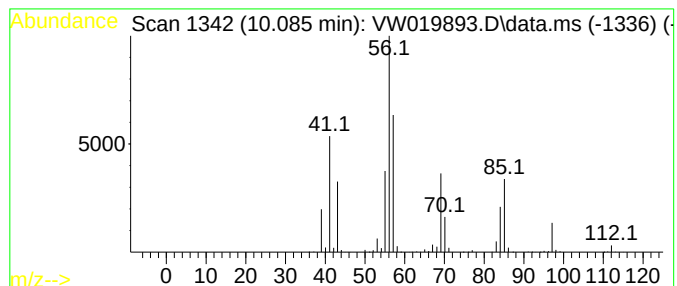
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.085	52.01 ug/L	2078340	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	52
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	52
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
4	Cyclohexane	84	C6H12	000110-82-7	50
5	2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

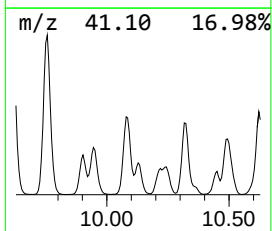
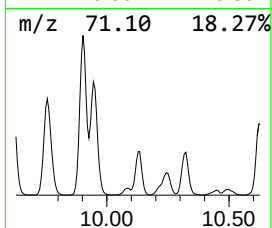
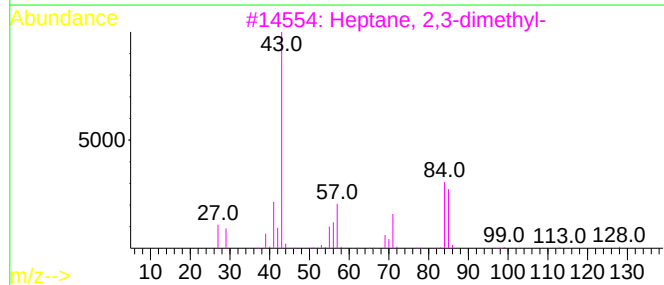
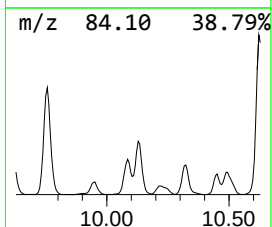
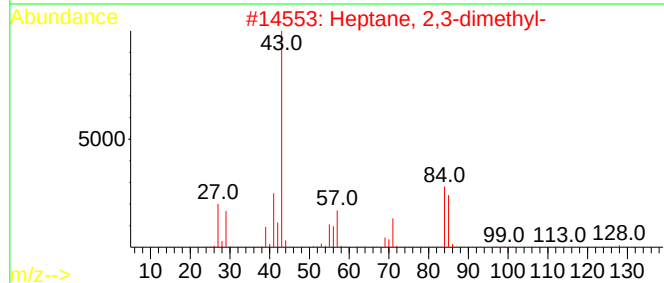
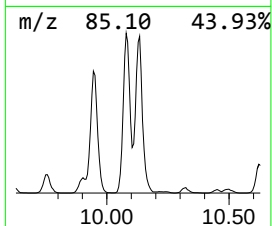
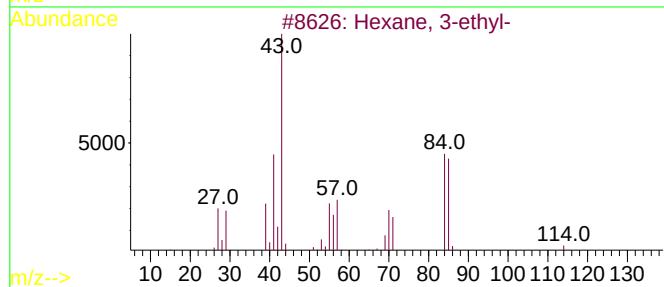
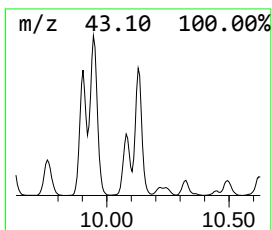
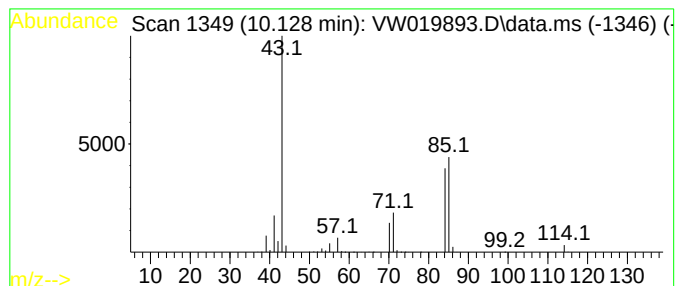
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.128	28.98 ug/L	1158060	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-	114	C8H18	000619-99-8	86
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5			Hexane, 3-ethyl-	114	C8H18	000619-99-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

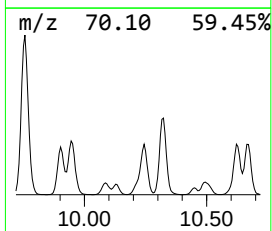
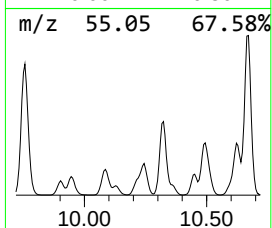
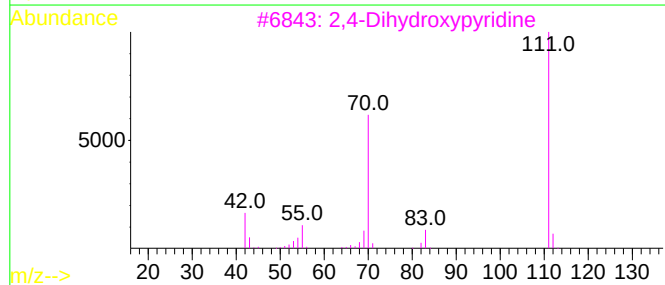
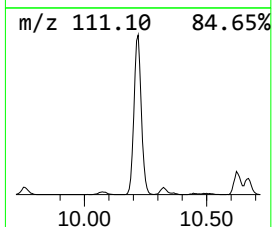
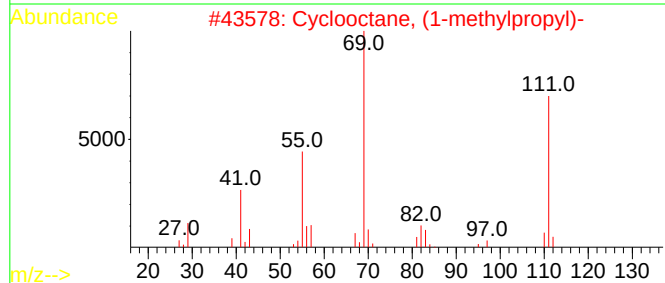
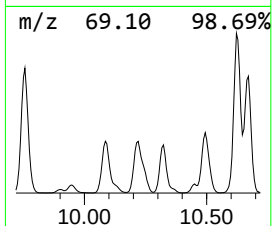
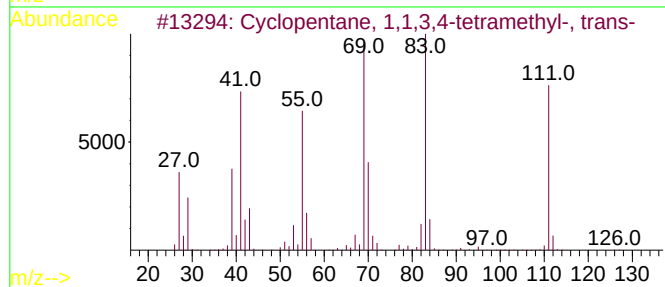
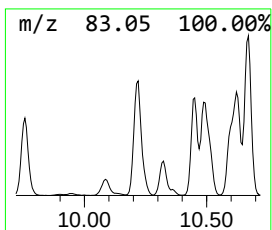
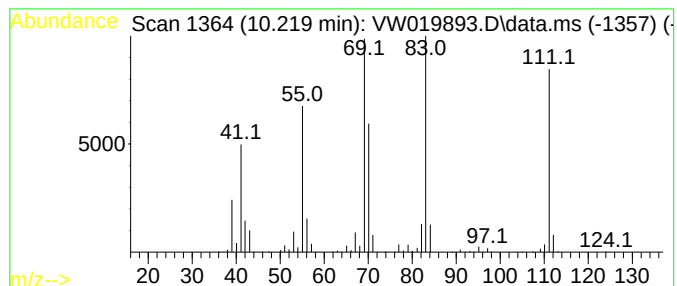
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic10.219 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.219	23.48 ug/L	938508	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	59
2			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
3			2,4-Dihydroxypyridine	111	C5H5NO2	000626-03-9	27
4			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	27
5			1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

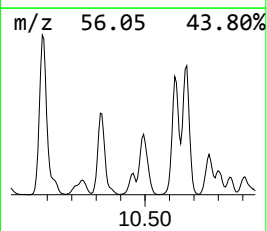
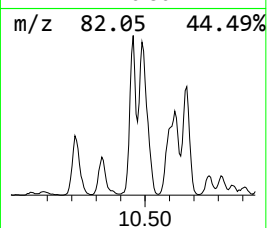
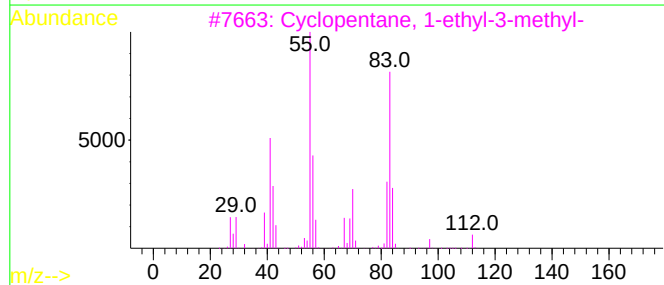
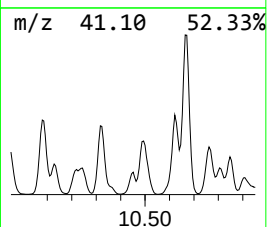
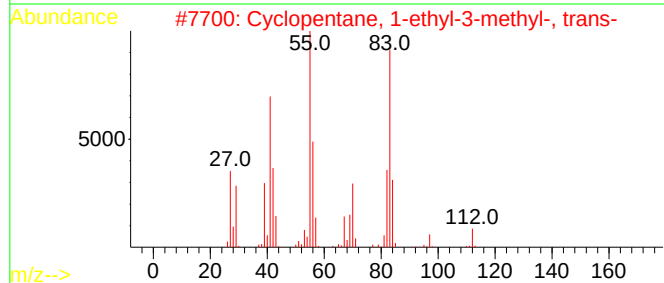
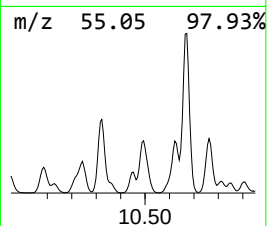
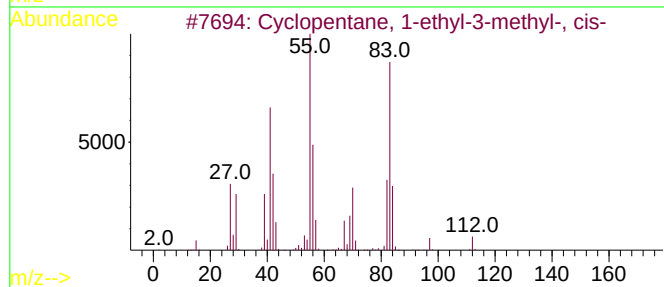
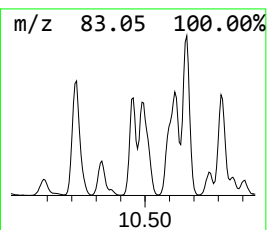
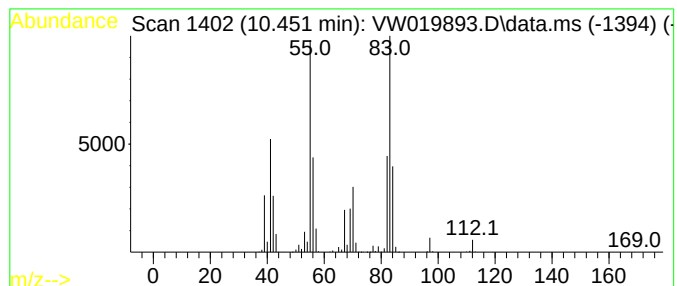
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic10.451 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	19.45 ug/L	773550	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	96
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	95
3			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	94
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5			Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

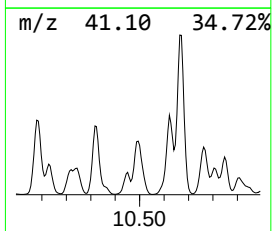
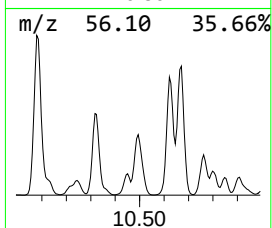
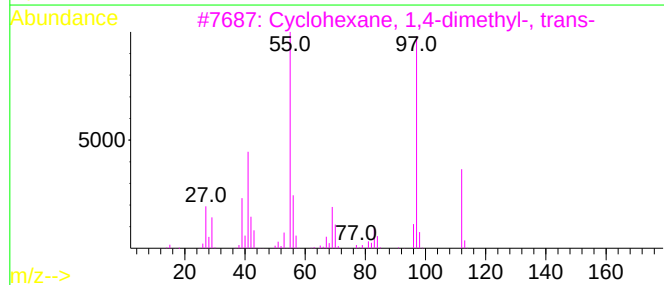
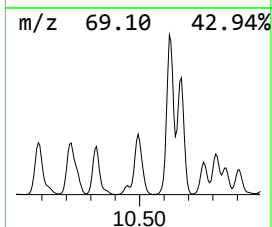
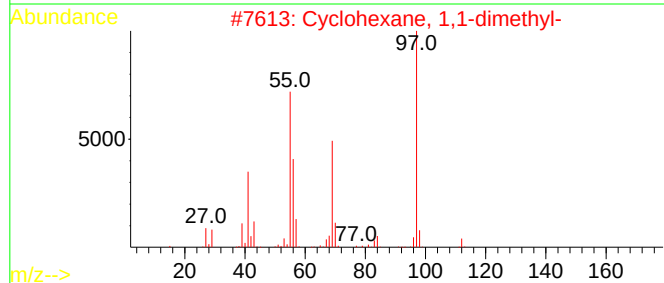
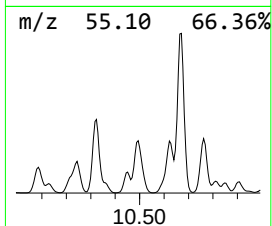
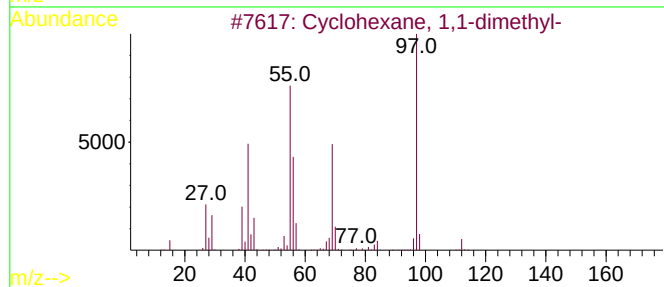
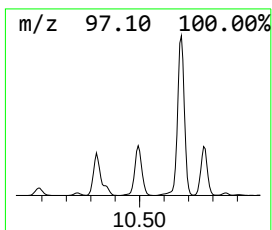
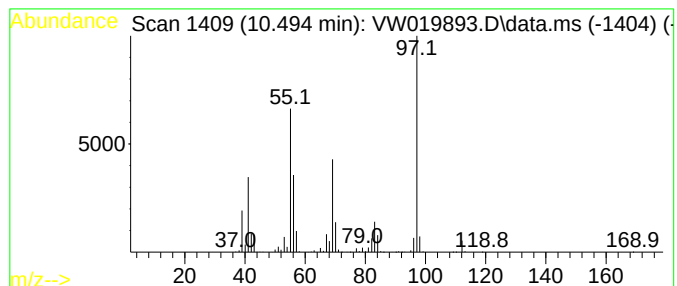
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic10.494 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	68.89 ug/L	2739480	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	90
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	56
5			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

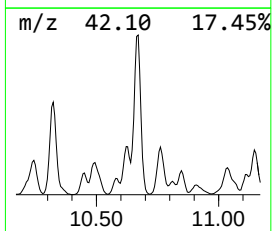
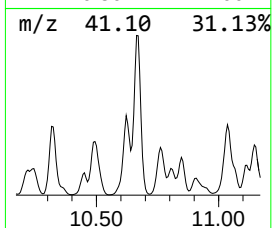
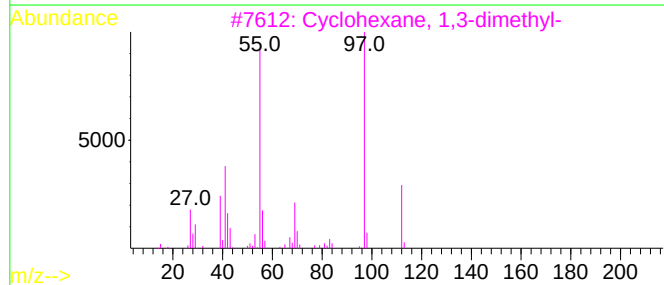
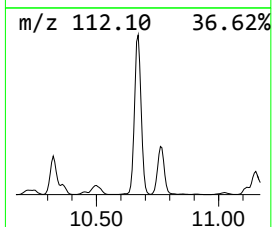
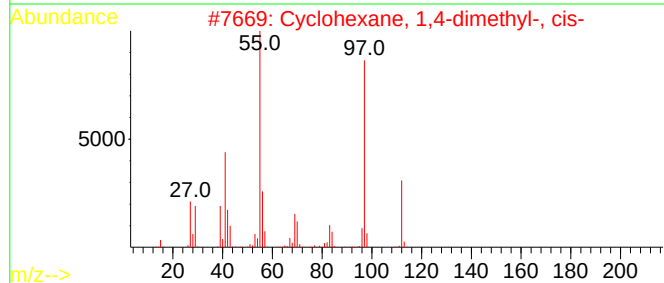
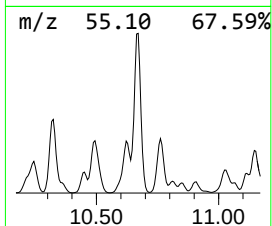
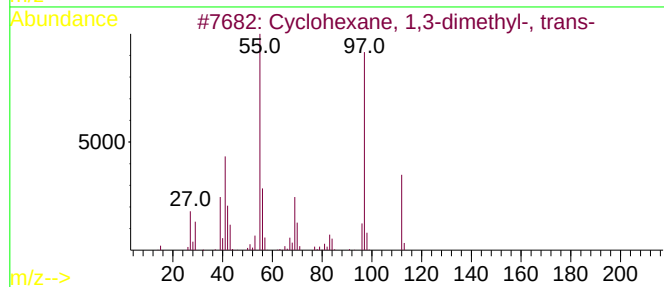
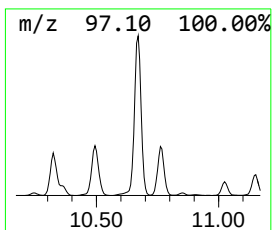
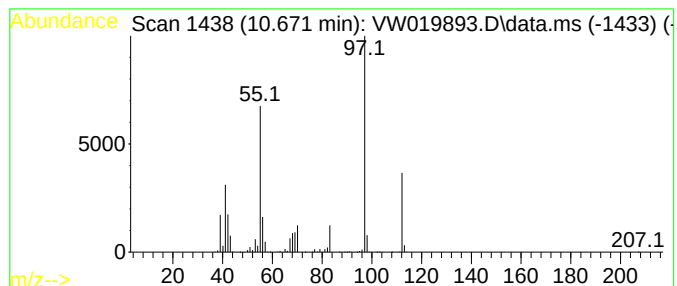
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic10.671 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.671	171.97 ug/L	6838290	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
3			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	83
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

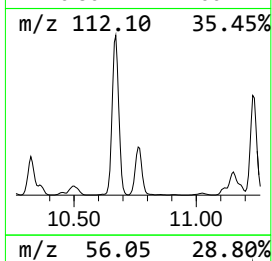
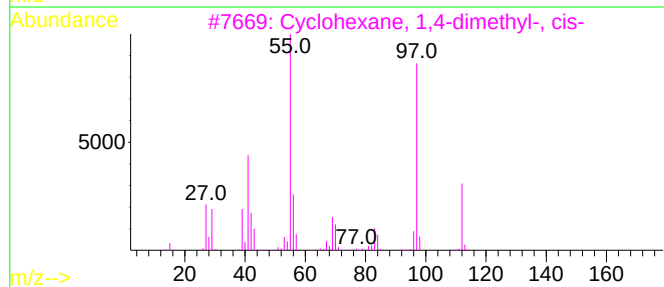
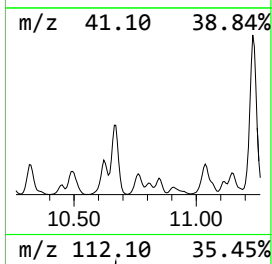
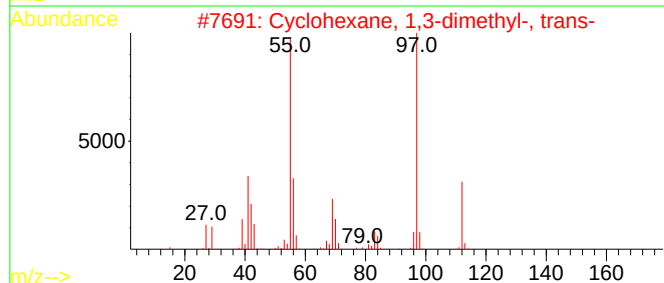
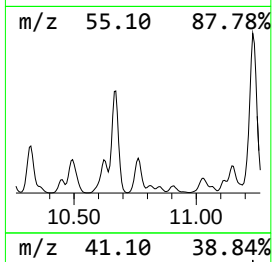
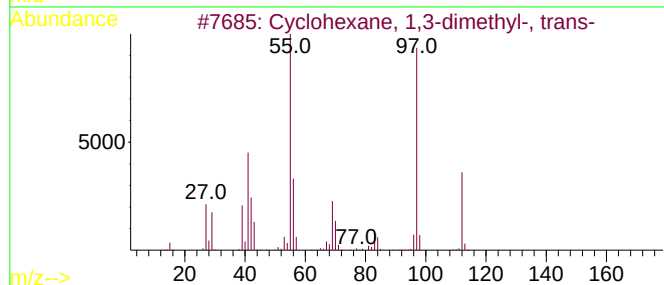
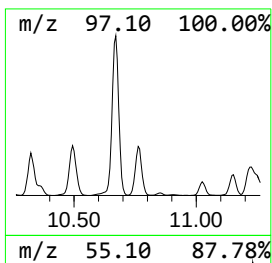
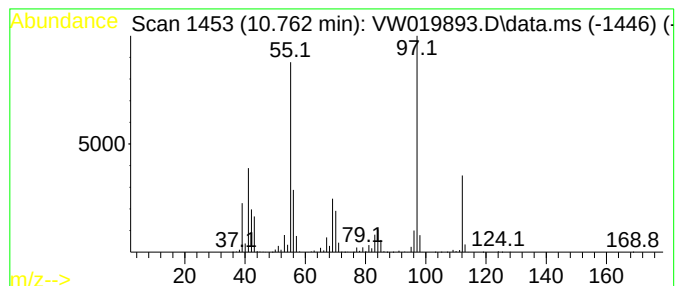
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Cyclic10.762 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	60.75 ug/L	2415830	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

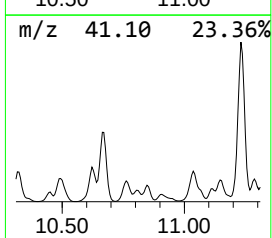
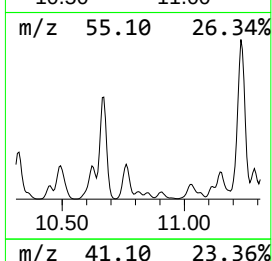
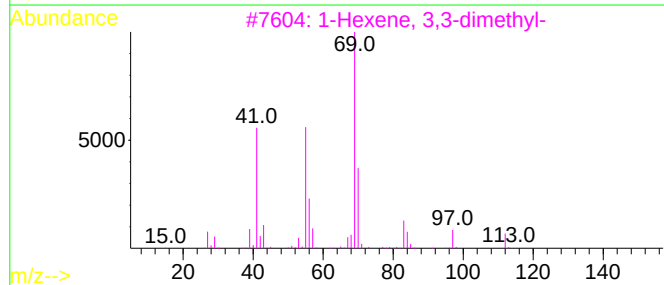
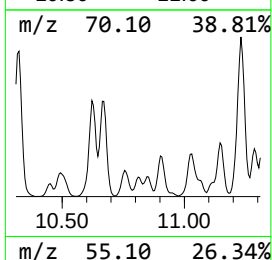
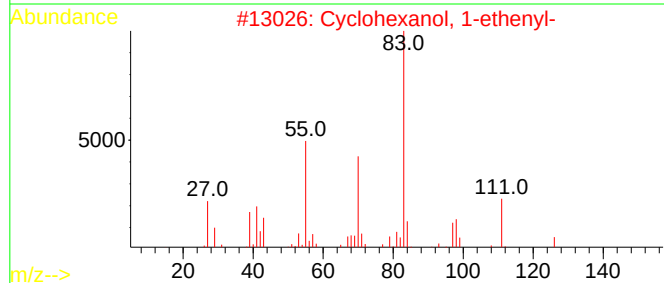
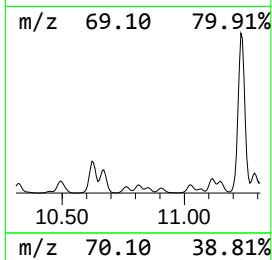
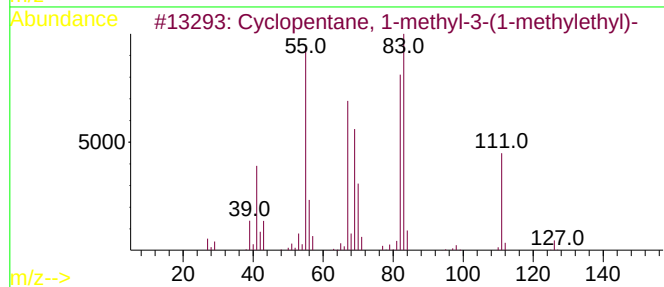
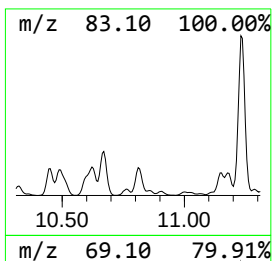
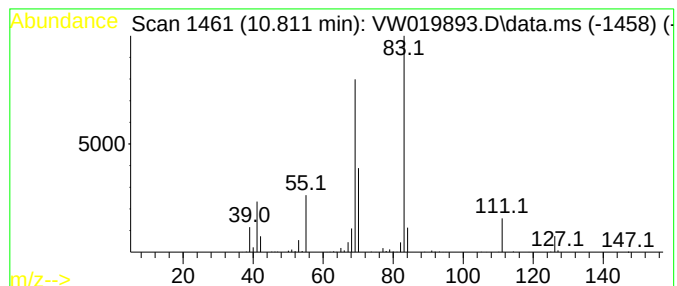
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Cyclic10.811 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.811	6.85 ug/L	272431	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	56
2			Cyclohexanol, 1-ethenyl-	126	C8H14O	001940-19-8	47
3			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
4			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	36
5			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	36



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

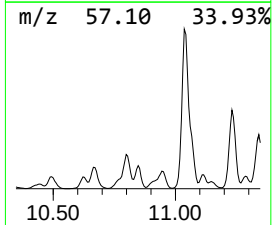
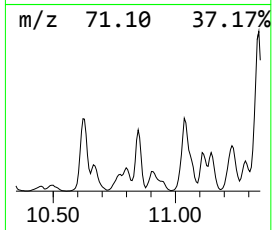
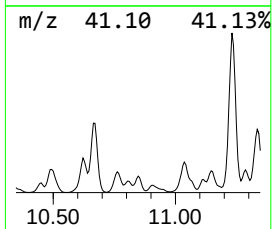
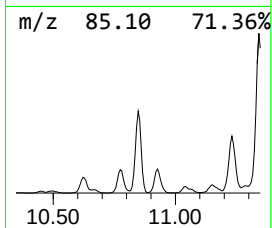
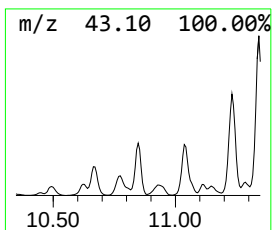
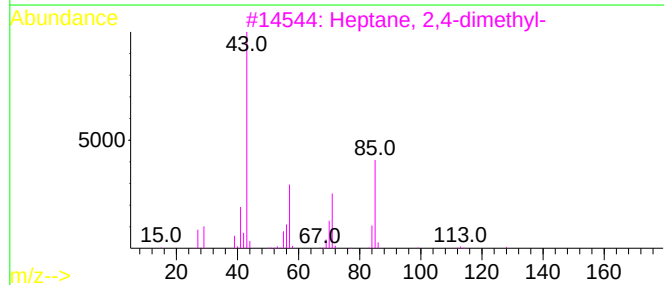
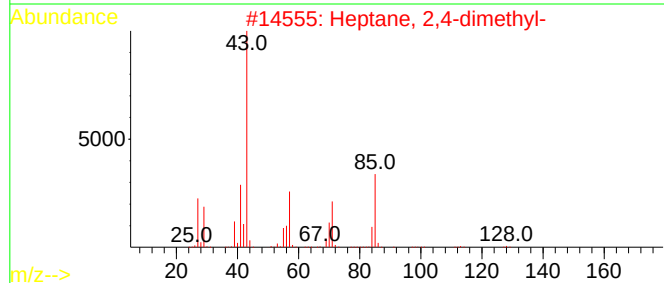
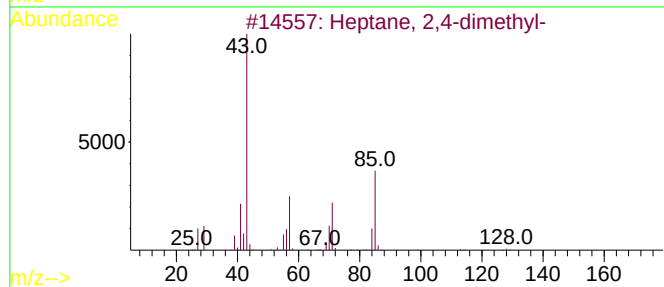
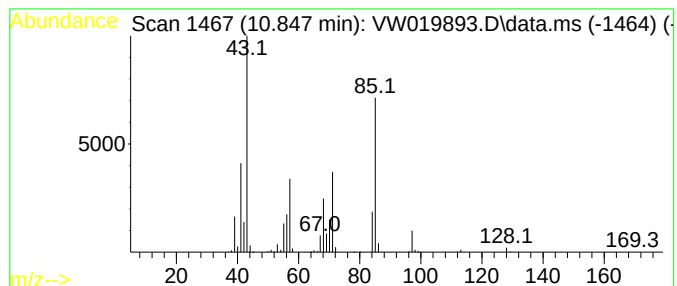
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.847	25.61 ug/L	1018250	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	76
2	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	76
3	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	60
4	Octane		114	C8H18	000111-65-9	59
5	Sulfurous acid, hexyl pentyl ester		236	C11H24O3S	1000309-14-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

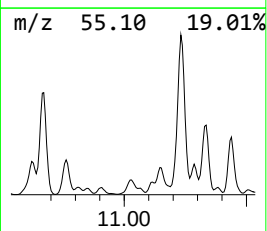
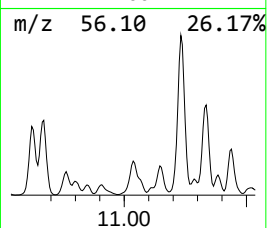
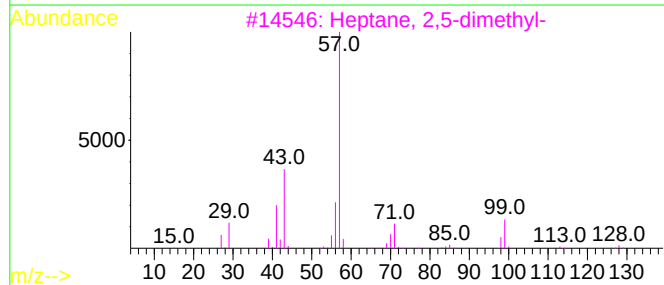
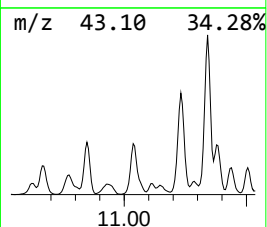
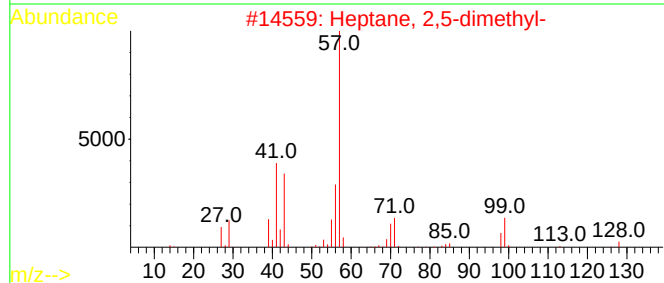
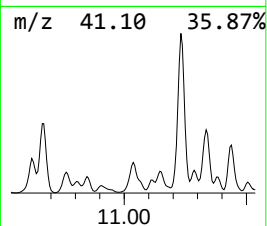
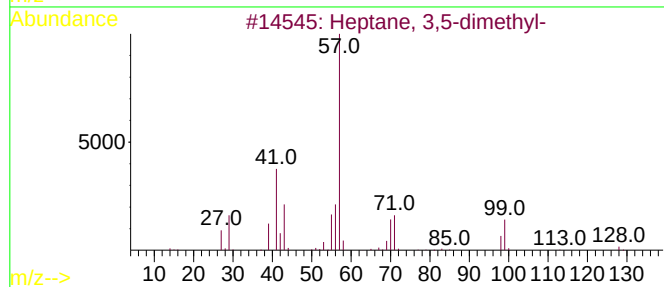
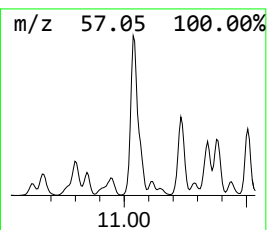
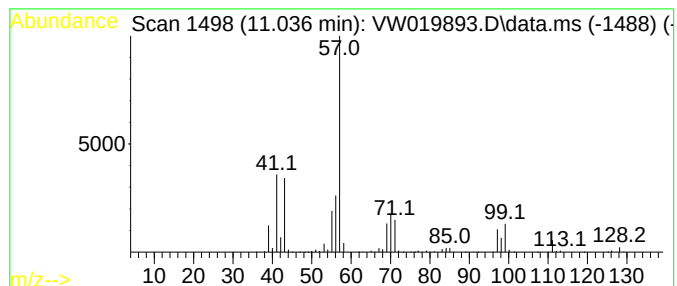
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	82.77 ug/L	3291190	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
4			Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	64
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

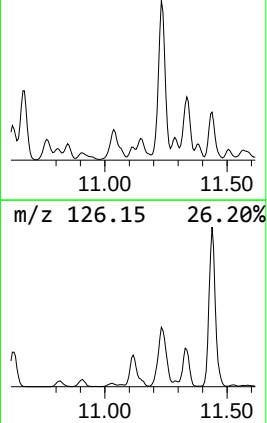
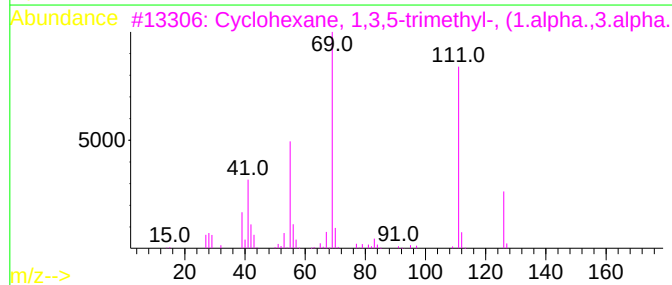
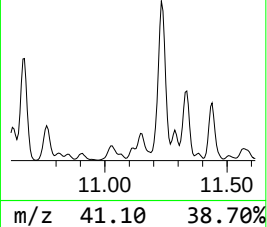
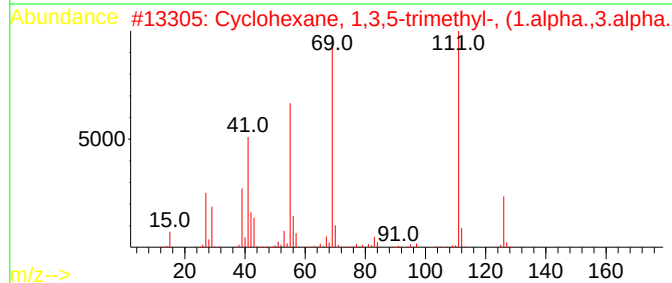
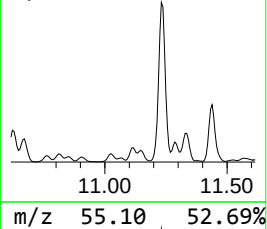
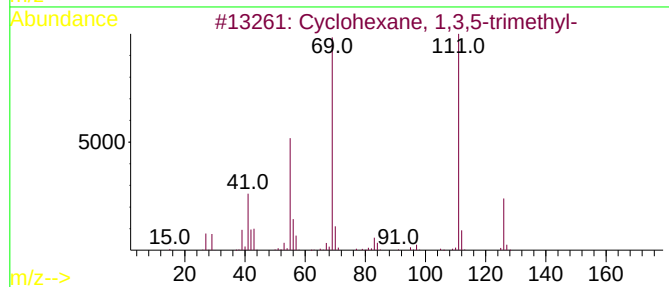
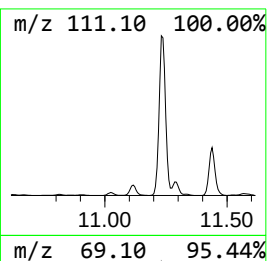
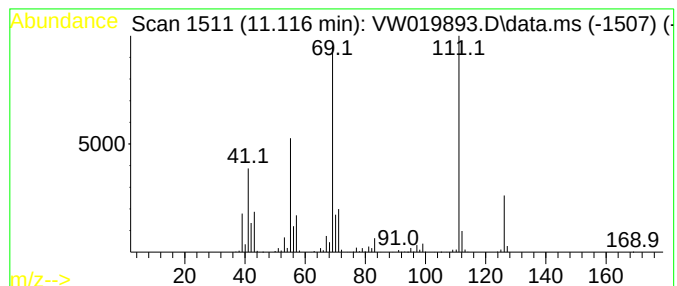
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Cyclic11.116 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	22.01 ug/L	875384	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

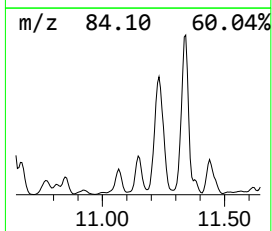
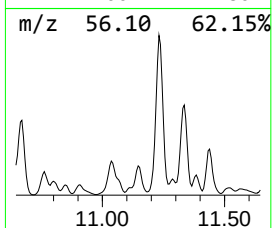
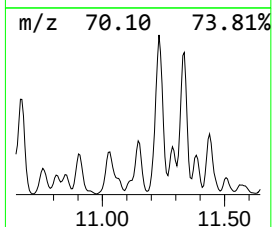
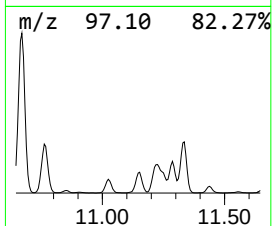
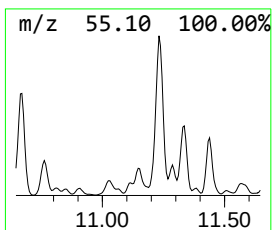
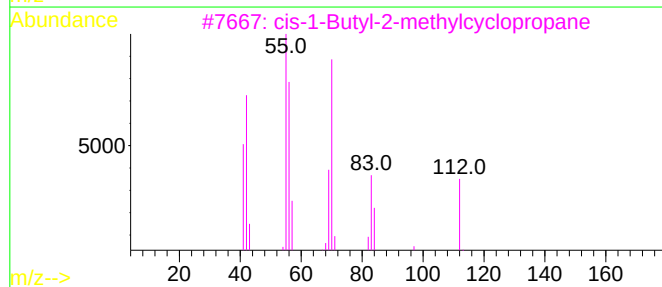
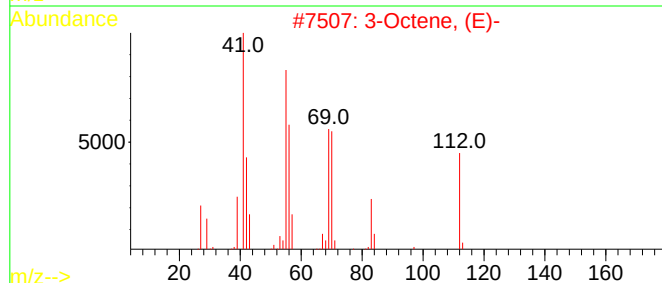
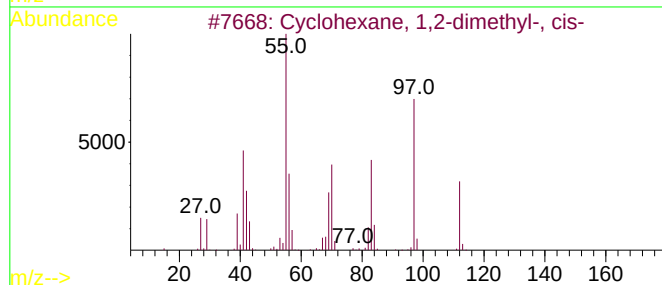
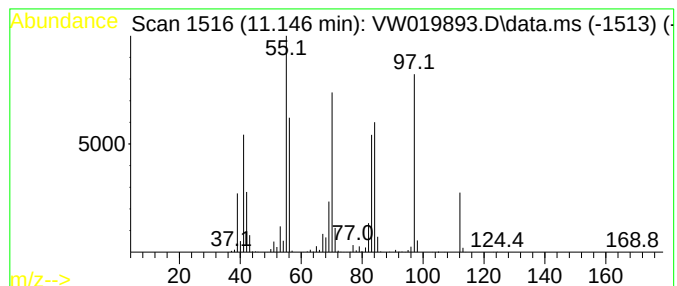
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Cyclic11.146 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	34.84 ug/L	1385390	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49
2		3-Octene, (E)-	112	C8H16	014919-01-8	49
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	43
4		2-Octene	112	C8H16	000111-67-1	38
5		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

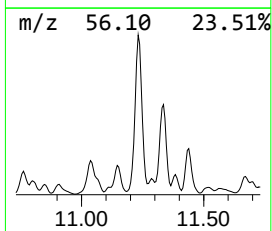
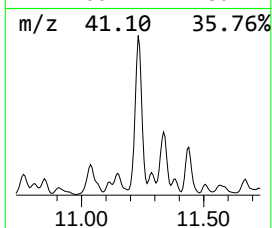
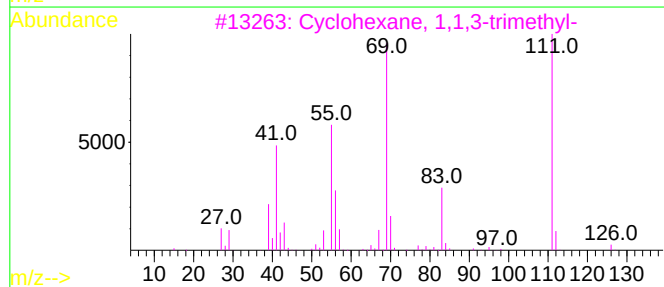
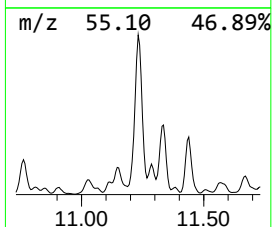
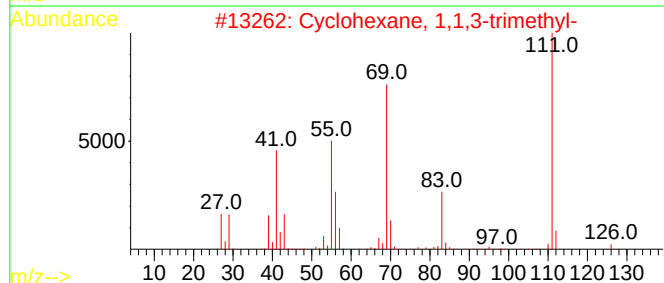
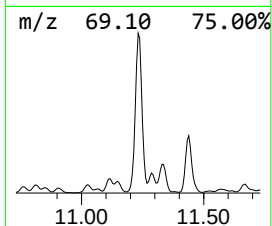
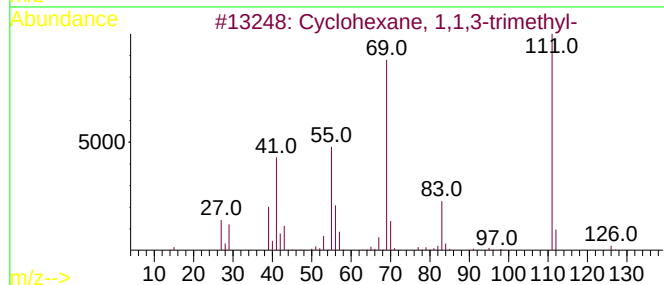
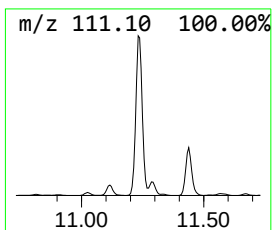
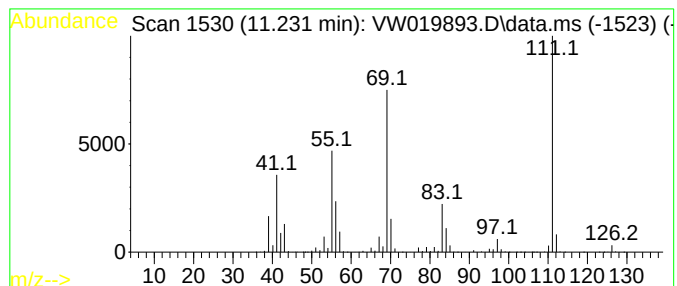
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Cyclic11.231 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	401.58 ug/L	15968500	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
5		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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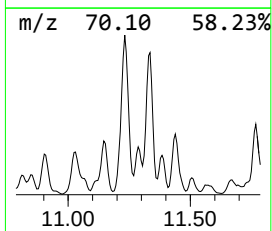
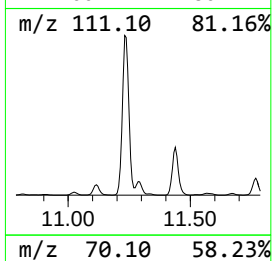
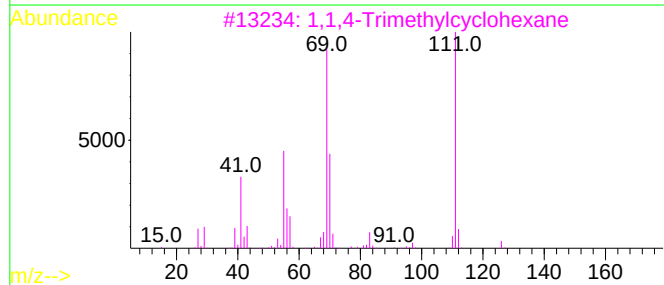
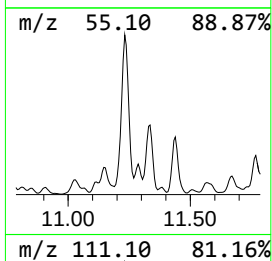
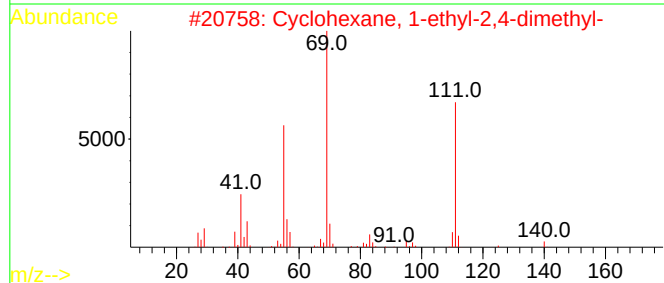
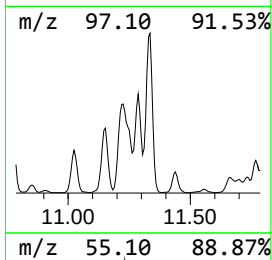
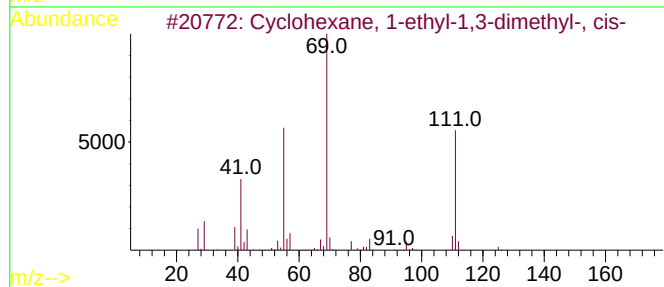
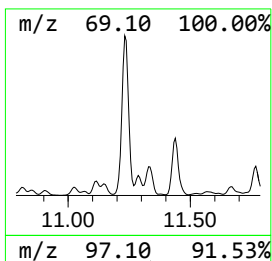
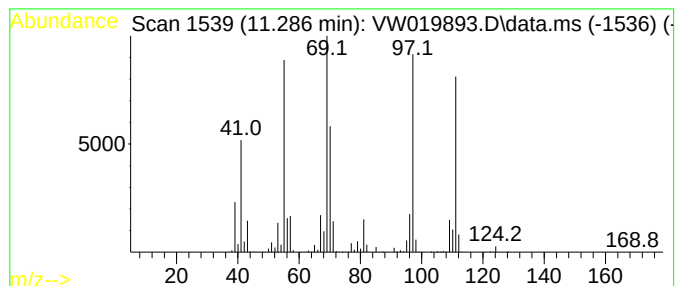
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Cyclic11.286 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	23.73 ug/L	943511	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	43
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
4			Cyclooctanemethanol	142	C9H18O	003637-63-6	43
5			2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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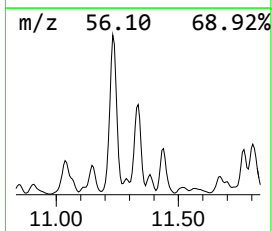
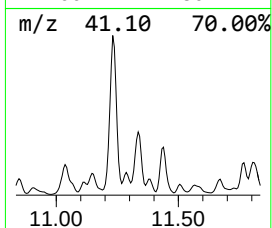
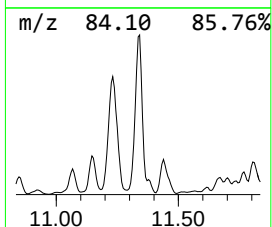
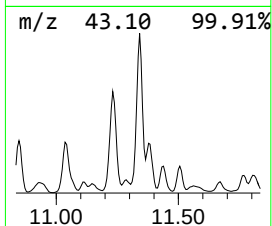
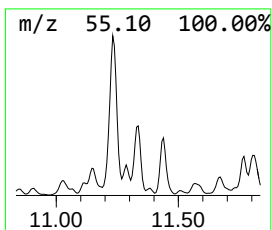
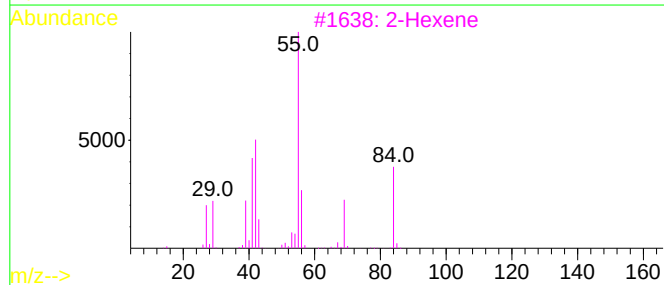
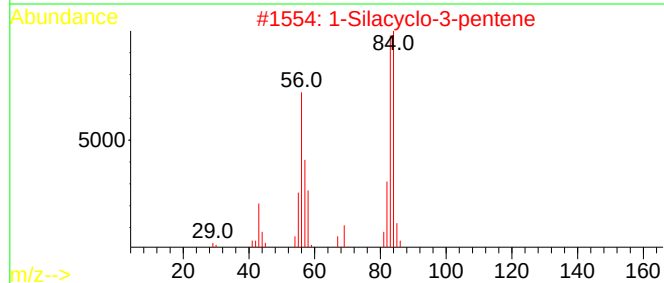
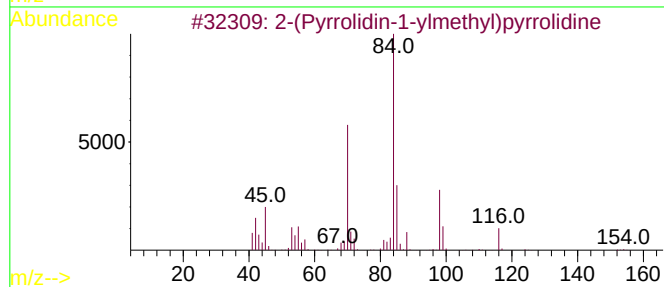
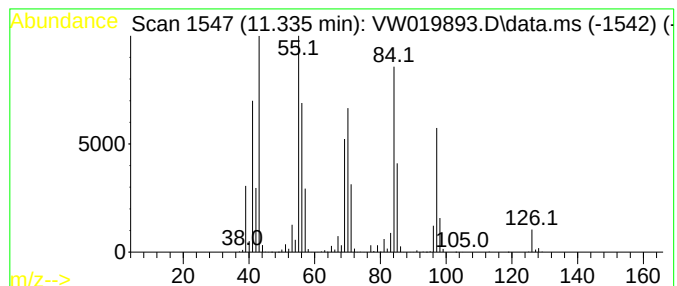
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	127.39 ug/L	5065350	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Pyrrolidin-1-ylmethyl)pyrroli...			154	C9H18N2	195311-28-5	35
2	1-Silacyclo-3-pentene			84	C4H8Si	007049-25-4	30
3	2-Hexene			84	C6H12	000592-43-8	30
4	Cyclohexane			84	C6H12	000110-82-7	30
5	Octane, 4-methyl-			128	C9H20	002216-34-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

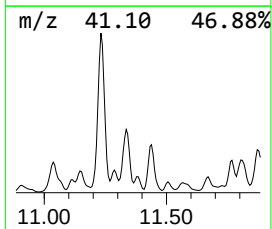
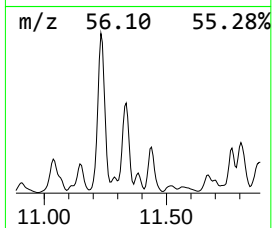
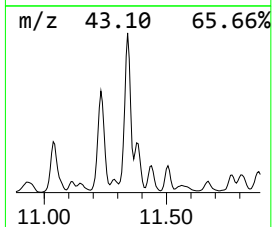
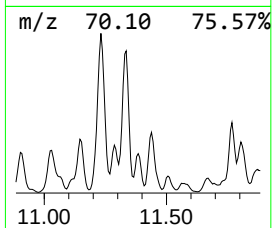
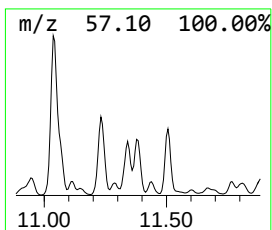
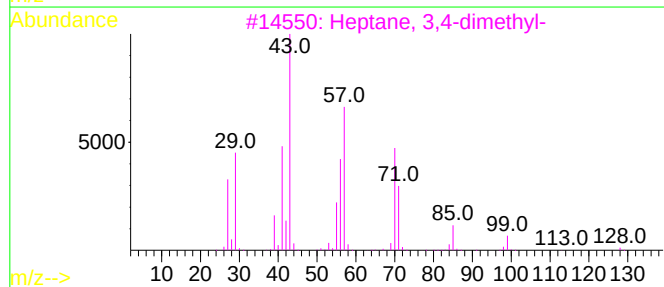
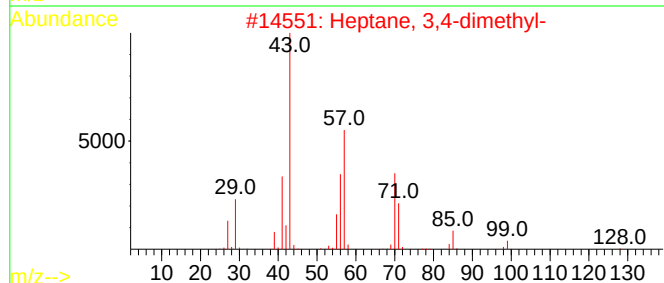
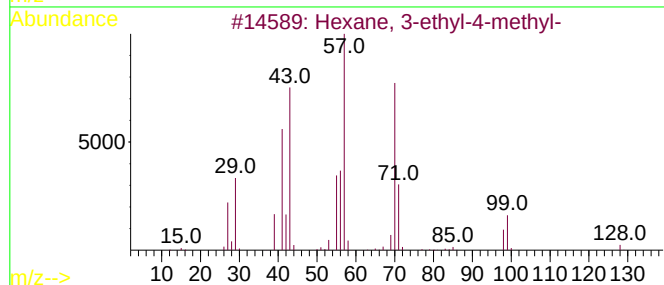
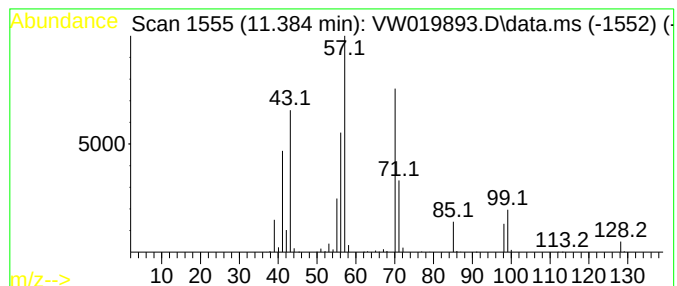
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.384	20.07 ug/L	797878	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
2			Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53
3			Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	47
4			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	47
5			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

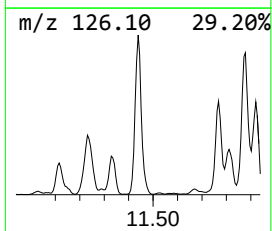
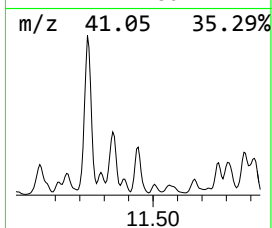
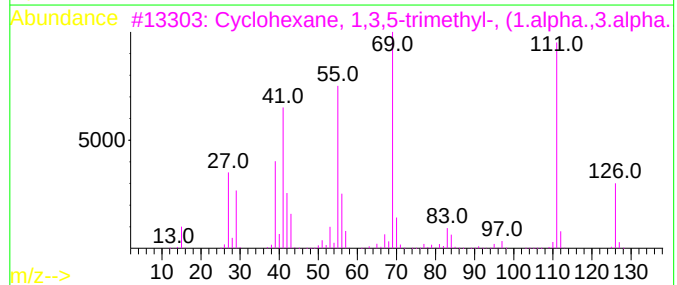
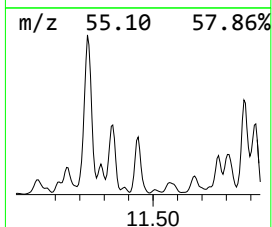
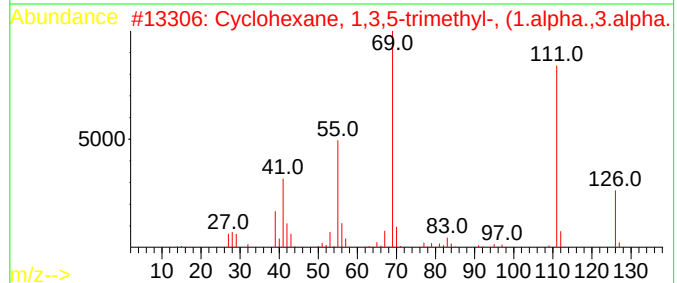
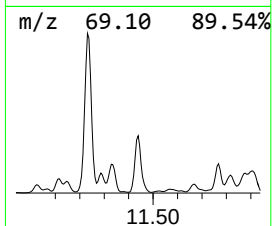
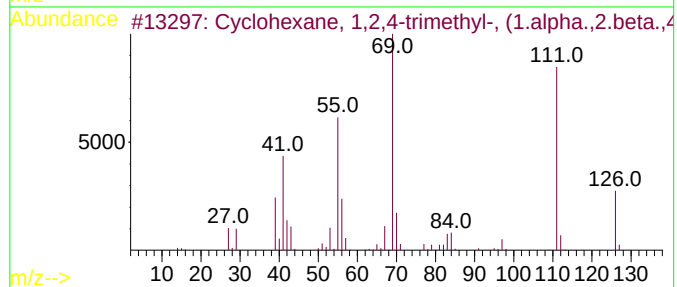
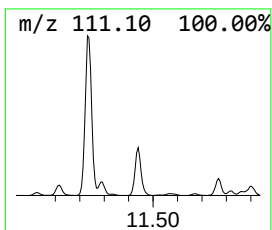
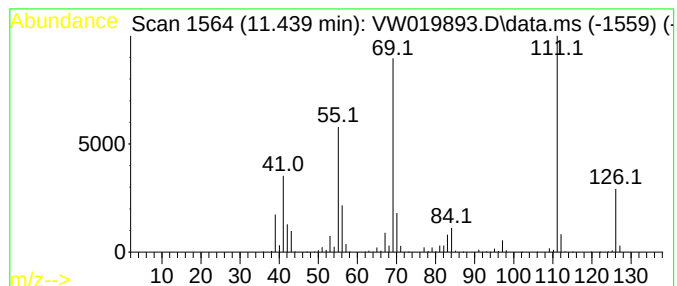
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic11.439 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	115.40 ug/L	4588800	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

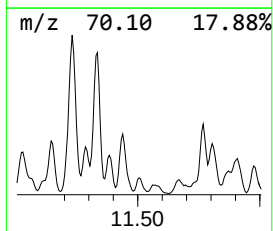
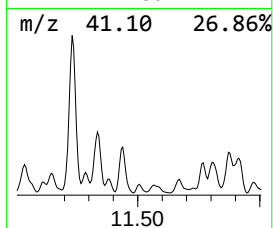
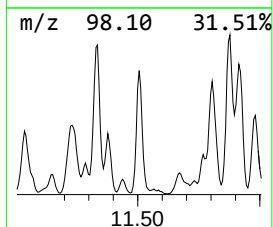
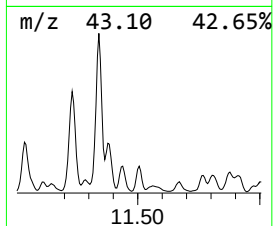
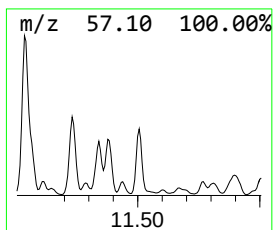
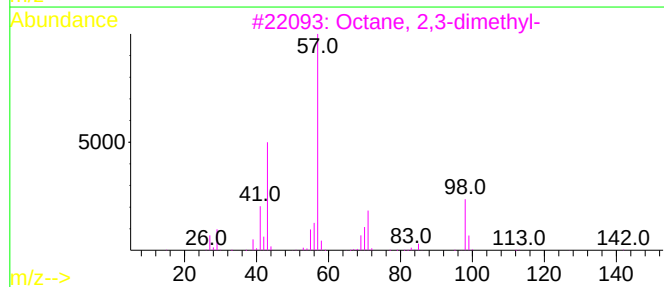
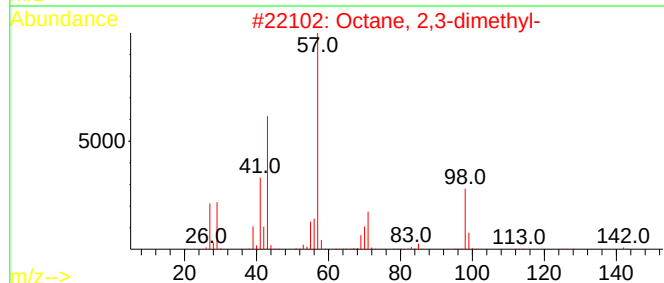
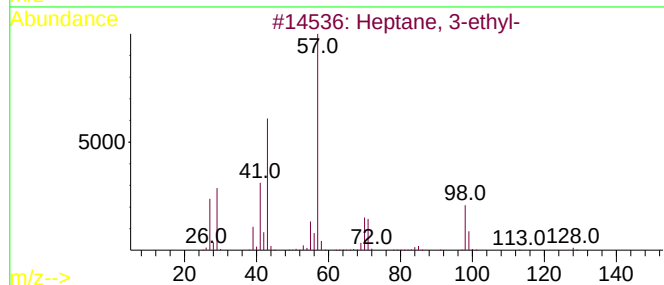
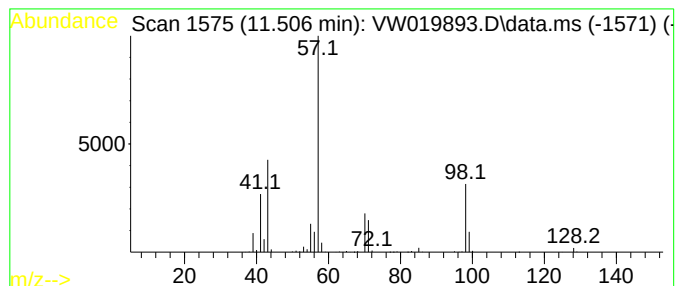
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.506	14.99 ug/L	596197	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-	128	C9H20	015869-80-4	91
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	78
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	74
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
5		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

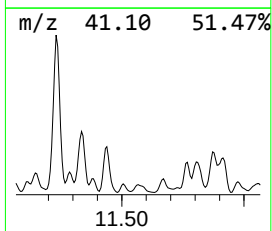
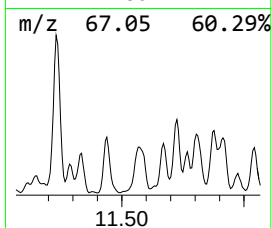
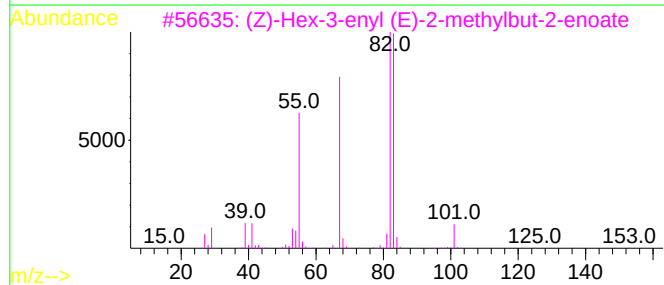
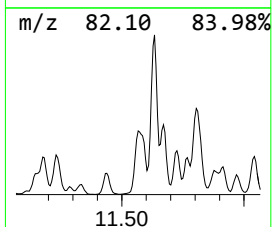
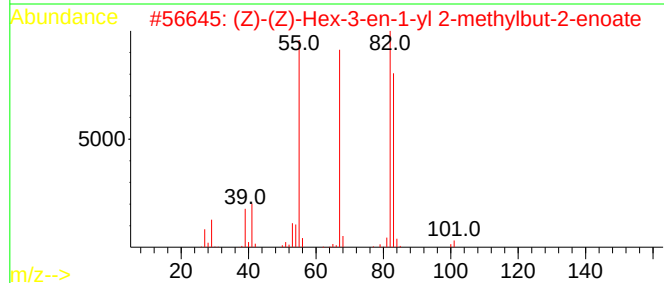
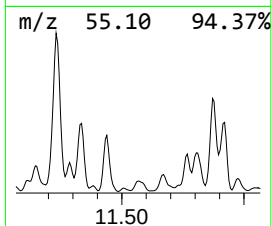
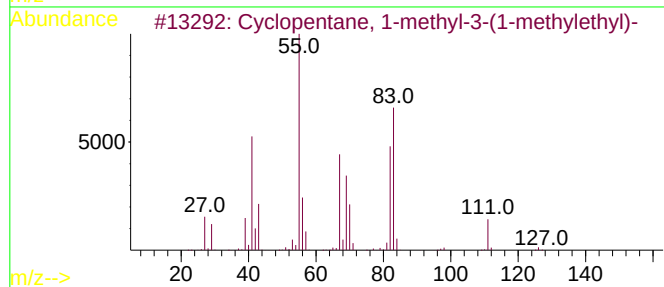
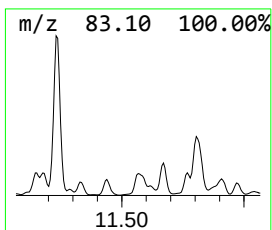
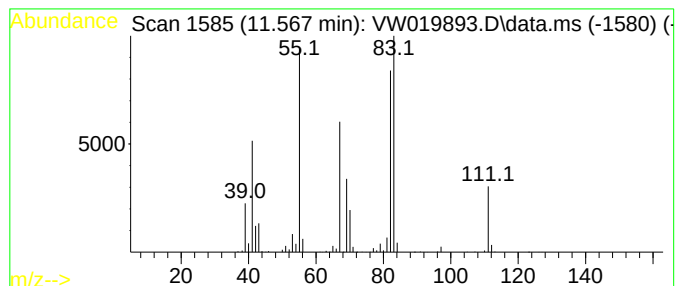
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 (DEL) Alkane: Cyclic11.567 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.567	20.07 ug/L	797924	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	56
2			(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	50
3			(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	45
4			(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	120603-00-1	45
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

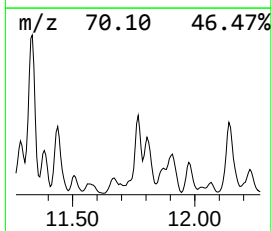
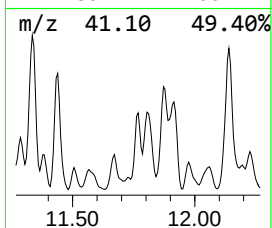
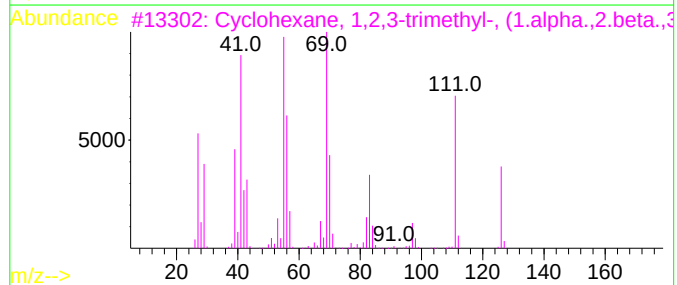
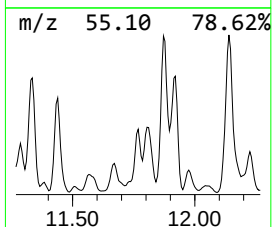
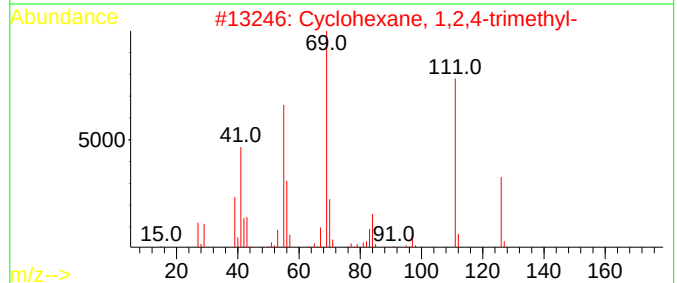
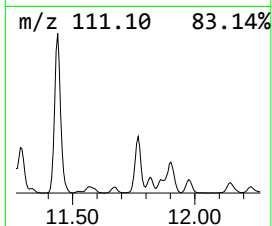
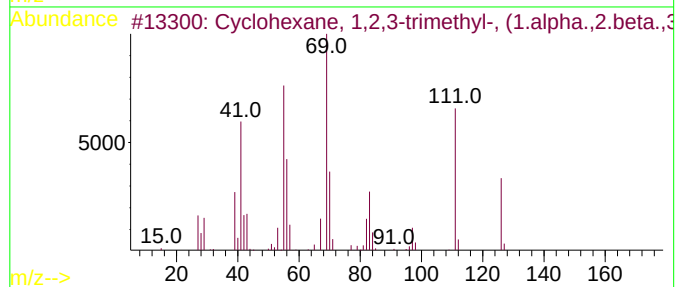
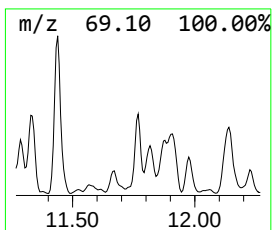
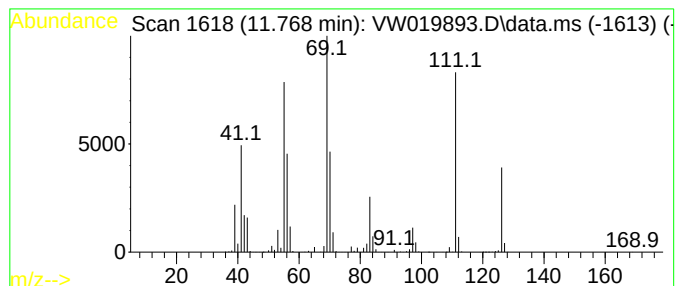
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 (DEL) Alkane: Cyclic11.768 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	55.42 ug/L	2203710	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	80
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

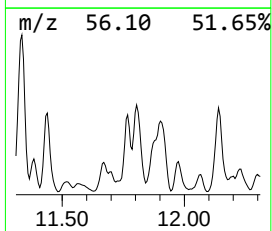
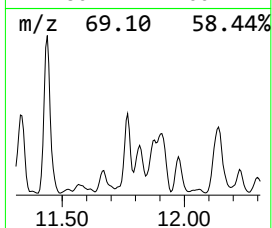
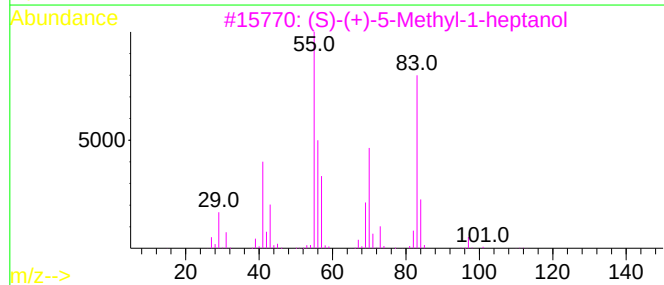
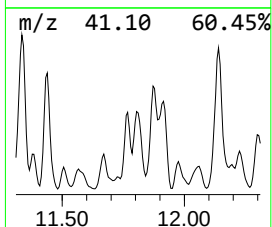
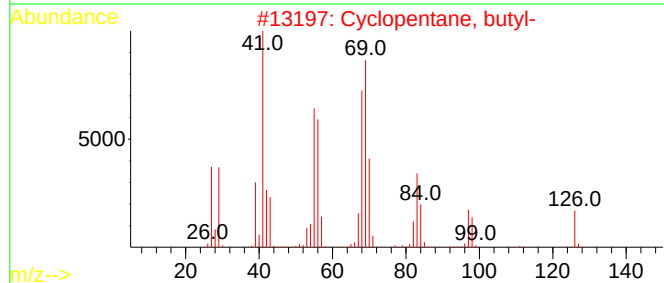
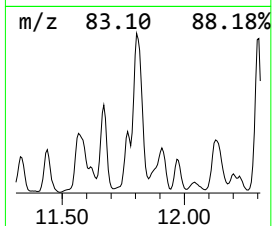
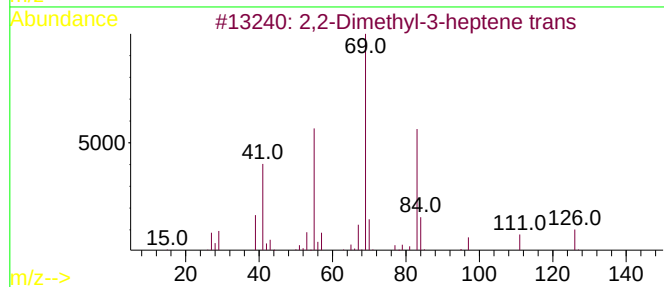
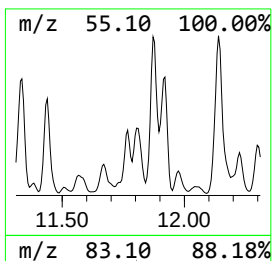
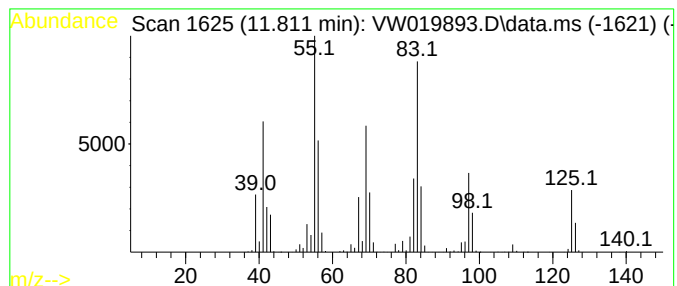
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.811	63.30 ug/L	2516910	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	46
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	45
3	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	43
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	30
5	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

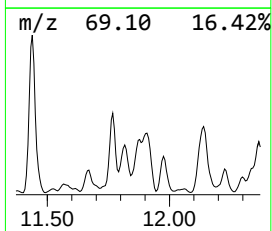
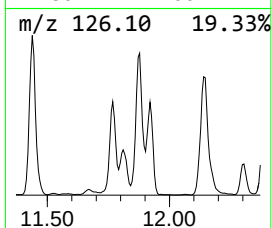
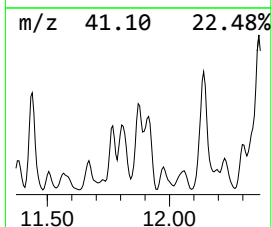
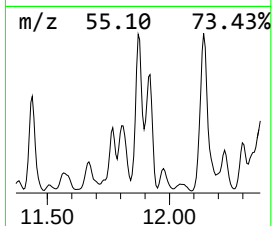
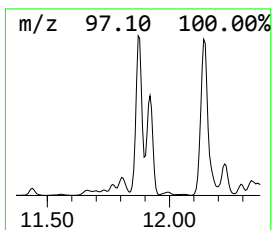
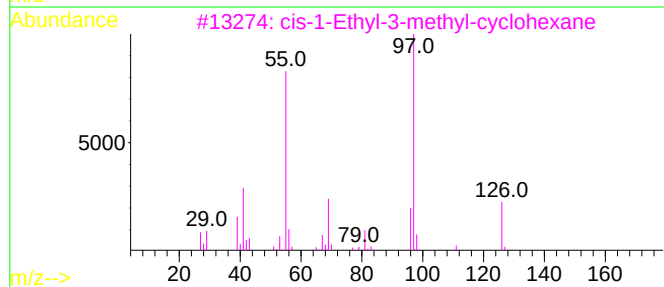
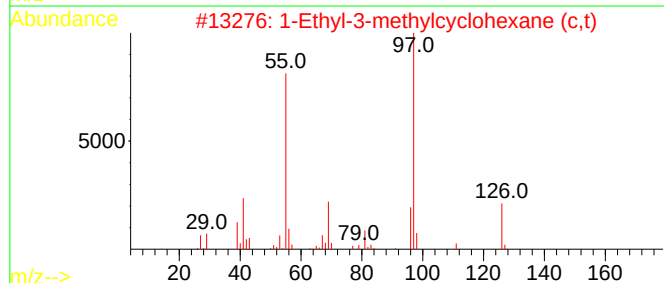
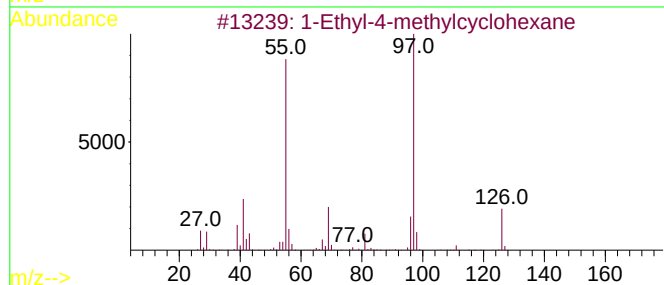
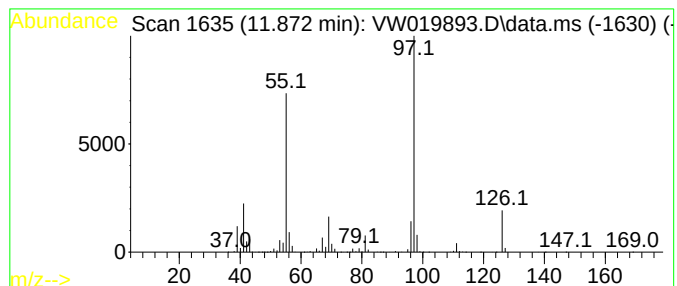
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 (DEL) Alkane: Cyclic11.871 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	109.27 ug/L	4345020	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	94
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

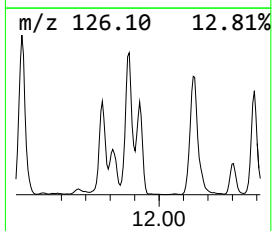
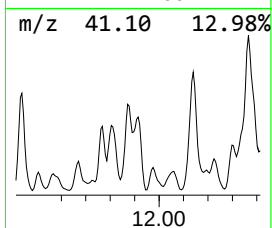
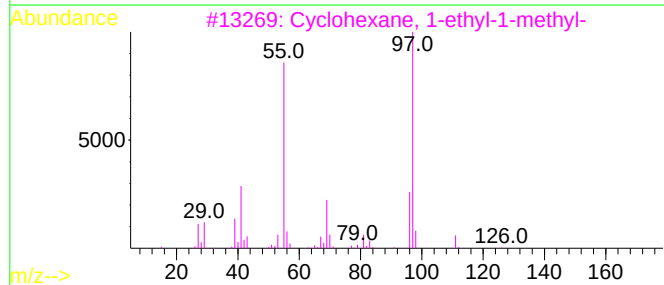
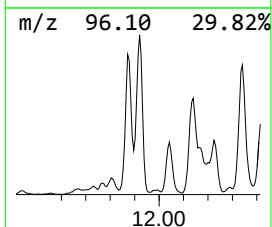
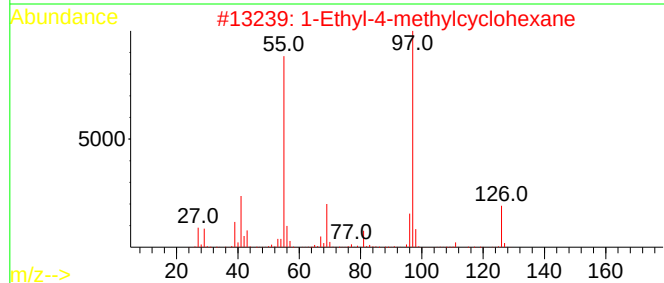
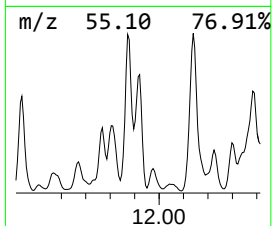
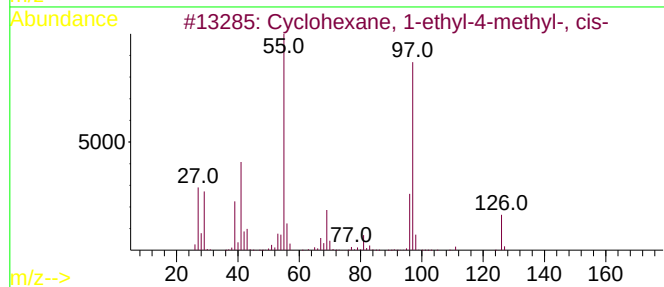
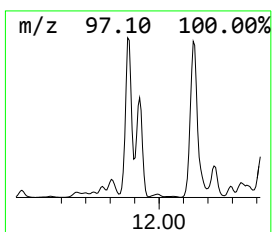
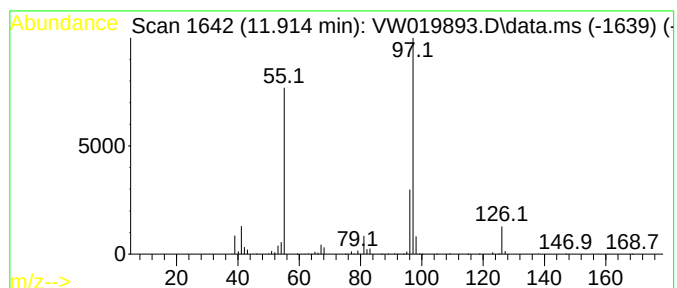
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Cyclic11.914 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	89.89 ug/L	3574380	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
4			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	72
5			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

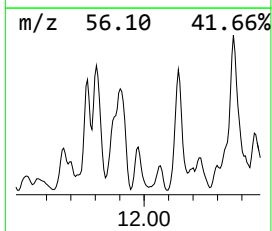
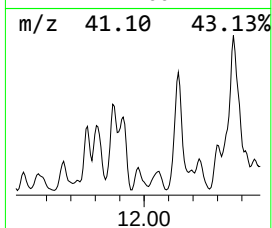
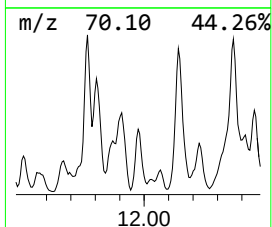
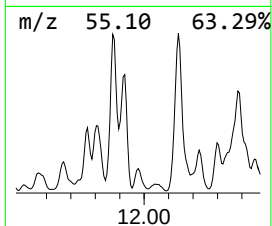
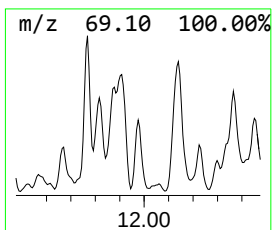
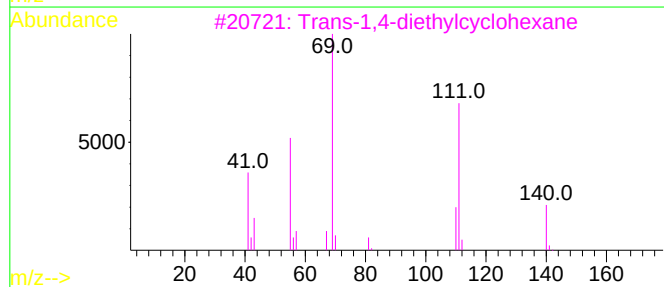
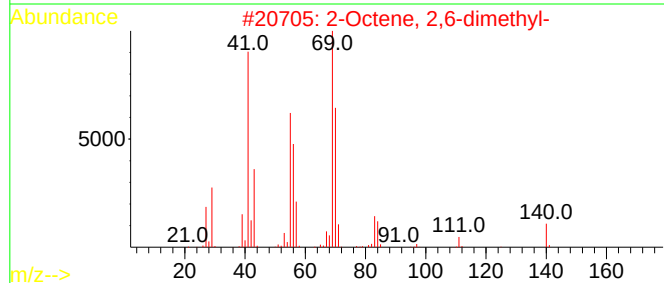
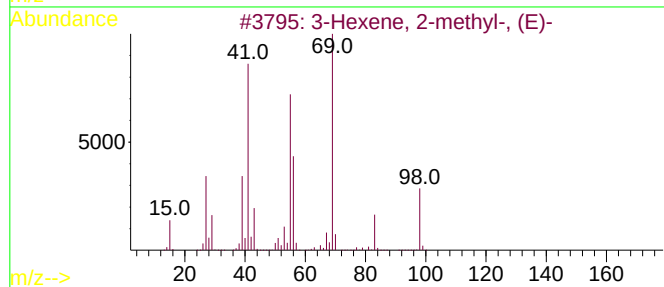
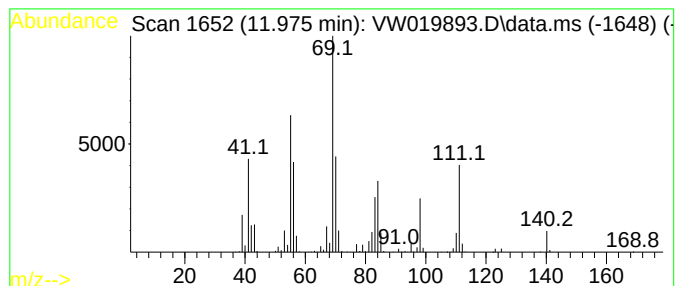
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.975	29.02 ug/L	1154080	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	45
4	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43
5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

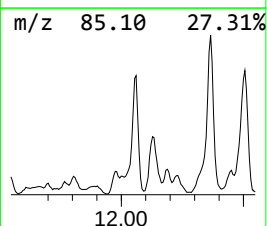
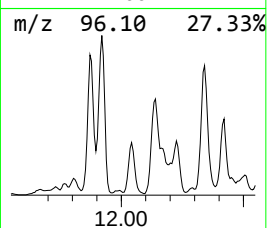
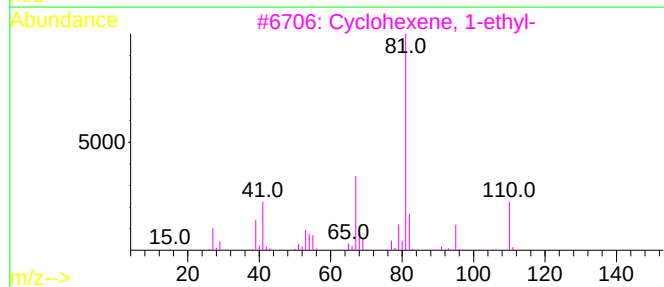
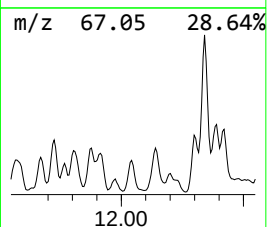
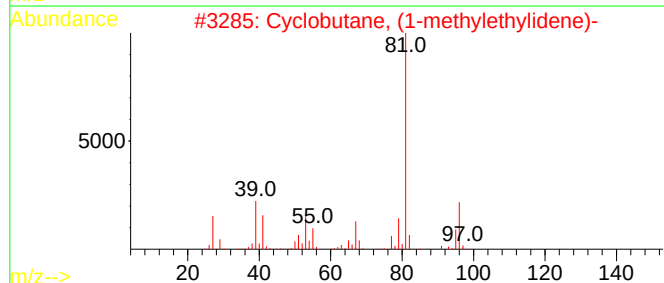
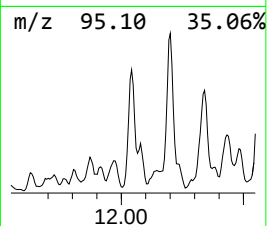
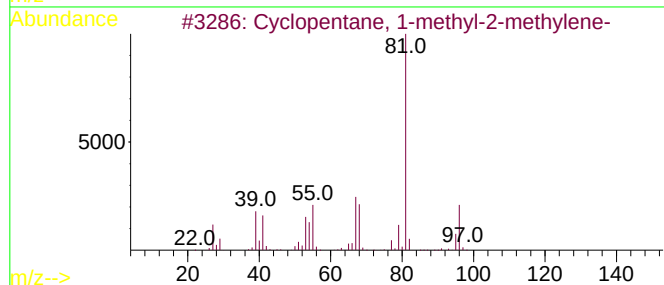
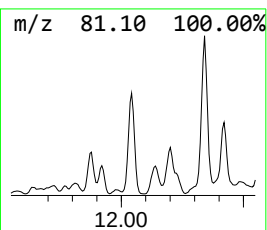
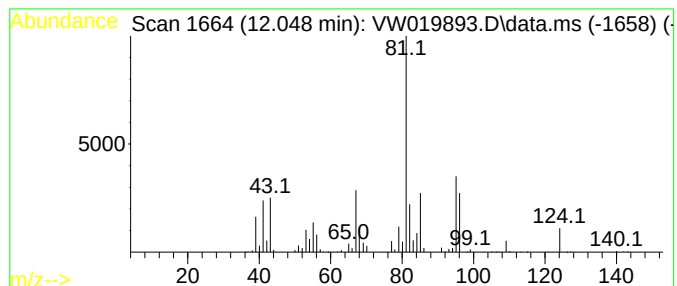
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	36.31 ug/L	1443820	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	47
2			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	47
3			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43
4			2-n-Butyl furan	124	C8H12O	004466-24-4	43
5			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

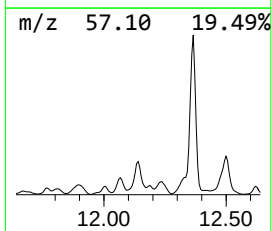
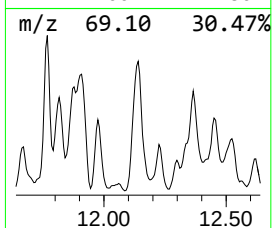
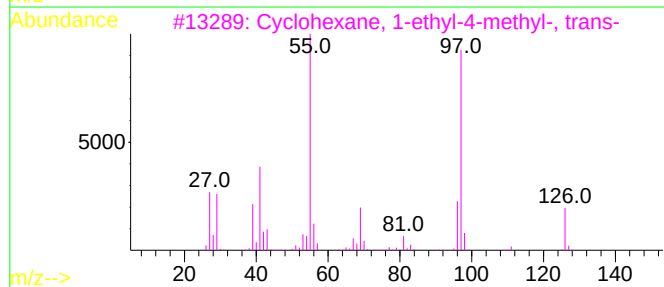
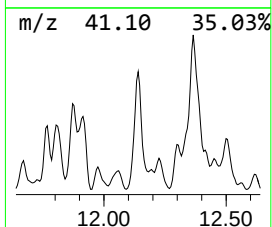
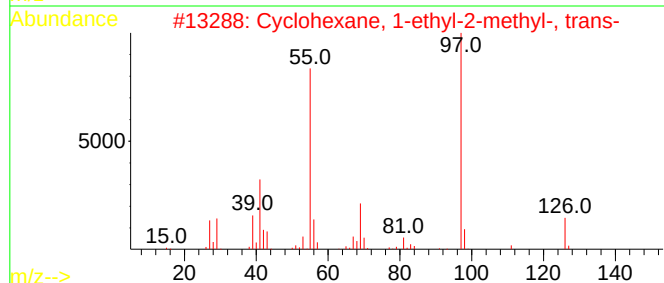
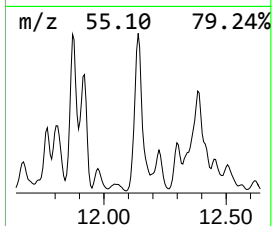
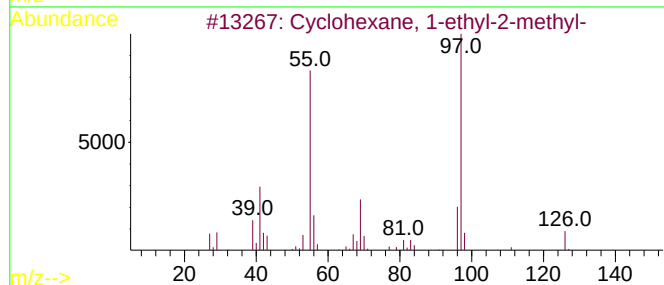
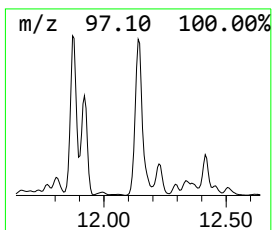
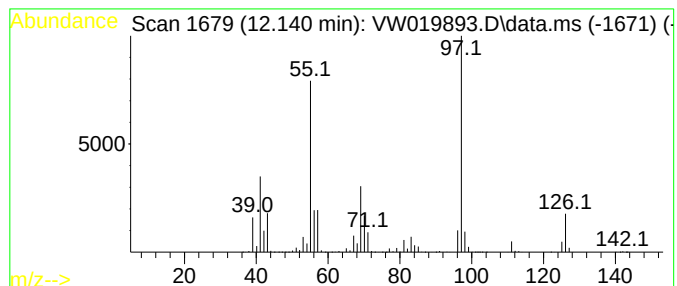
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Cyclic12.140 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	177.06 ug/L	7040500	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

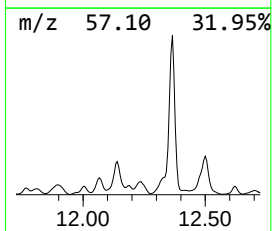
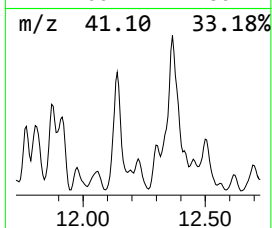
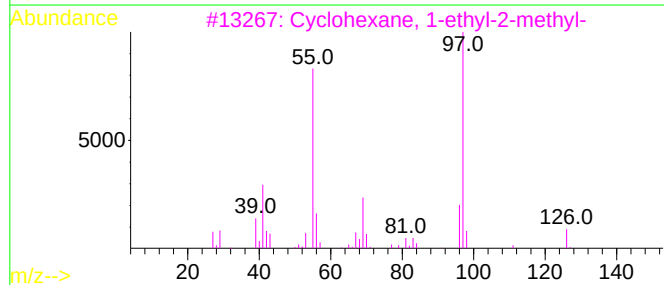
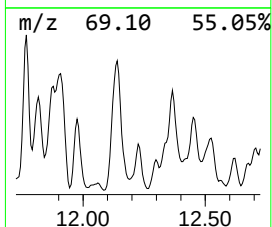
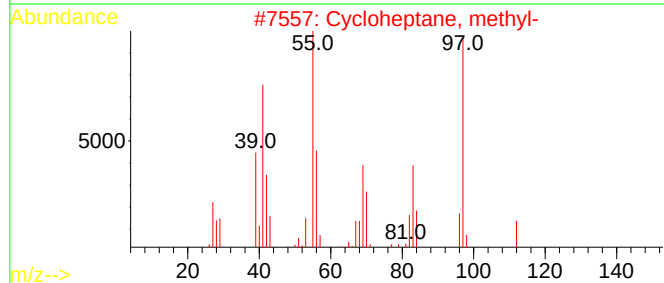
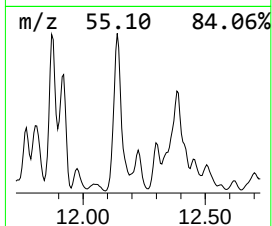
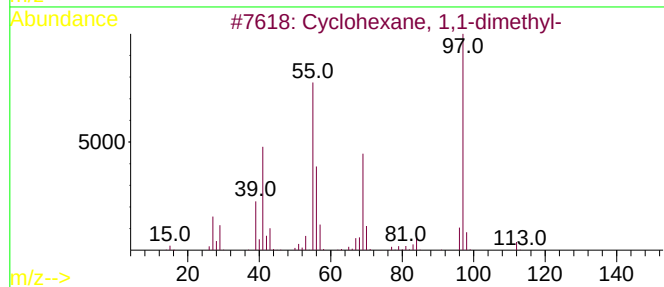
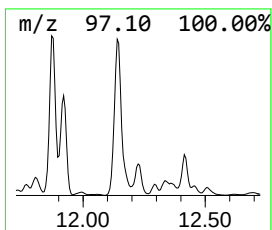
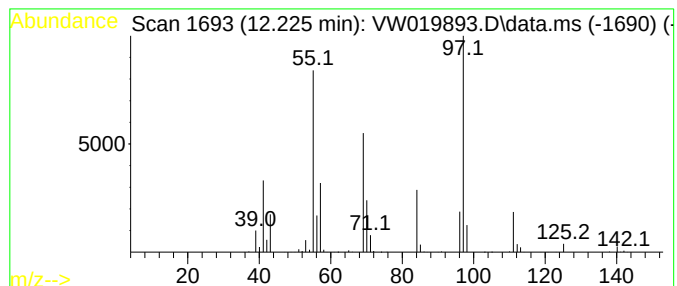
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 (DEL) Alkane: Cyclic12.225 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.225	40.77 ug/L	1621150	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
2			Cycloheptane, methyl-	112	C8H16	004126-78-7	59
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

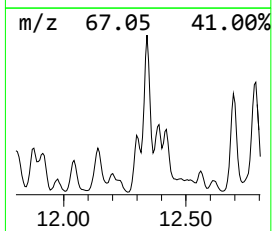
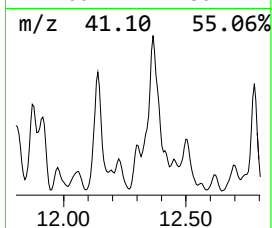
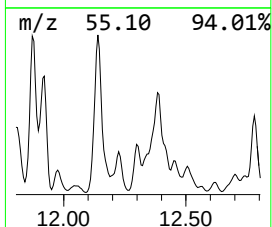
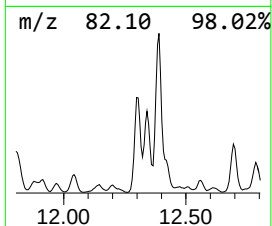
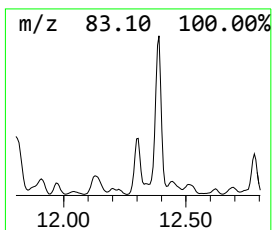
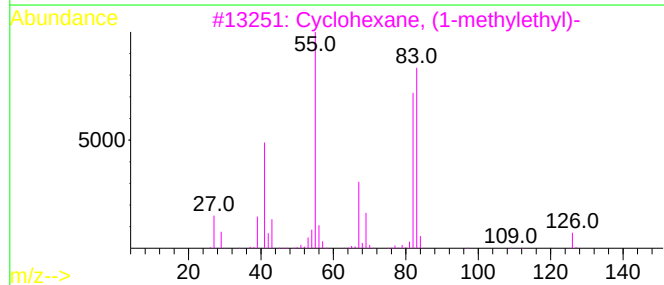
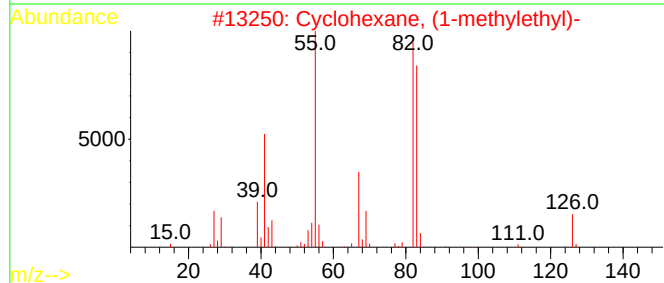
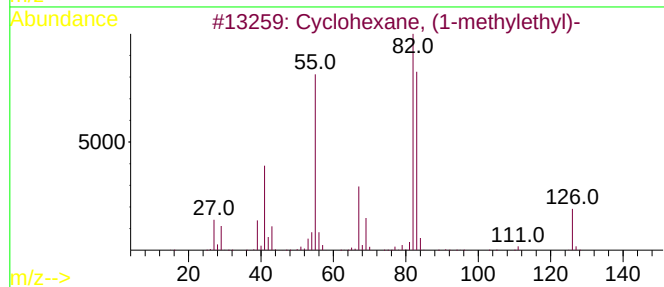
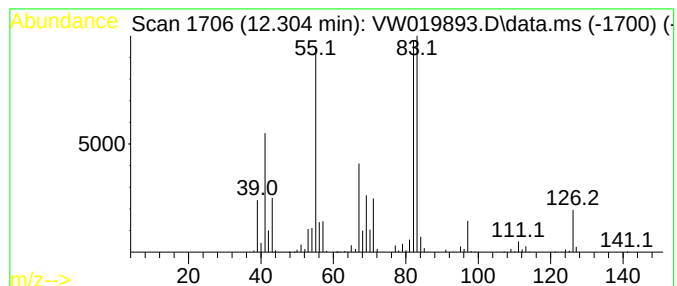
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Cyclic12.304 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	50.17 ug/L	1994770	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

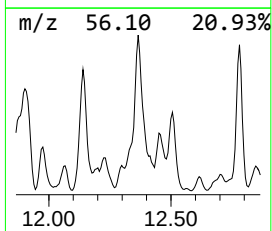
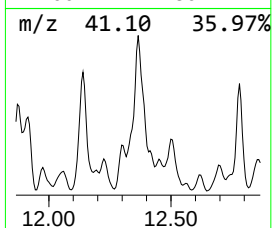
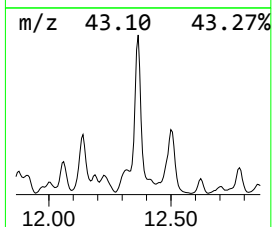
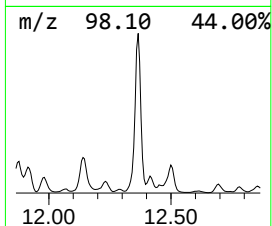
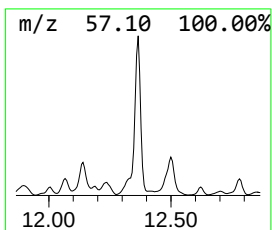
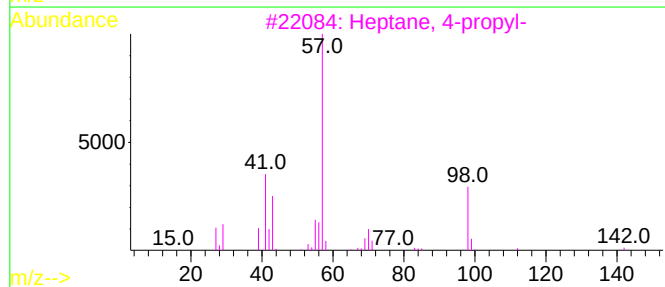
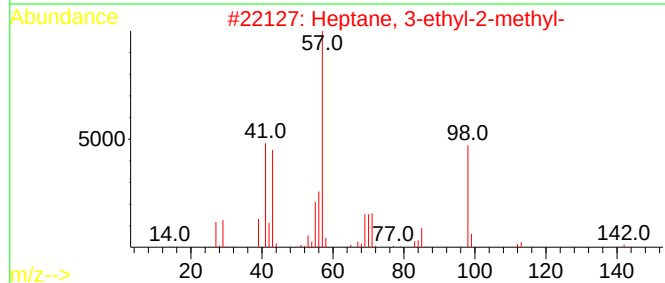
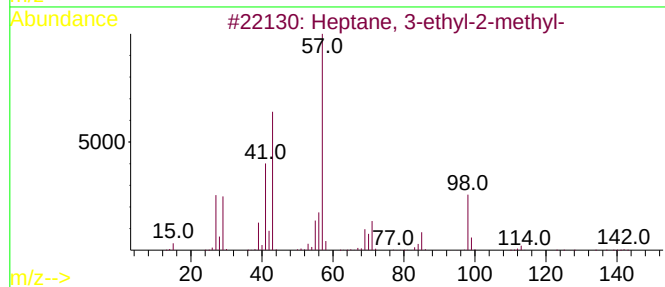
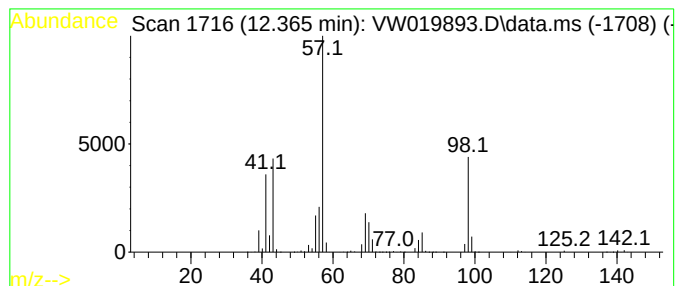
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.365	162.12 ug/L	6446600	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	83
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	64
3	Heptane, 4-propyl-		142	C10H22	003178-29-8	59
4	Ether, tert-butyl isopropylidene...		154	C10H18O	024524-56-9	50
5	Heptane, 4-(1-methylethyl)-		142	C10H22	052896-87-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

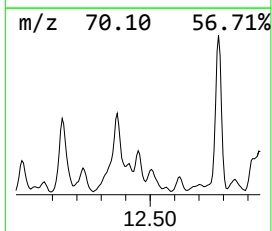
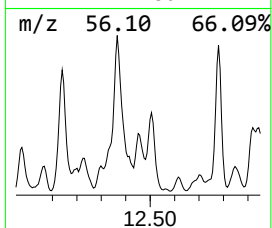
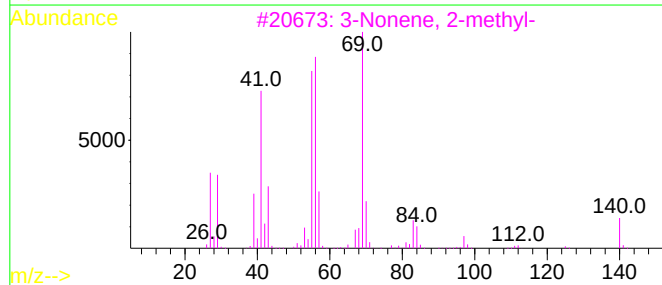
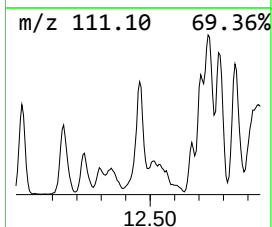
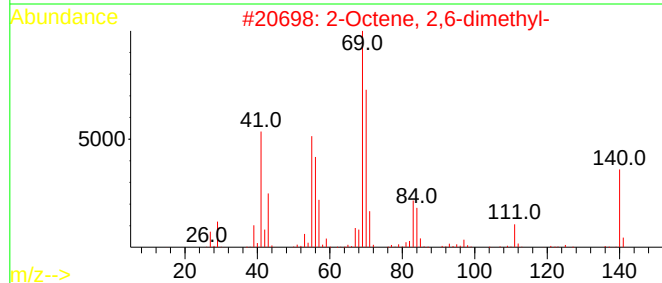
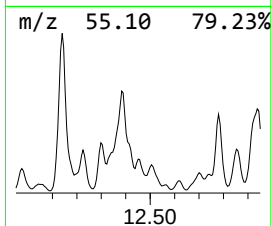
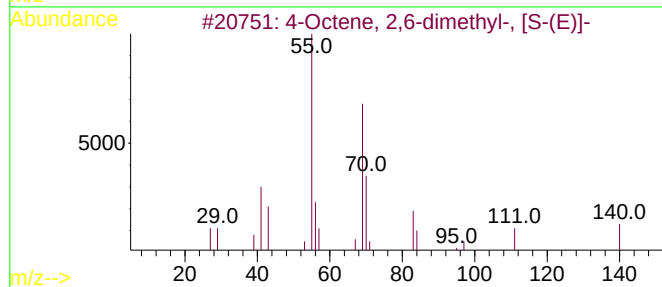
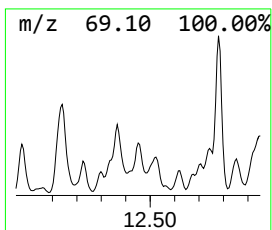
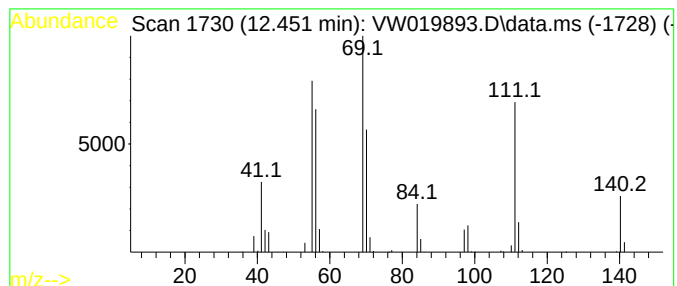
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	20.16 ug/L	801783	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	72
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	59
3		3-Nonene, 2-methyl-	140	C10H20	053966-53-3	53
4		2,5-Dibora-1,4-dioxane, 2,3,5-tr...	210	C11H24B2O2	1000161-22-1	50
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

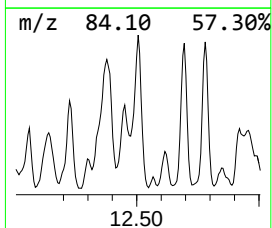
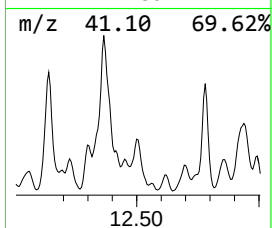
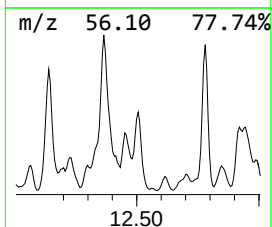
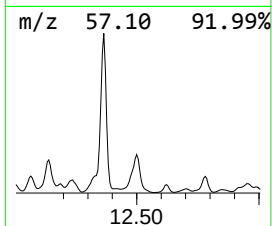
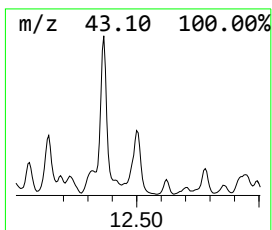
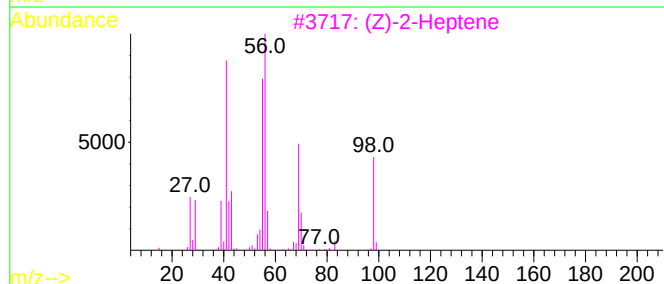
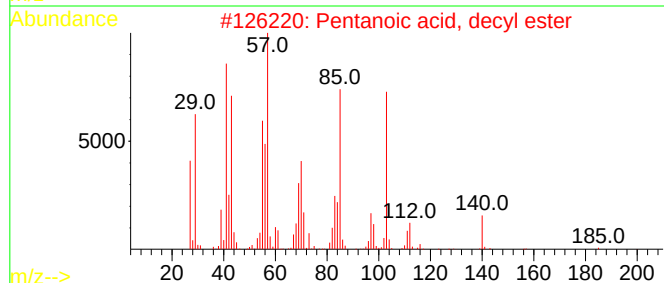
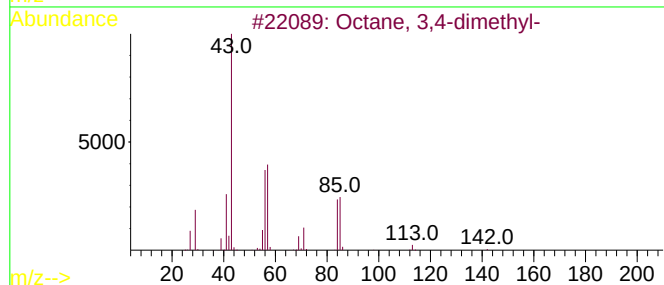
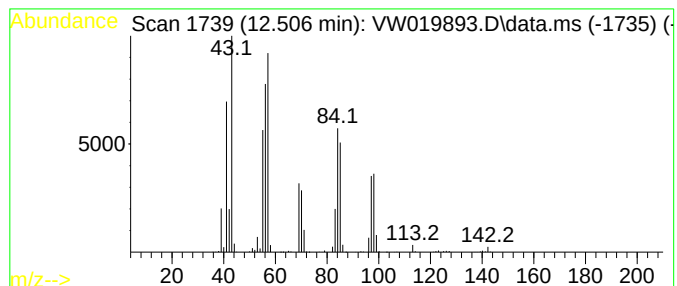
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.506	48.22 ug/L	1917610	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	58
2			Pentanoic acid, decyl ester	242	C15H30O2	005454-12-6	43
3			(Z)-2-Heptene	98	C7H14	006443-92-1	43
4			(Z)-2-Heptene	98	C7H14	006443-92-1	43
5			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

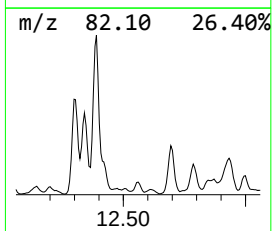
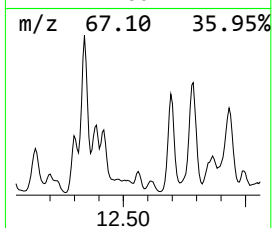
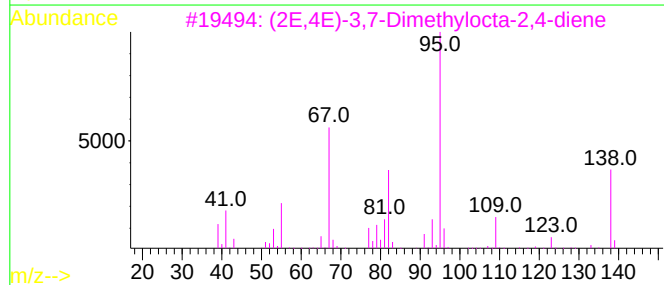
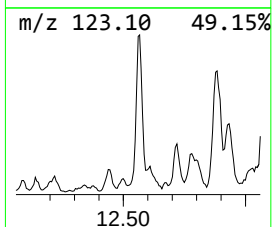
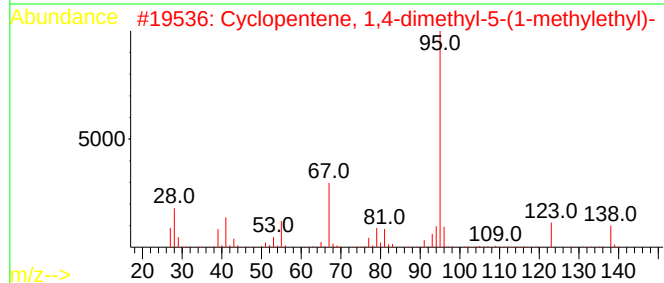
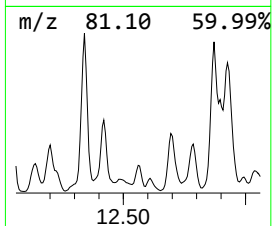
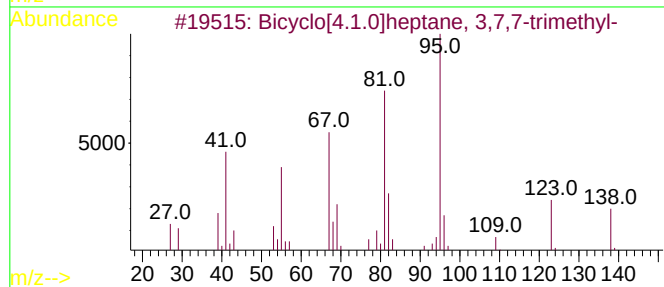
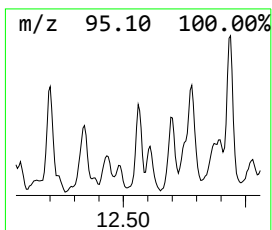
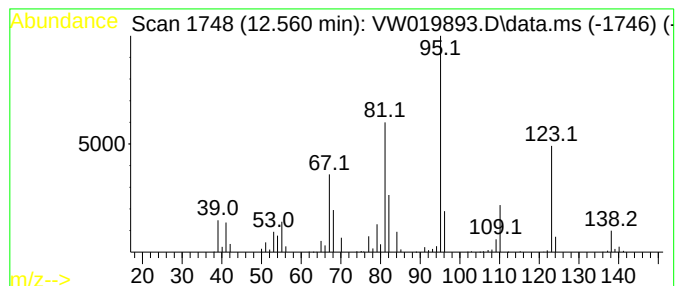
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.560	8.97 ug/L	356881	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	58
2			Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	46
3			(2E,4E)-3,7-Dimethylocta-2,4-diene	138	C10H18	006874-39-1	43
4			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
5			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

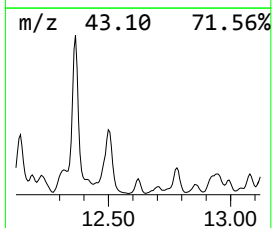
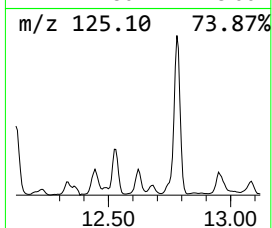
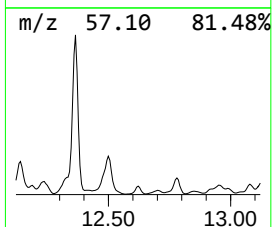
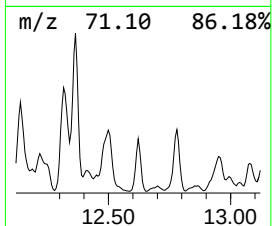
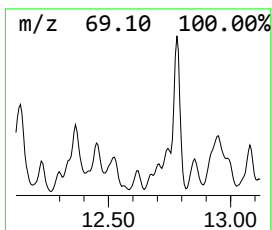
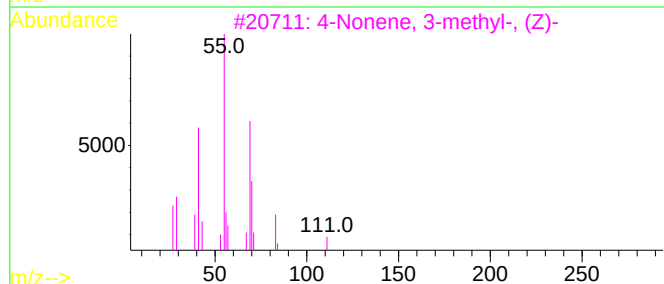
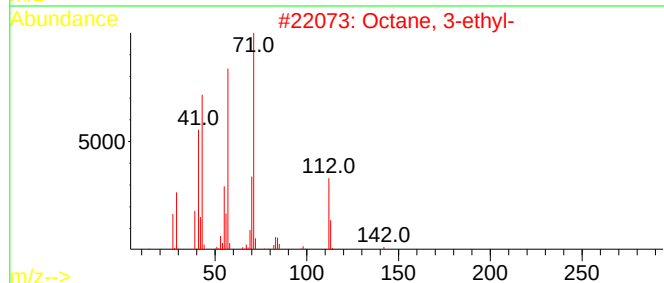
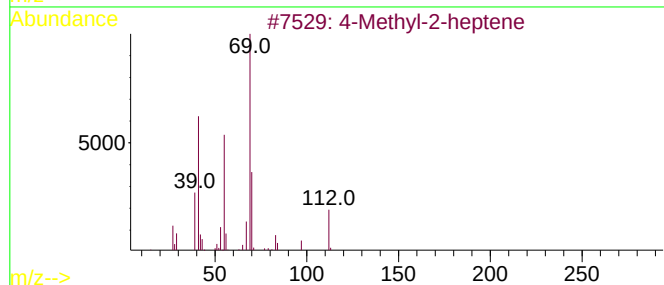
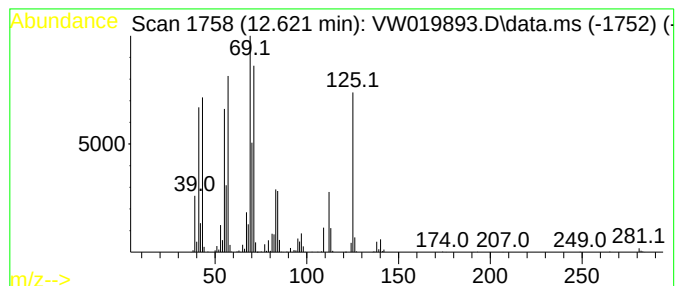
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	15.98 ug/L	801950	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Methyl-2-heptene	112	C8H16	003404-56-6	38
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	30
3		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	30
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	27
5		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

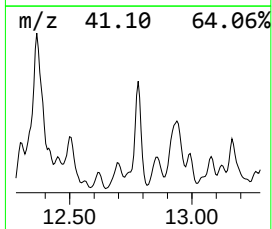
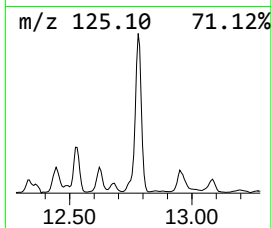
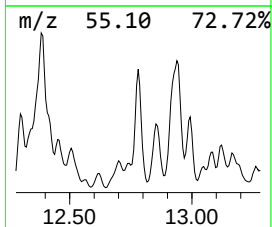
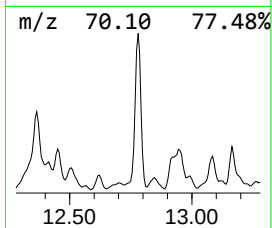
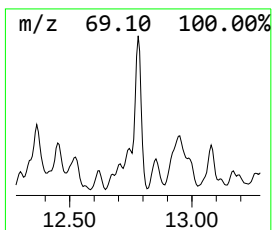
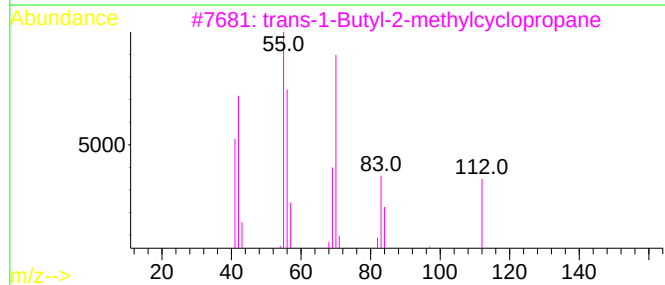
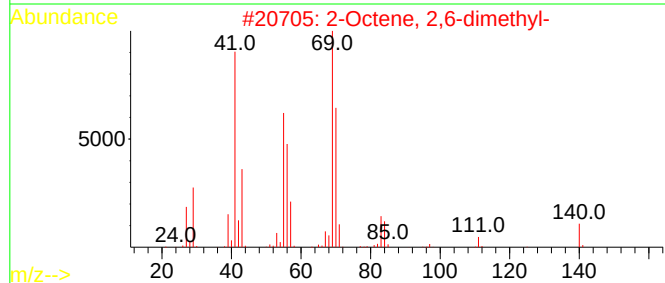
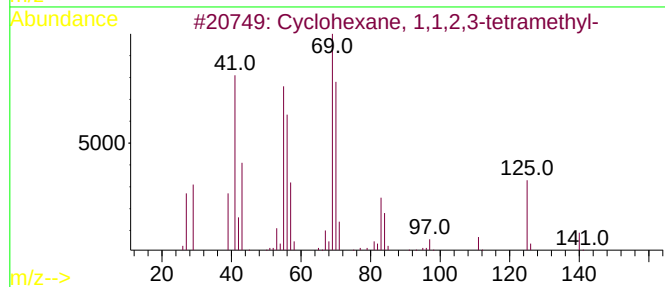
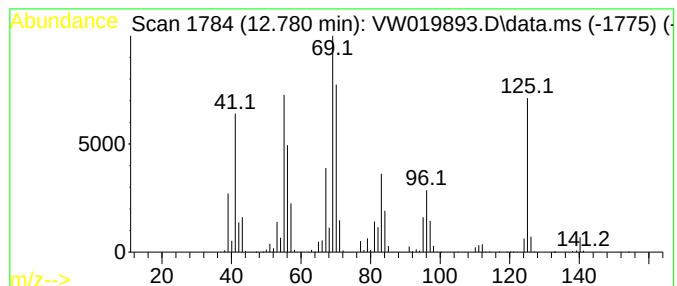
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 (DEL) Alkane: Cyclic12.780 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	107.73 ug/L	5407120	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	68
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4			Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	46
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

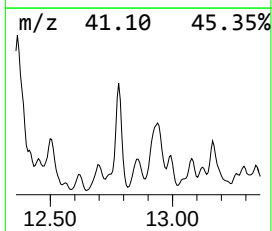
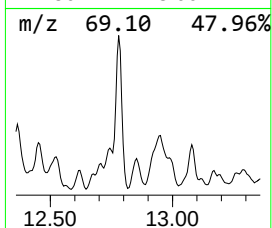
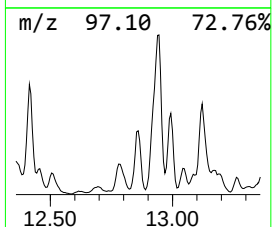
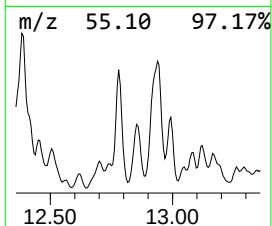
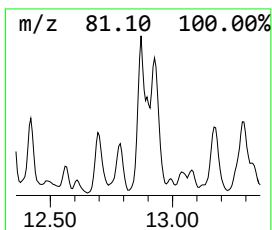
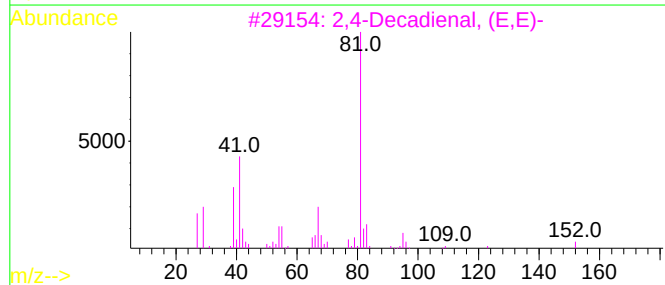
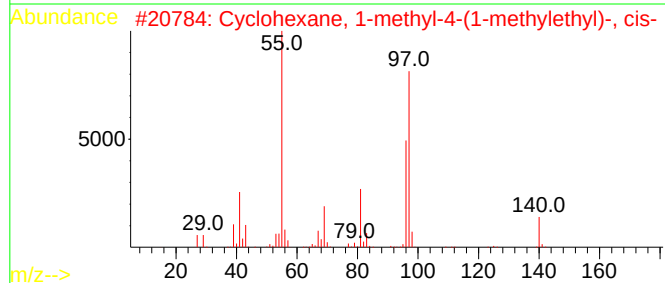
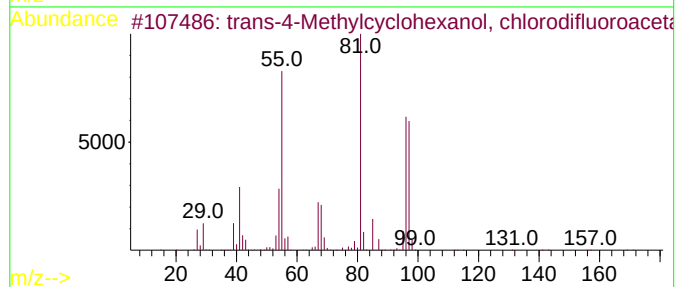
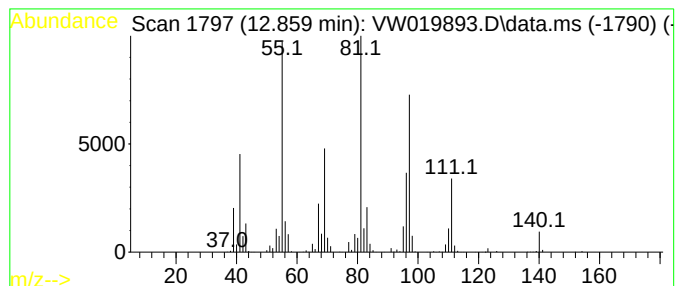
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 trans-4-Methylcyclohexanol,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	43.24 ug/L	2170380	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-4-Methylcyclohexanol, chlo...	226	C9H13ClF2O2	1000376-26-1	50
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
3			2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	38
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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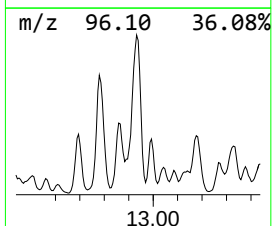
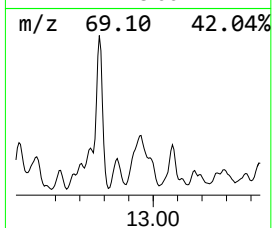
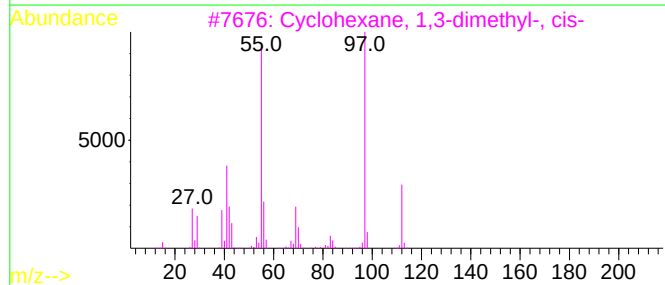
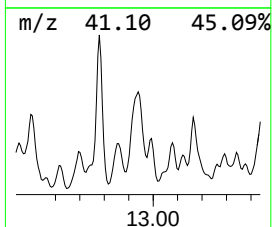
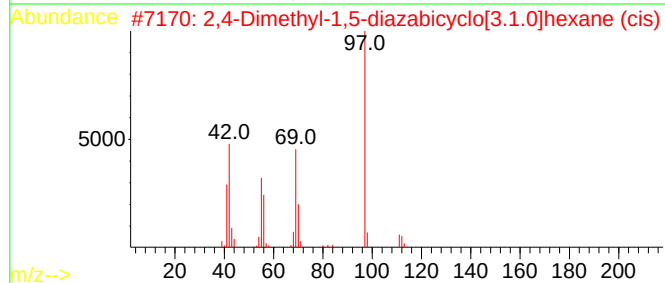
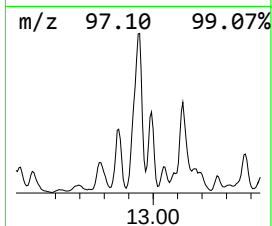
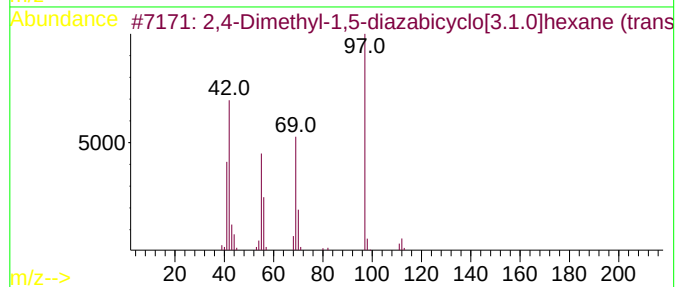
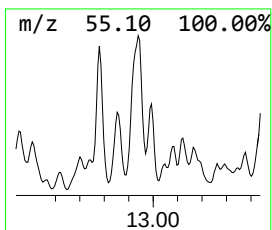
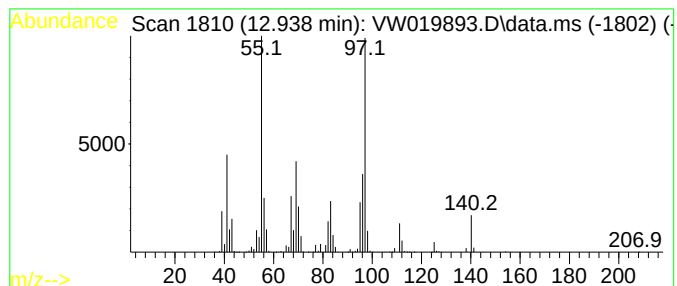
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	89.01 ug/L	4467240	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (trans)	112	C6H12N2	1000283-20-9	49
2			2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (cis)	112	C6H12N2	100463-01-2	46
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

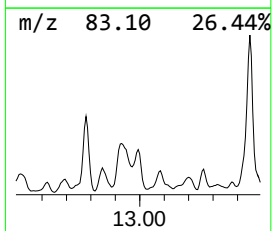
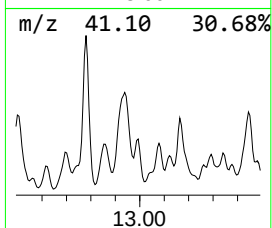
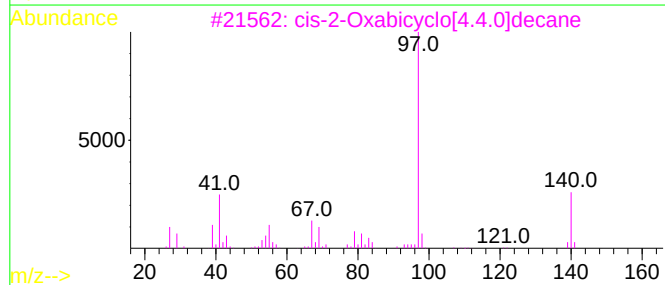
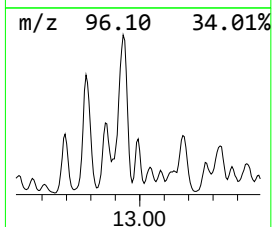
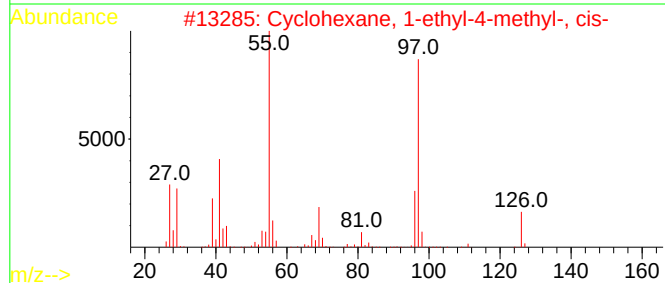
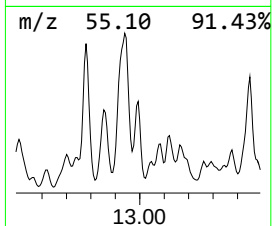
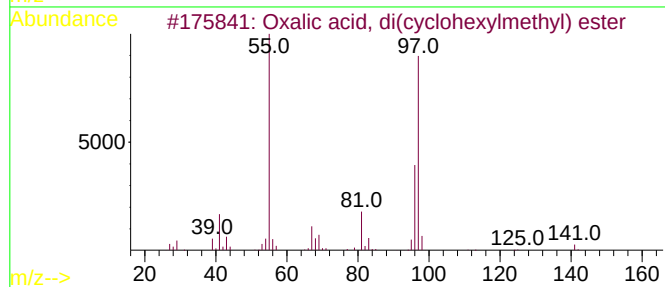
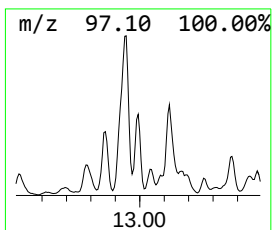
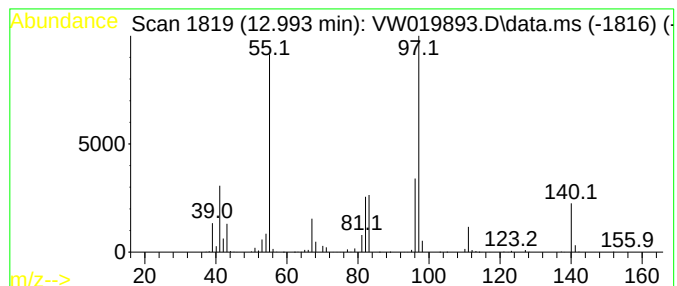
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 Oxalic acid, di(cyclohexylm... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.993	22.96 ug/L	1152590	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	47
3	cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	43
4	3-Butylthiophene	140	C8H12S	034722-01-5	43
5	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

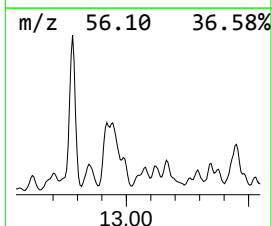
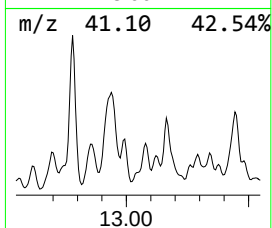
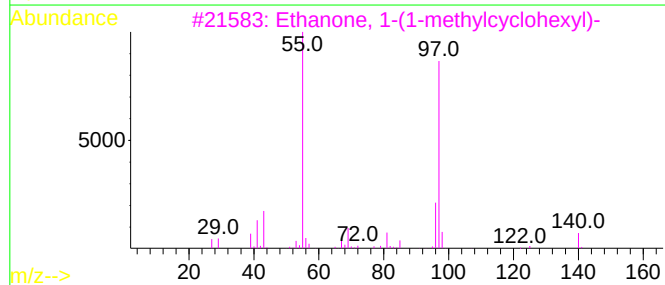
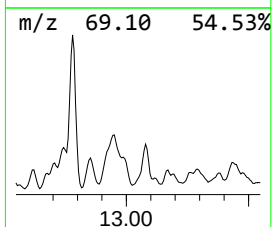
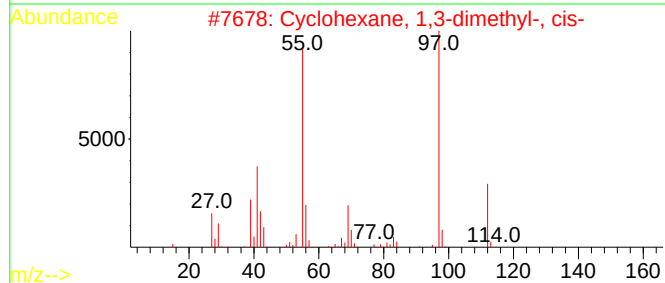
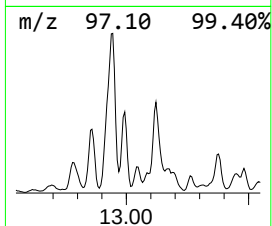
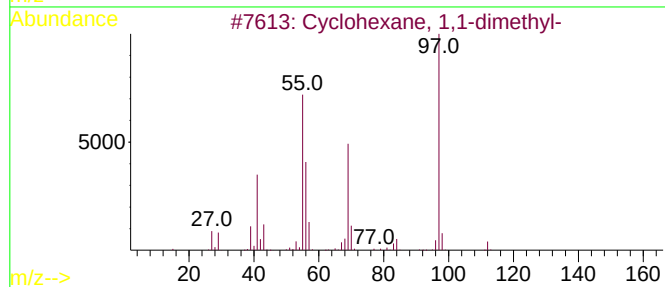
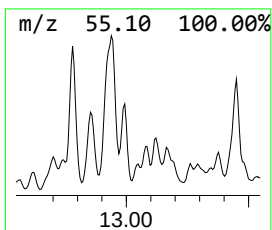
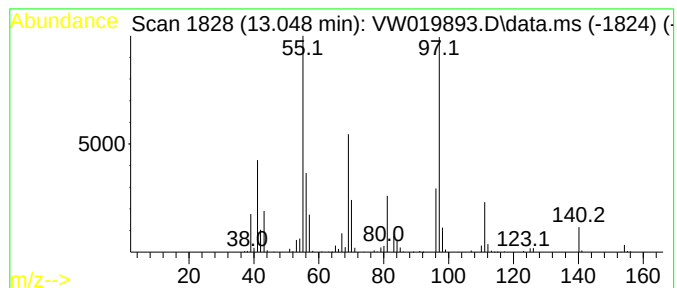
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 52 (DEL) Alkane: Cyclic13.048 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.048	4.76 ug/L	238965	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	58
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

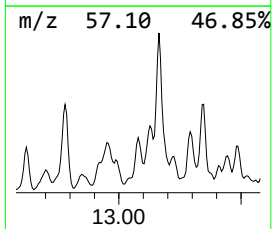
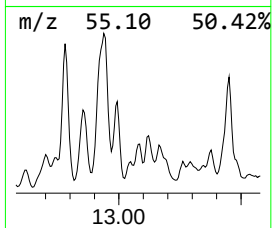
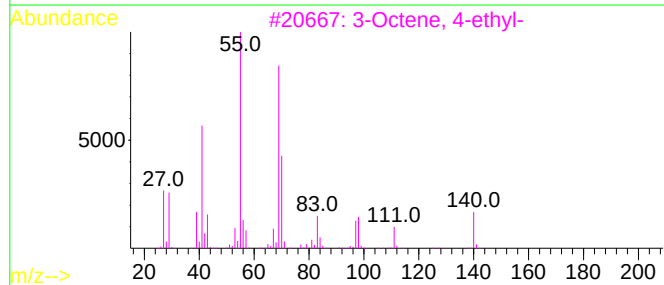
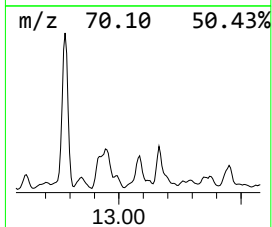
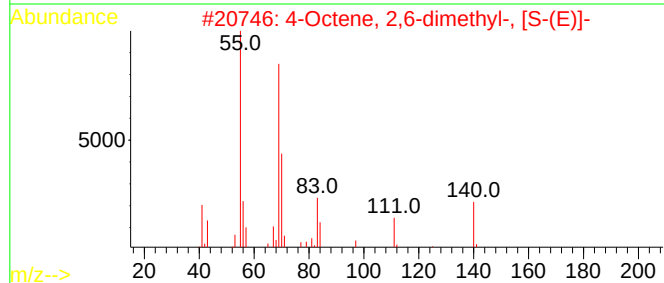
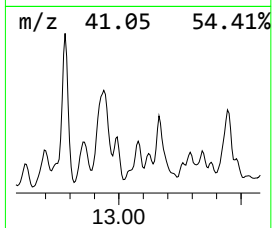
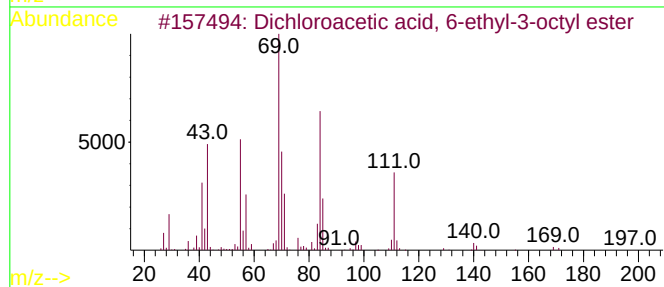
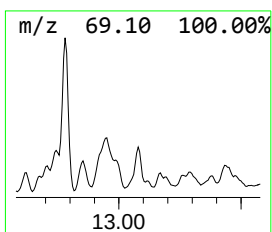
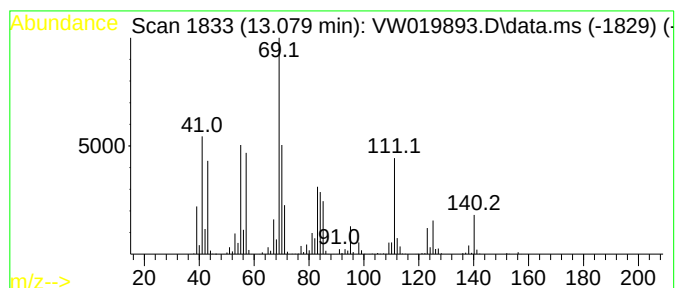
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 Dichloroacetic acid, 6-ethy... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.079	14.99 ug/L	752343	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	59
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
3	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	46
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	43
5	3-Ethyl-3-octene	140	C10H20	019781-31-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

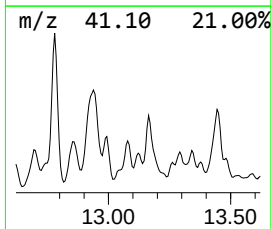
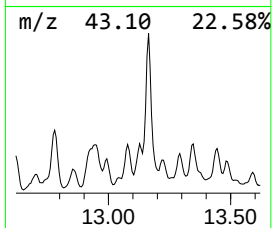
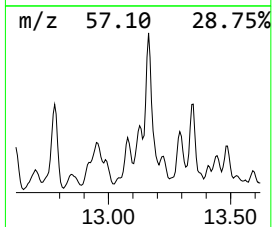
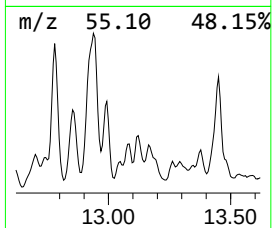
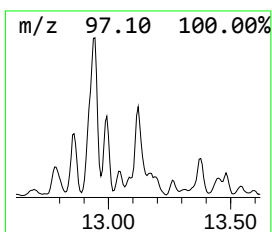
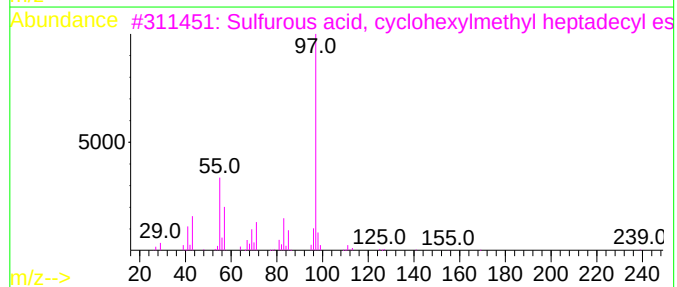
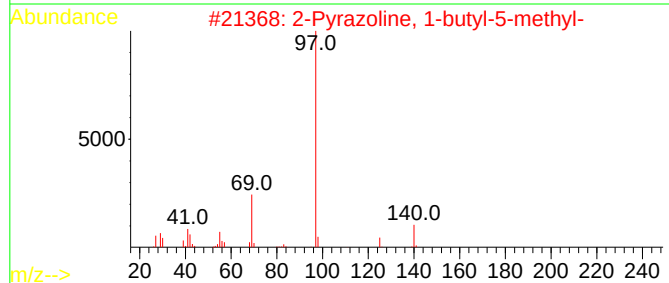
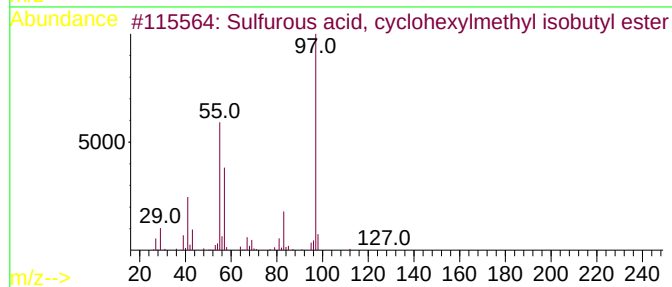
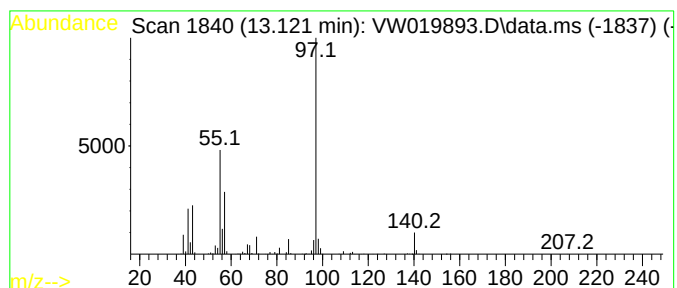
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 54 Sulfurous acid, cyclohexylm... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	8.43 ug/L	423191	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	64
2			2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	59
3			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	56
4			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	56
5			Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

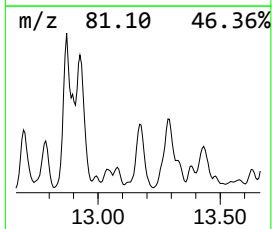
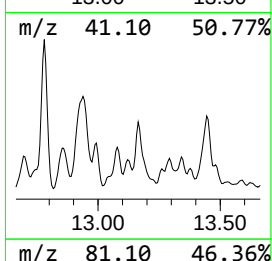
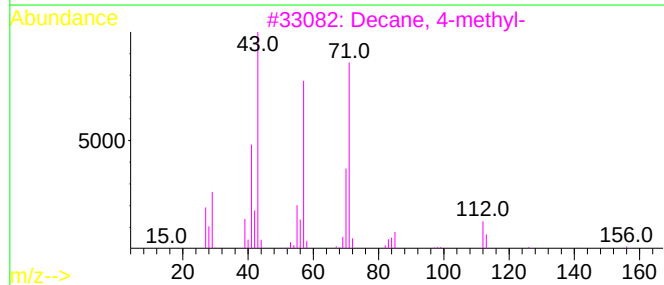
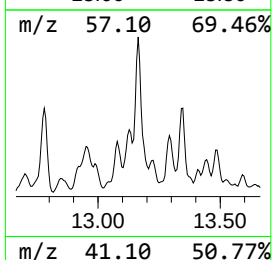
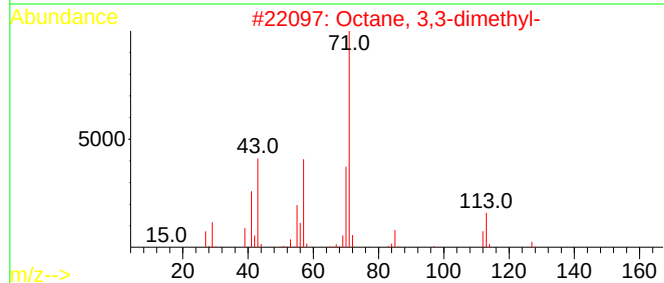
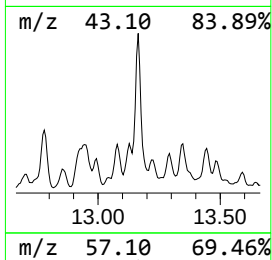
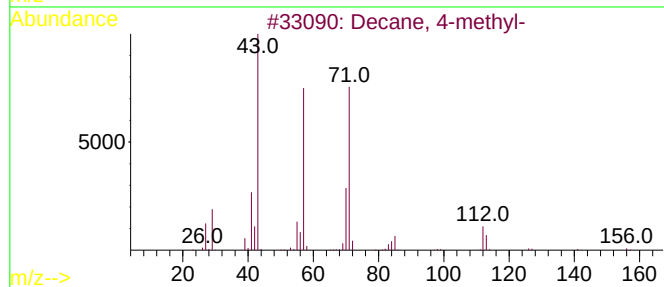
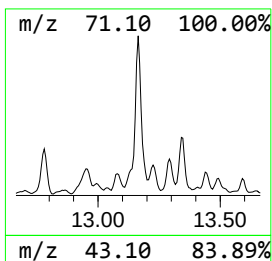
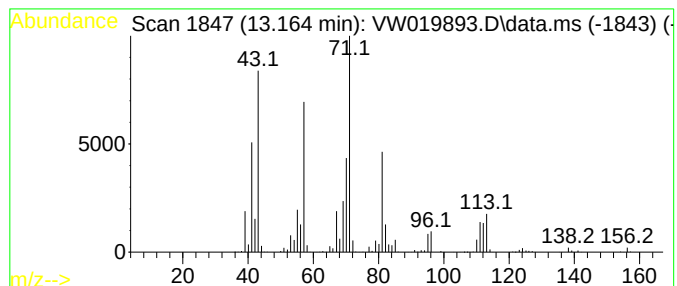
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.164	48.93 ug/L	2455800	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3	Decane, 4-methyl-	156	C11H24	002847-72-5	59
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

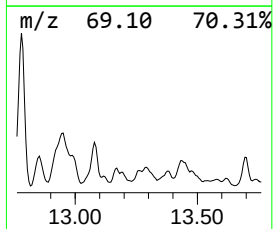
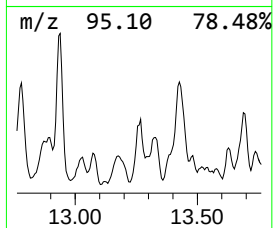
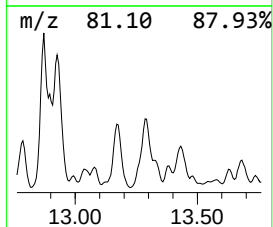
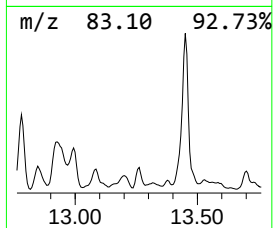
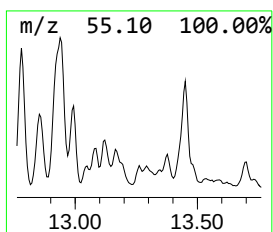
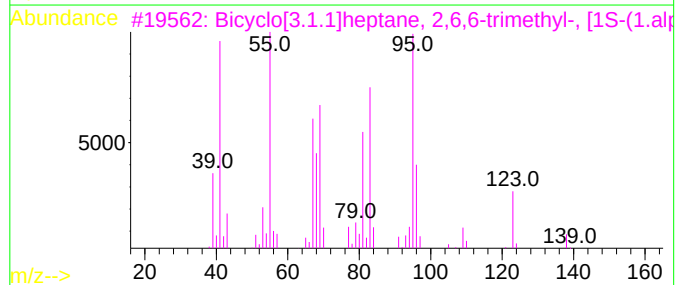
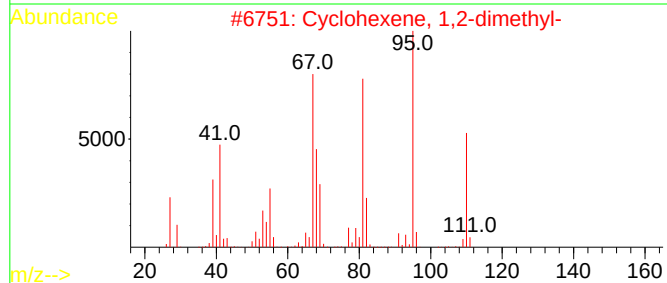
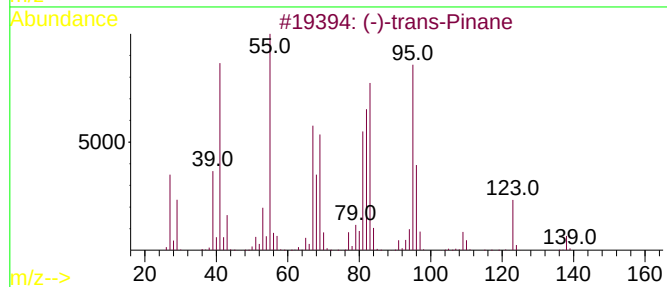
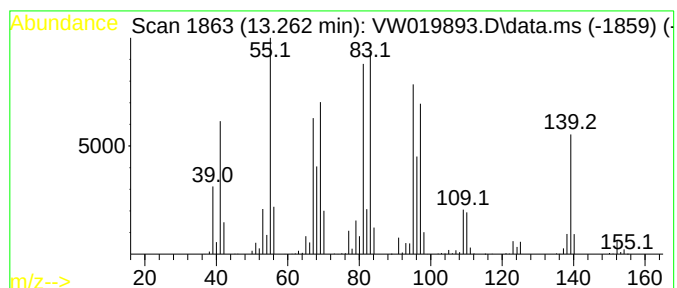
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 56 (-)-trans-Pinane Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.262	10.27 ug/L	515678	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-trans-Pinane	138	C10H18	033626-25-4	60
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	55
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	50
4	2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	49
5	Methylenecyclooctane	124	C9H16	003618-18-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

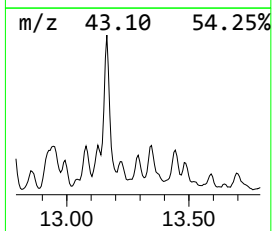
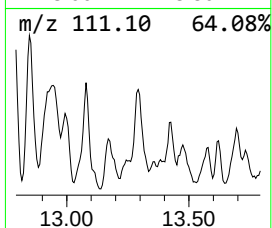
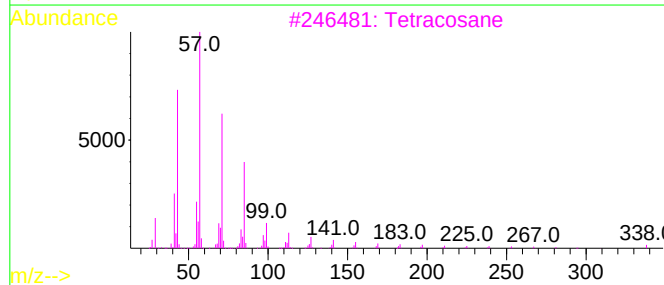
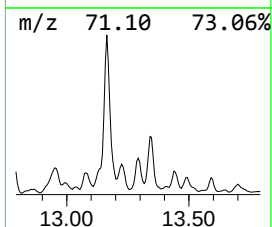
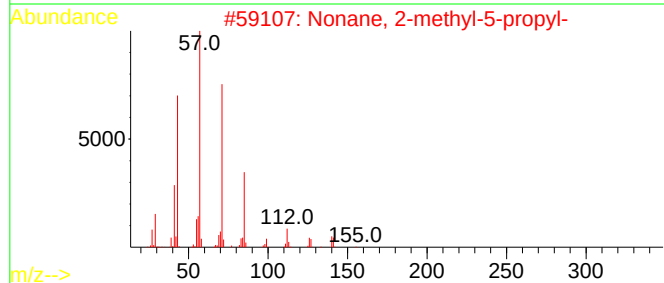
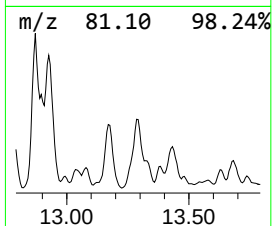
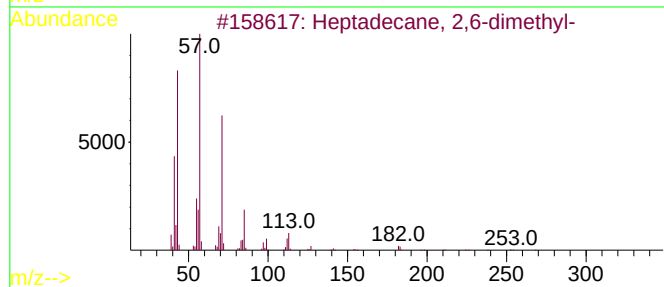
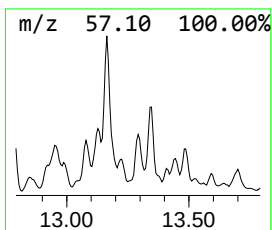
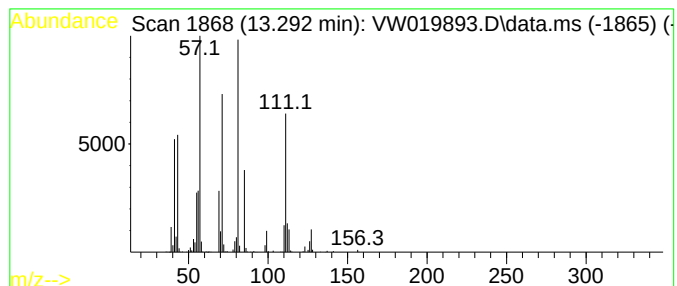
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	4.59 ug/L	230578	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	35
2		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	27
3		Tetracosane	338	C24H50	000646-31-1	27
4		Octadecane	254	C18H38	000593-45-3	27
5		Decane, 3-methyl-	156	C11H24	013151-34-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

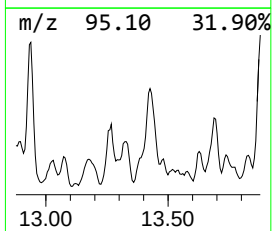
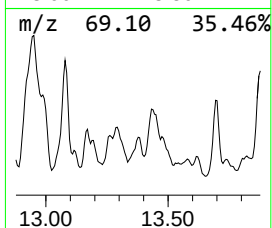
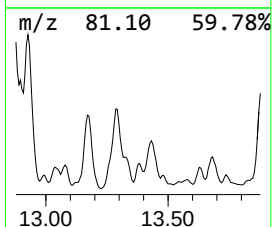
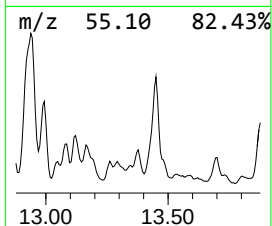
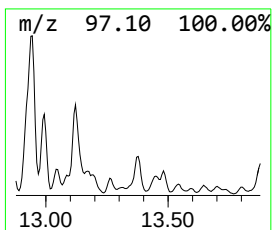
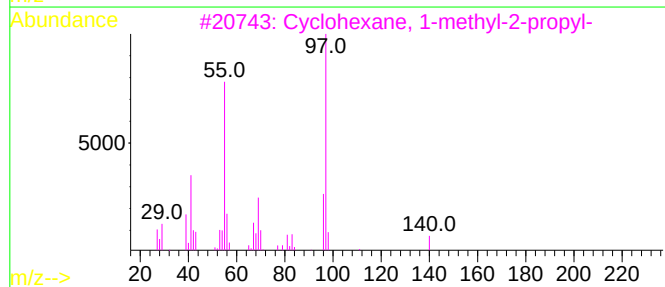
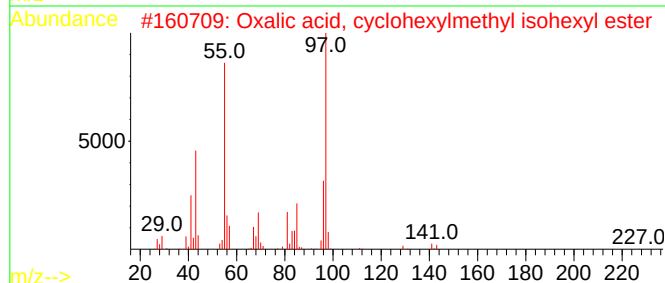
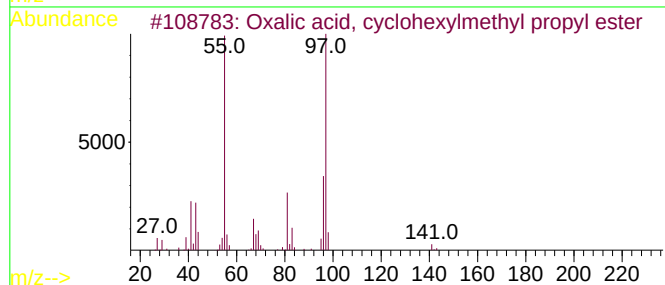
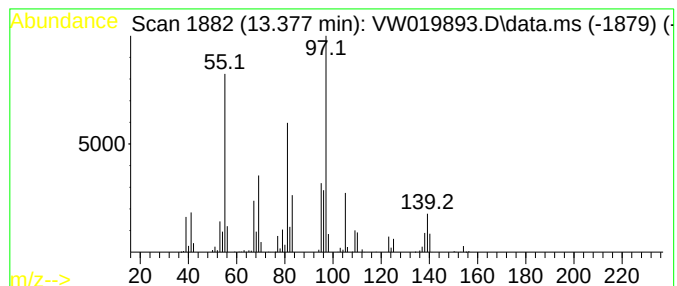
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 58 unknown-04 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	5.80 ug/L	291052	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	47
2			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	43
3			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
4			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
5			Bis(2-isopropyl-5-methylcyclohex...	372	C21H41O3P	1000510-36-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

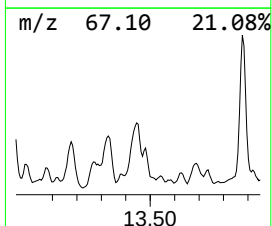
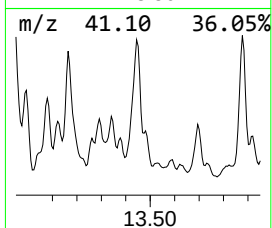
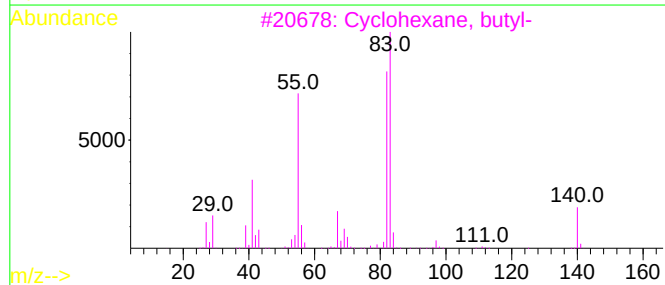
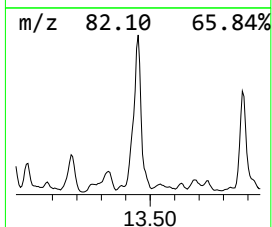
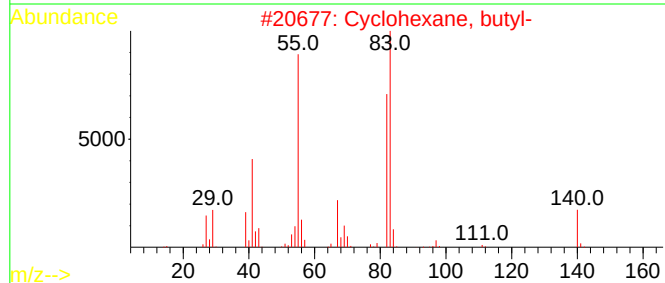
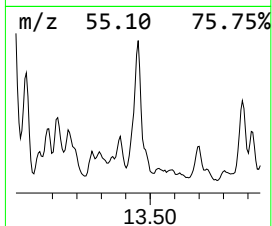
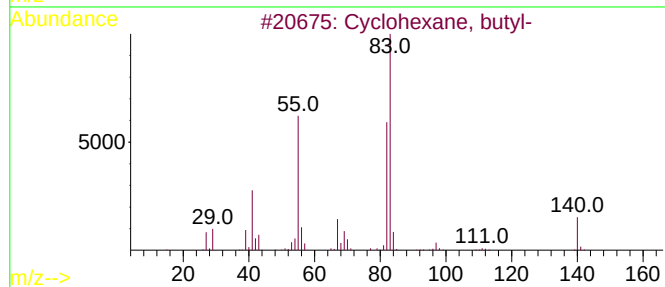
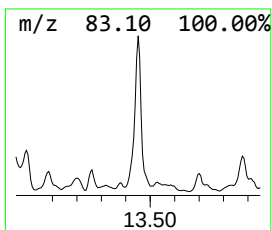
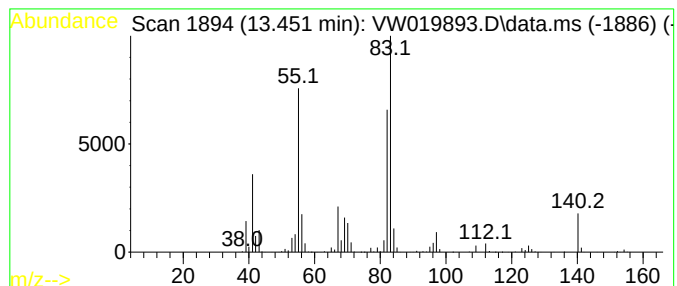
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 59 (DEL) Alkane: Cyclic13.451 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.451	50.62 ug/L	2540590	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-		140	C10H20	001678-93-9	90
2	Cyclohexane, butyl-		140	C10H20	001678-93-9	90
3	Cyclohexane, butyl-		140	C10H20	001678-93-9	90
4	Cyclohexane, pentyl-		154	C11H22	004292-92-6	87
5	Cyclohexane, propyl-		126	C9H18	001678-92-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

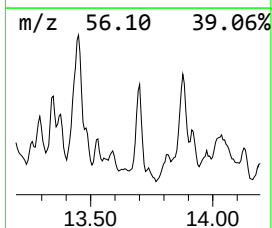
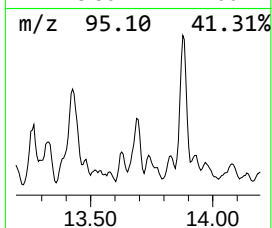
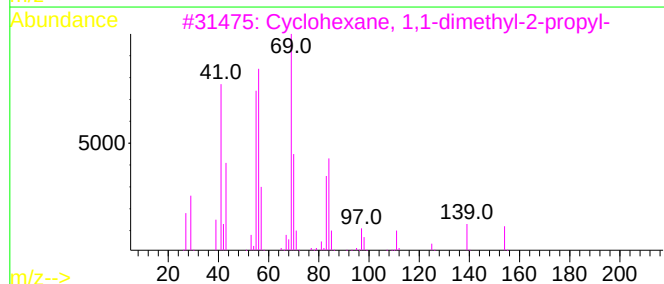
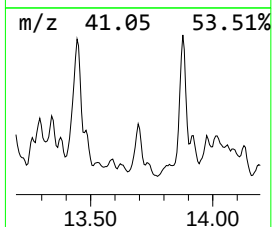
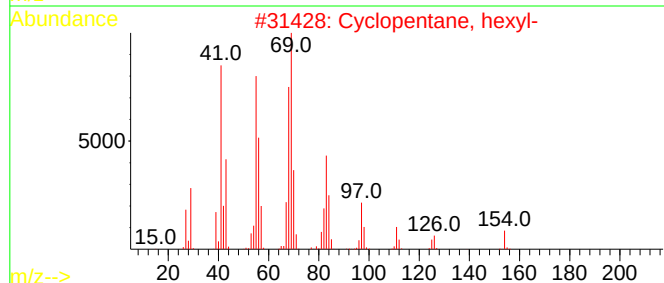
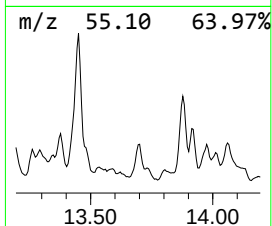
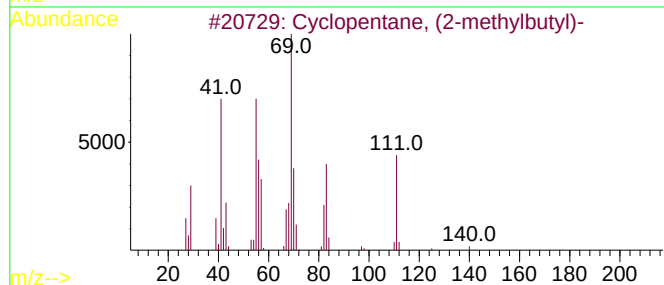
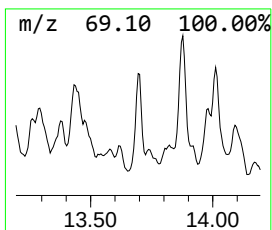
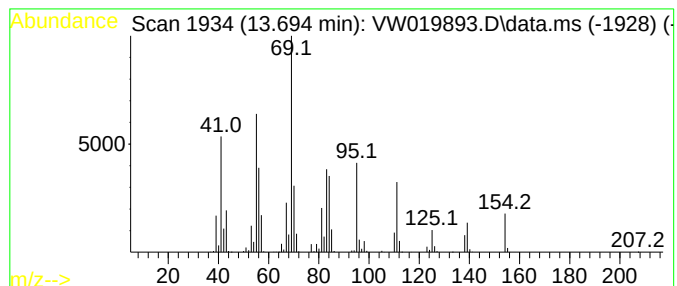
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 60 (DEL) Alkane: Cyclic13.694 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.694	17.51 ug/L	878745	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
2			Cyclopentane, hexyl-	154	C11H22	004457-00-5	64
3			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	53
4			Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
5			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

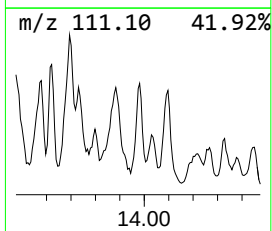
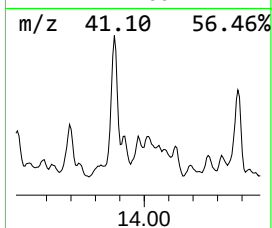
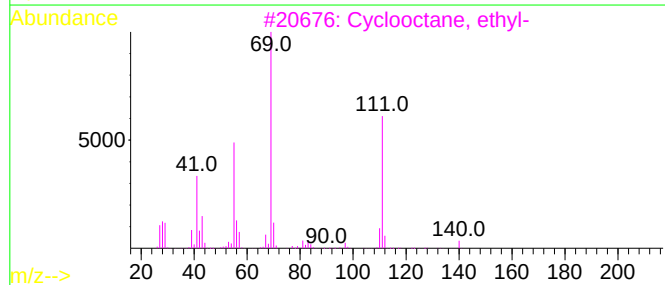
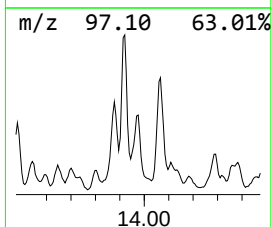
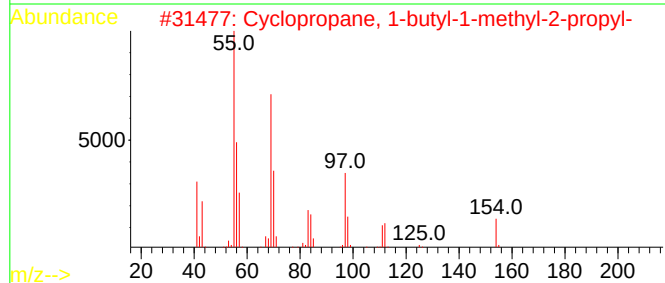
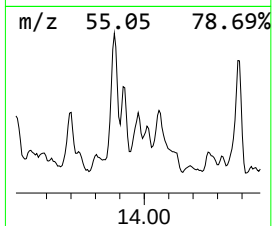
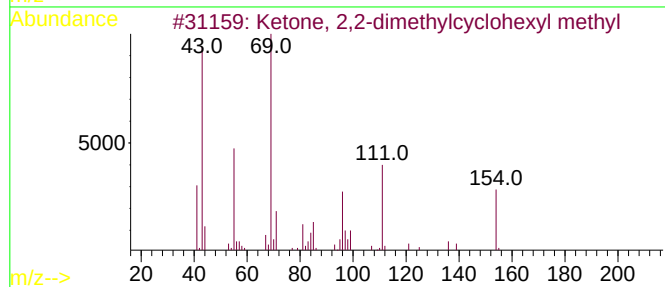
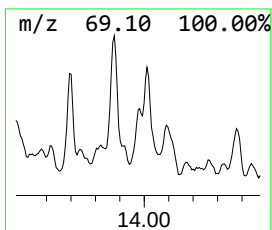
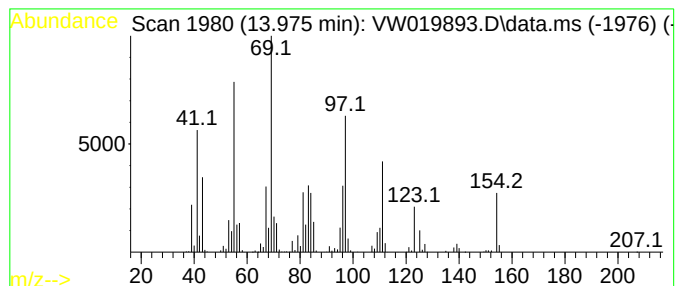
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 61 Ketone, 2,2-dimethylcyclohe... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	10.09 ug/L	506412	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	58
2			Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	47
3			Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
4			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	35
5			4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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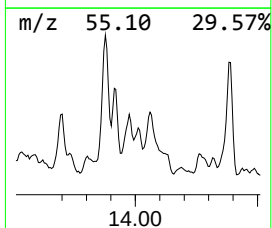
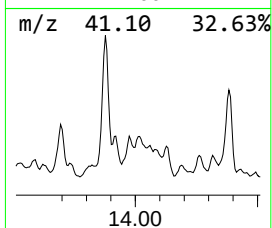
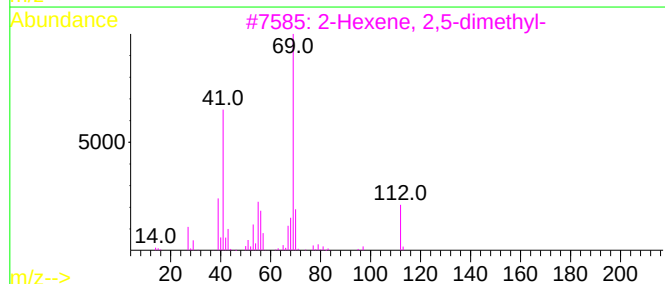
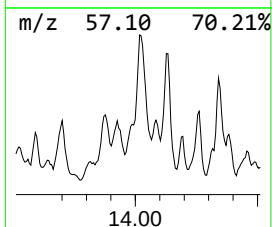
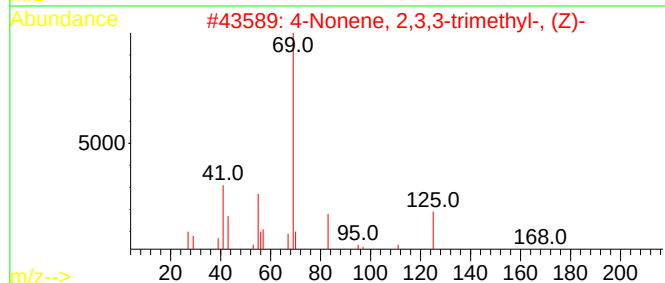
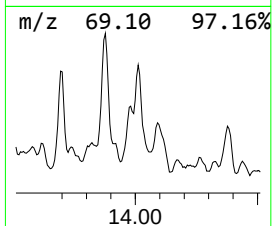
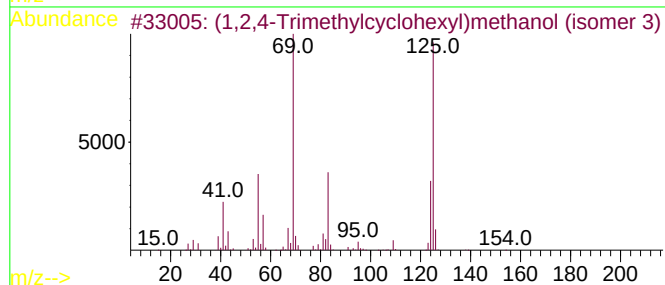
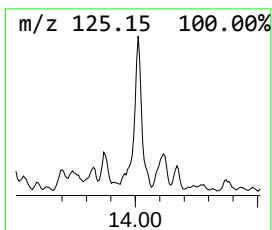
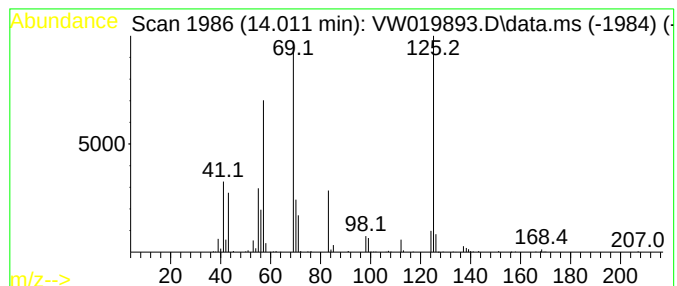
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 62 unknown-05 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	4.70 ug/L	236034	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	45
2			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	45
3			2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	38
4			1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	38
5			4-amino-1-methyl-1,2-dihydropyri...	125	C5H7N3O	001122-47-0	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

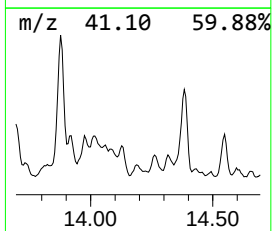
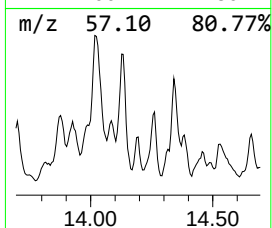
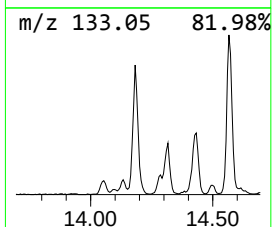
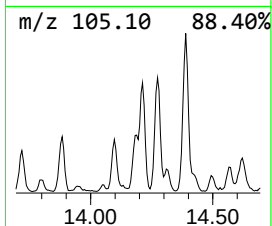
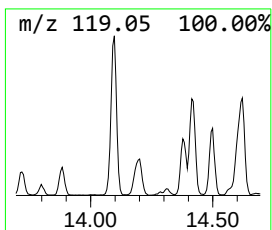
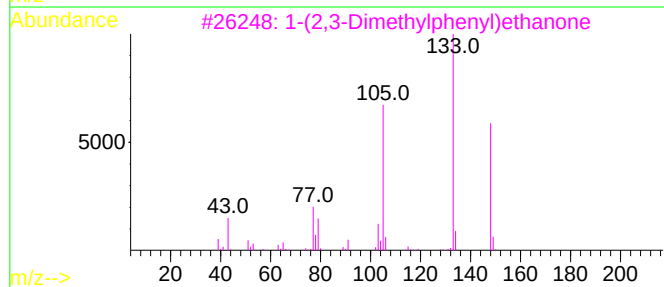
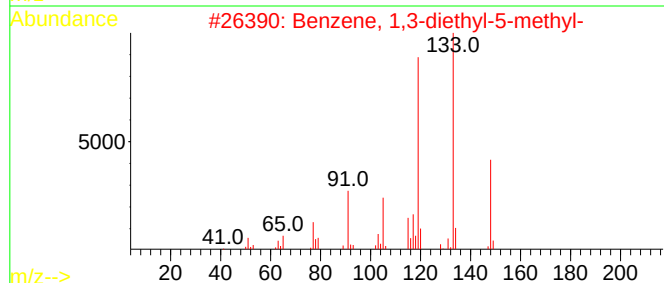
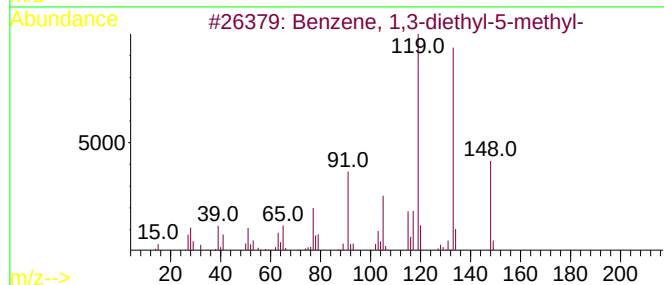
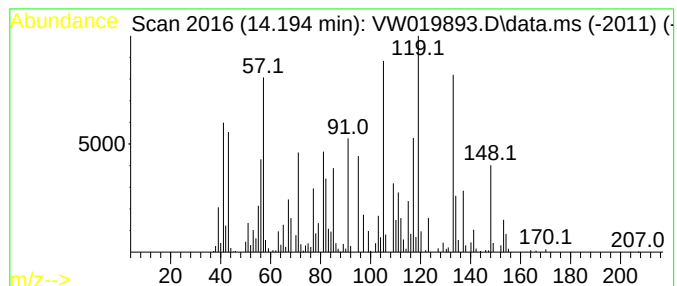
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 63 unknown-06 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	9.27 ug/L	465294	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	45
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	43
3			1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	35
4			Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	35
5			1-(3,3-Dimethylbutyn-1-yl)-2,2-d...	148	C11H16	1000222-04-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

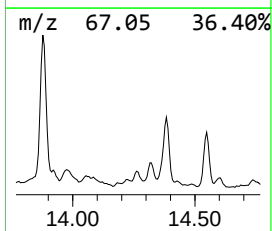
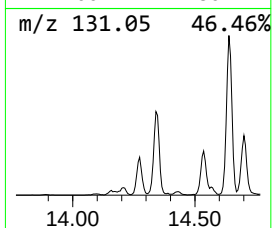
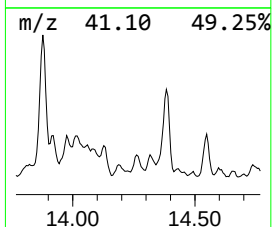
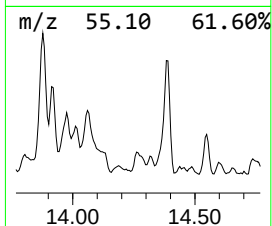
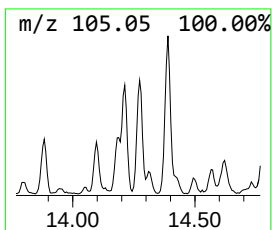
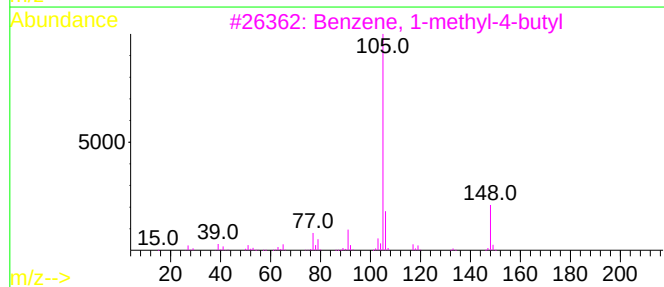
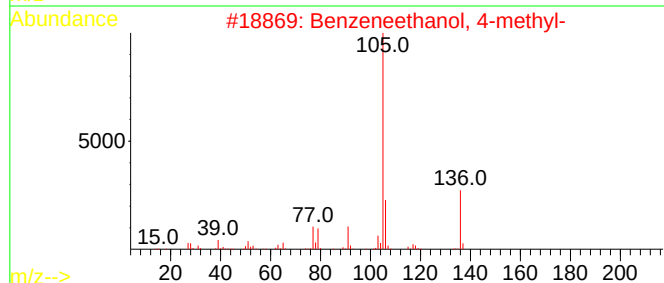
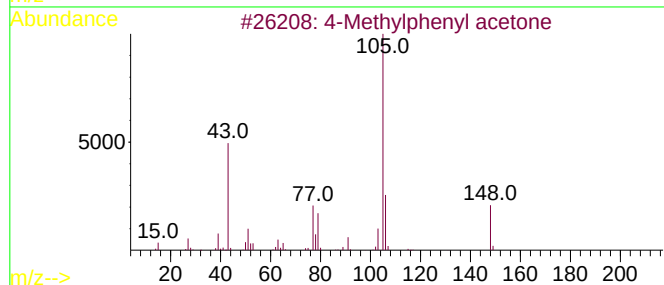
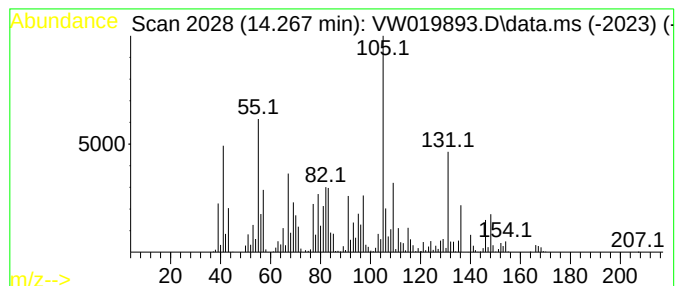
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 64 unknown-07 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.267	9.75 ug/L	489200	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylphenyl acetone	148	C10H12O	002096-86-8	15
2			Benzeneethanol, 4-methyl-	136	C9H12O	000699-02-5	14
3			Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	11
4			Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	11
5			Benzeneethanol, 2-methyl-	136	C9H12O	019819-98-8	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

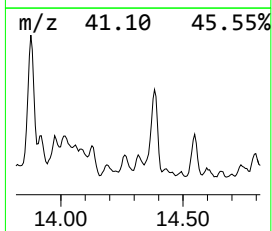
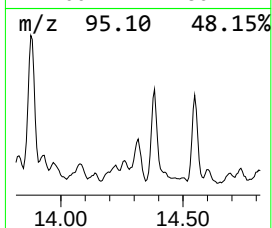
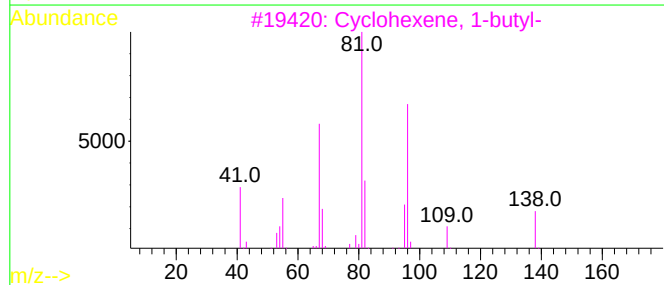
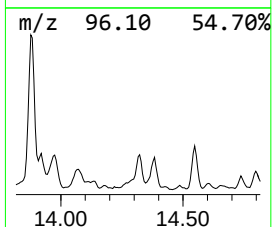
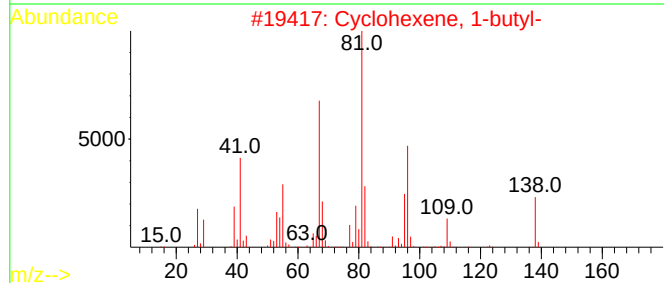
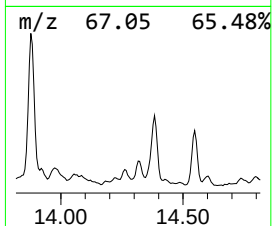
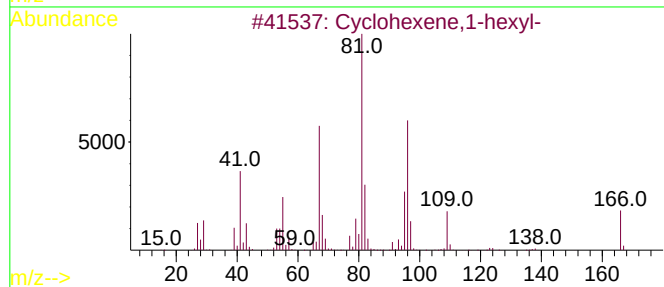
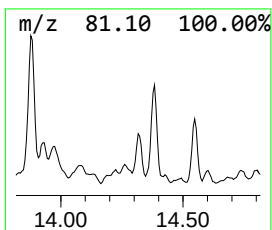
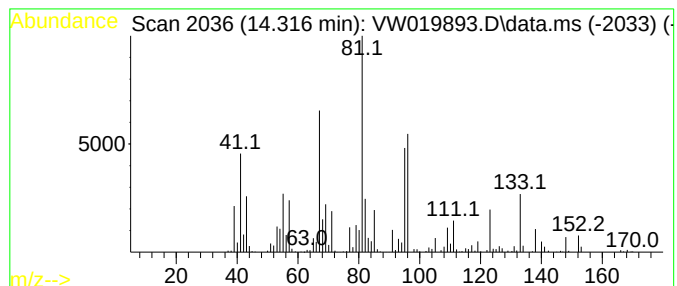
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 65 Cyclohexene,1-hexyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	6.42 ug/L	322038	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	91
2			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	83
3			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	64
4			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	64
5			Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

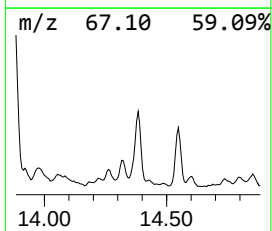
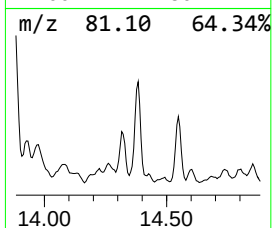
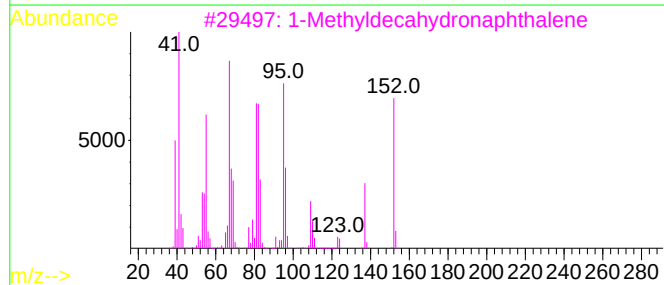
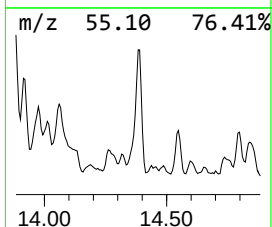
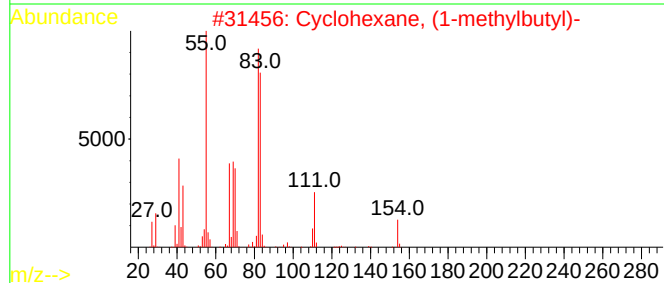
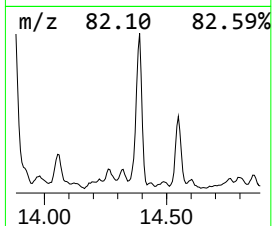
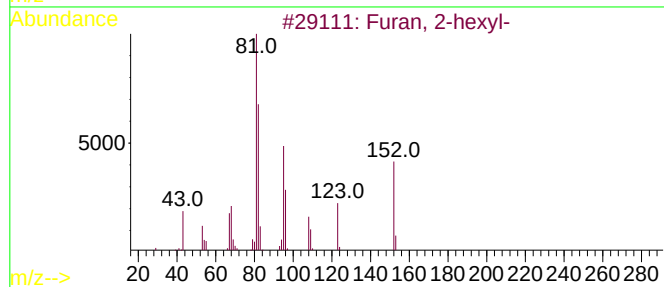
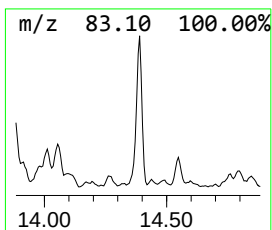
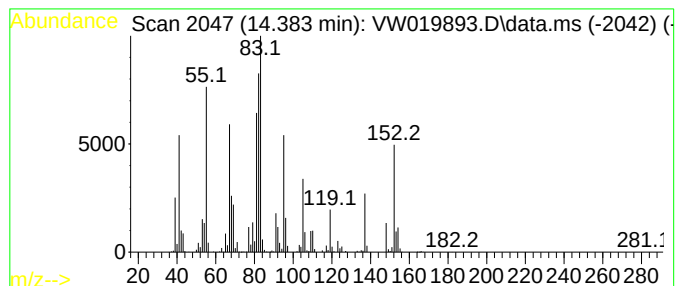
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 66 unknown-08

Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	29.97 ug/L	1504290	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-hexyl-	152	C10H16O	003777-70-6	46
2			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	46
3			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	46
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

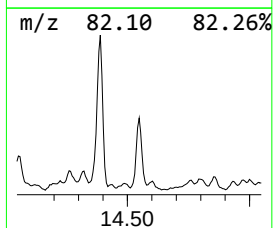
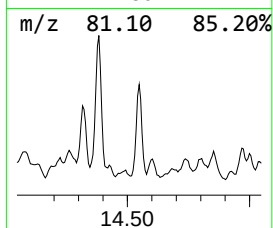
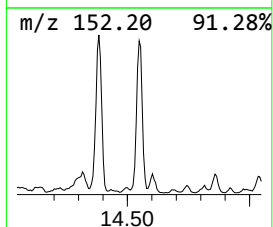
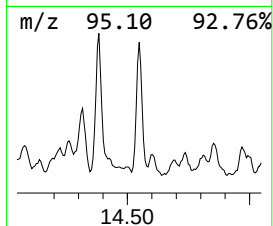
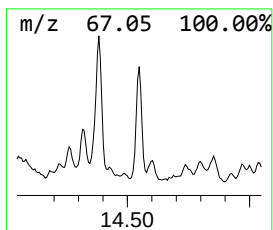
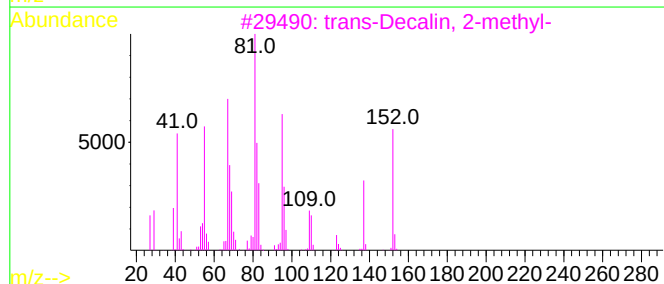
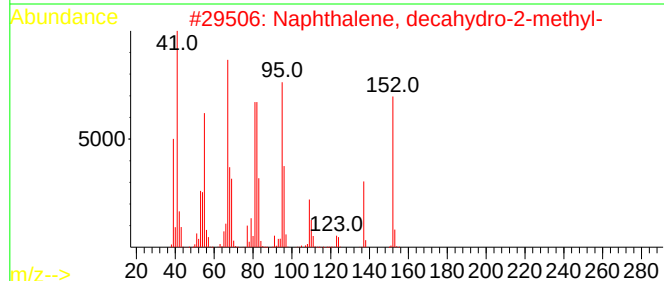
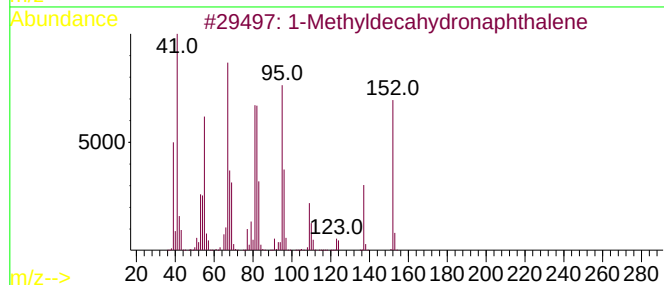
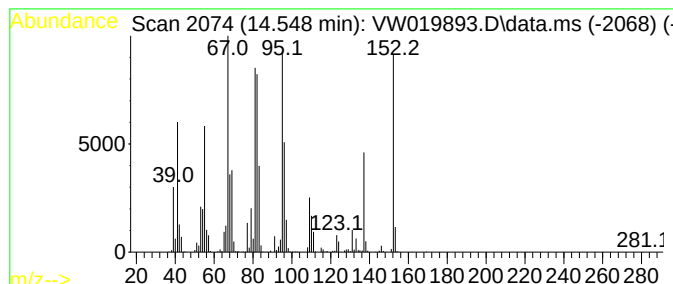
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 67 1-Methyldecahydronaphthalene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	20.37 ug/L	1022280	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

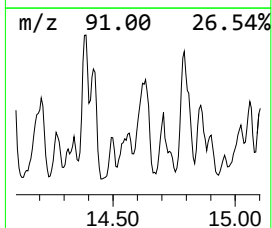
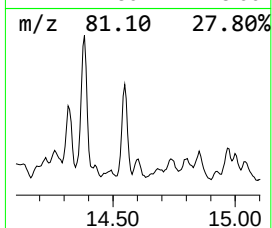
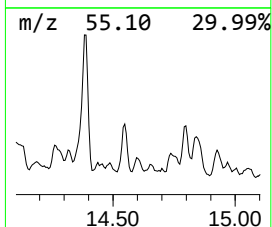
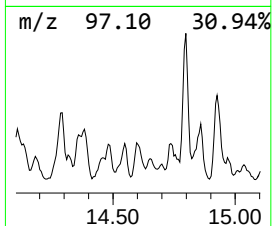
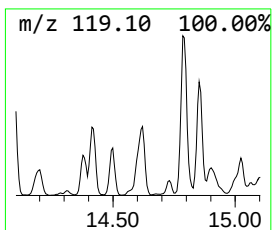
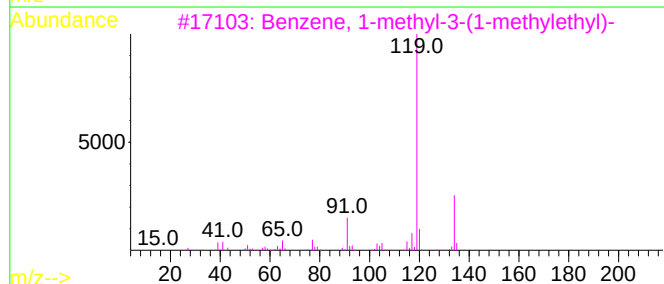
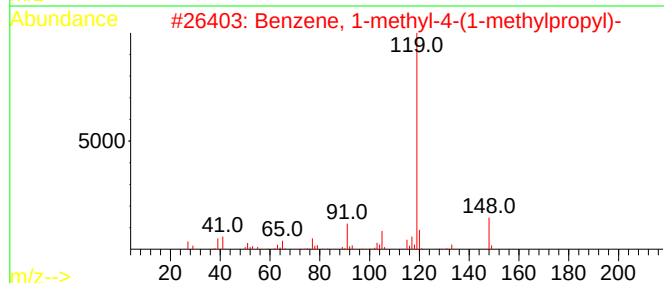
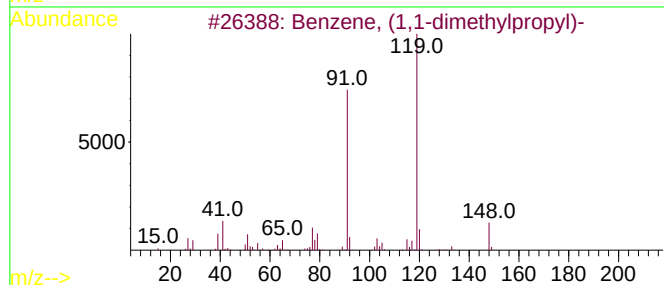
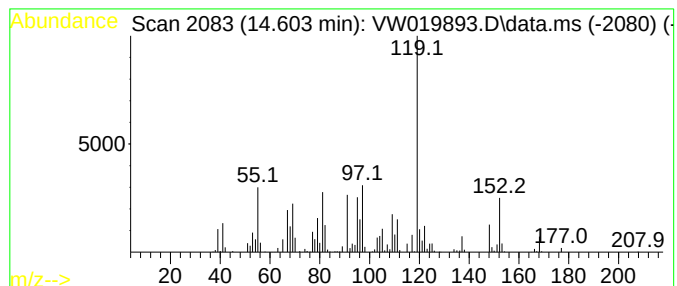
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 68 unknown-09 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.603	4.09 ug/L	205107	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	43
2			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

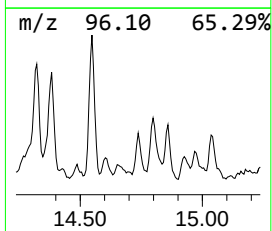
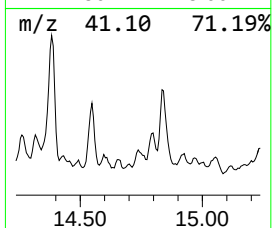
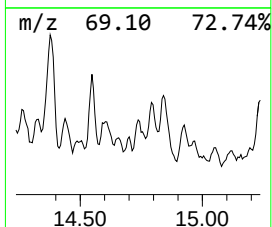
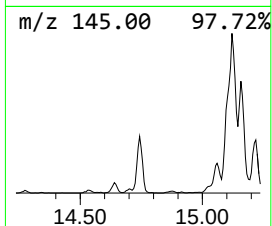
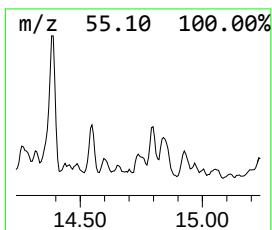
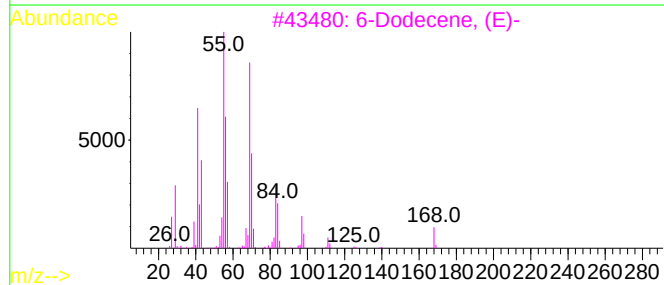
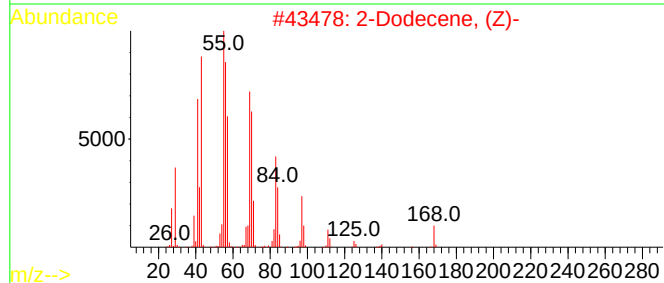
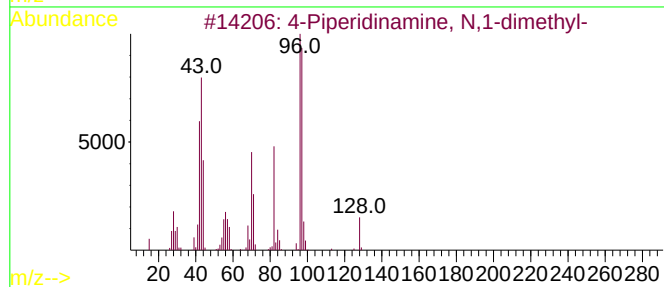
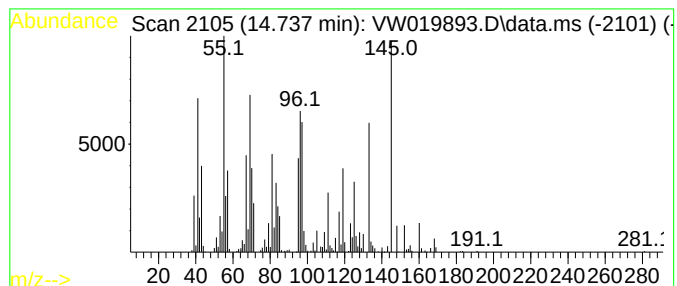
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 69 unknown-10 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.737	5.34 ug/L	268035	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Piperidinamine, N,1-dimethyl-		128	C7H16N2	073579-08-5	18
2	2-Dodecene, (Z)-		168	C12H24	007206-26-0	15
3	6-Dodecene, (E)-		168	C12H24	007206-17-9	15
4	1H-Indene, 2,3-dihydro-1,1,5-tri...		160	C12H16	040650-41-7	11
5	trans-1,3-Diethylcyclopentane		126	C9H18	1000113-87-1	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

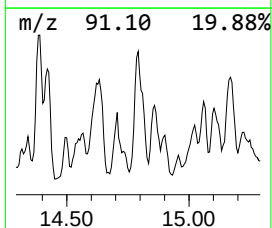
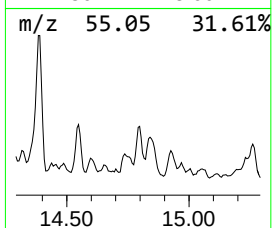
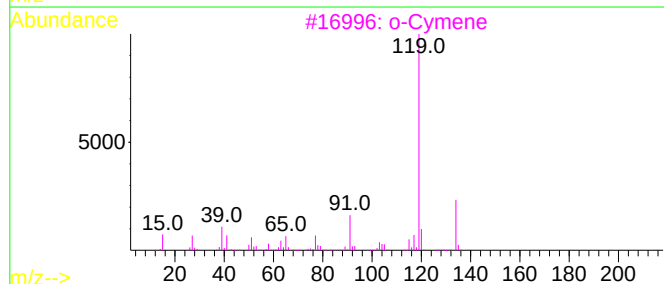
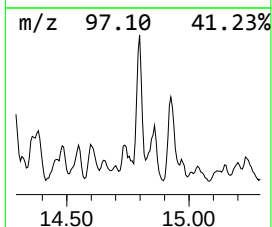
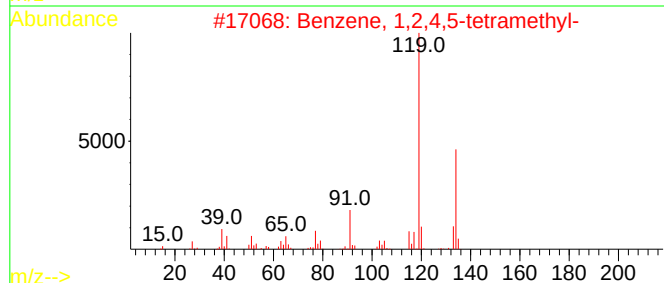
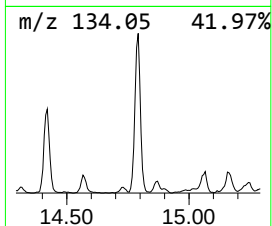
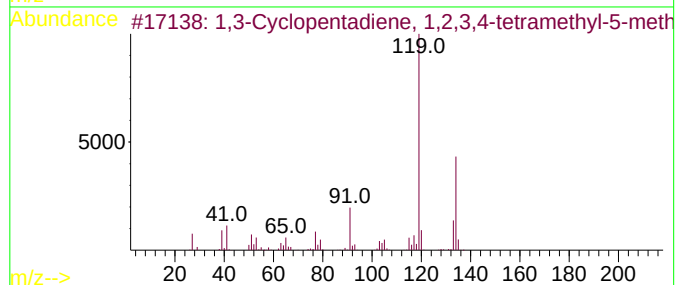
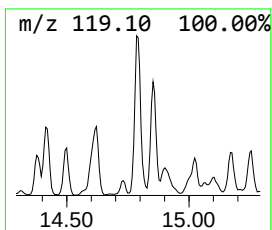
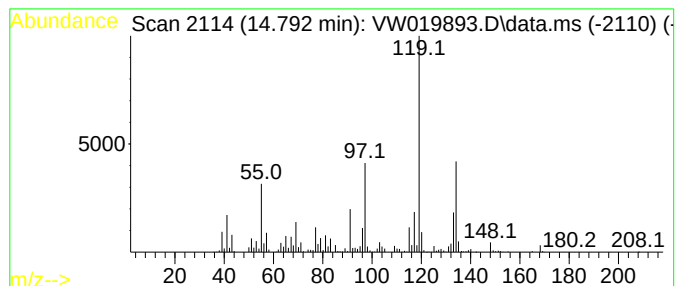
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 70 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	15.89 ug/L	797353	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14		076089-59-3	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14		000095-93-2	70
3	o-Cymene	134	C10H14		000527-84-4	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14		000535-77-3	64
5	p-Cymene	134	C10H14		000099-87-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

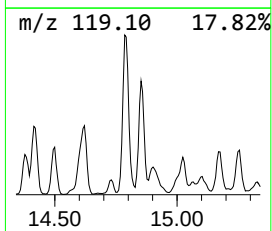
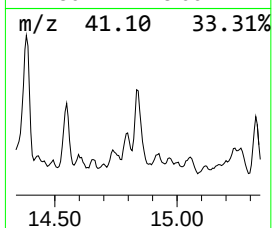
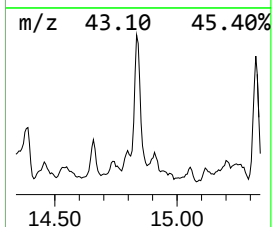
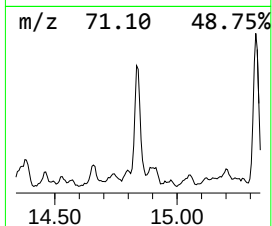
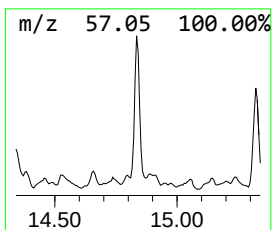
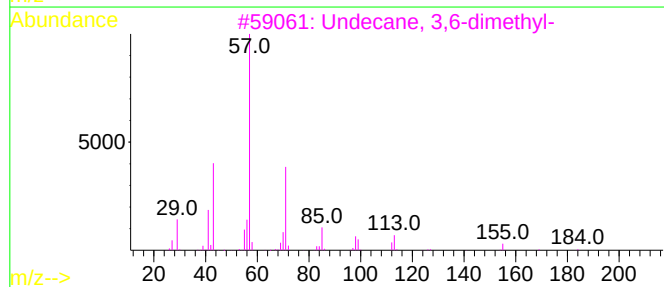
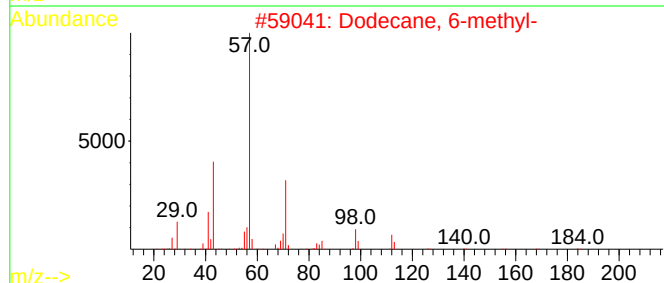
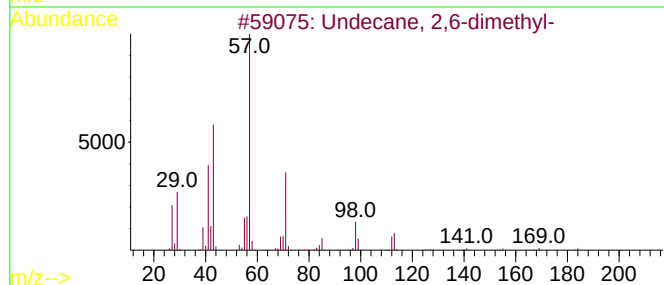
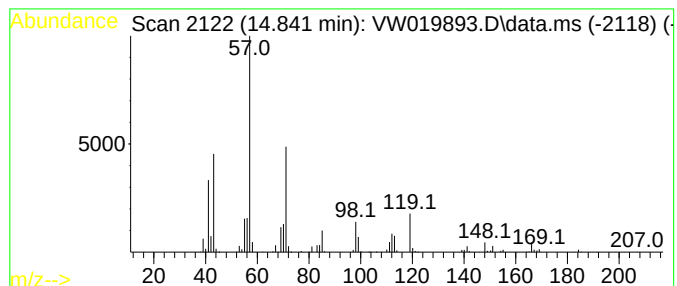
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.841	19.92 ug/L	999611	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	60
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
4			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	55
5			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

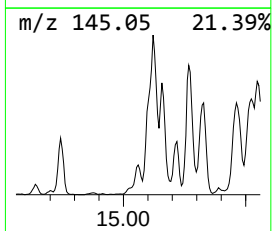
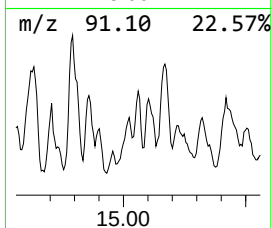
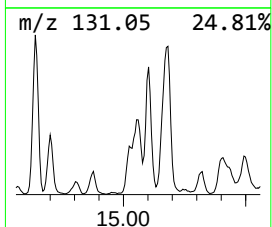
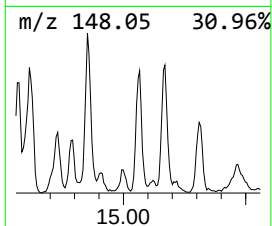
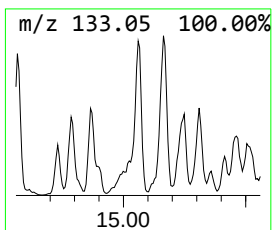
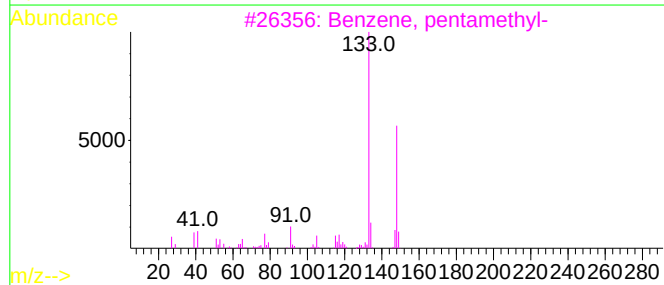
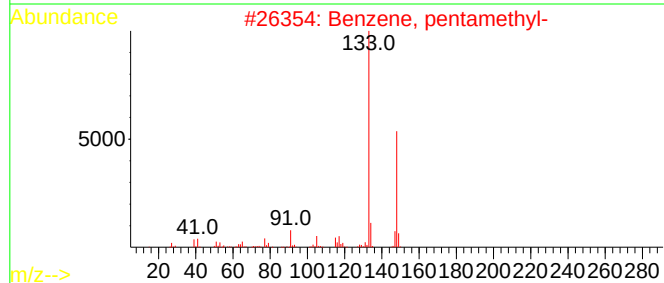
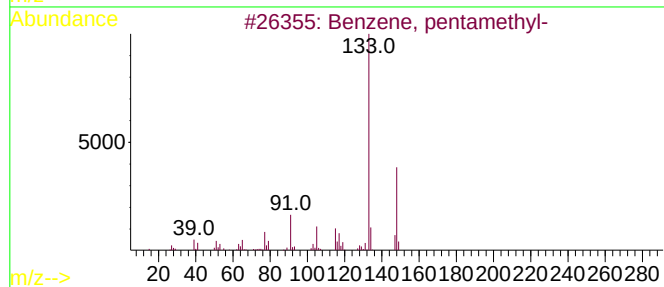
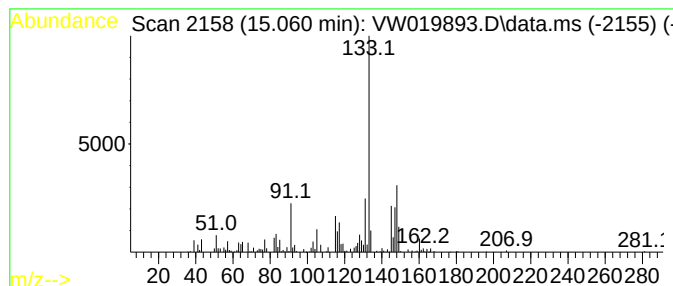
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 72 Benzene, pentamethyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	6.14 ug/L	308040	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	52
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	50
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	50
4			Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	49
5			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

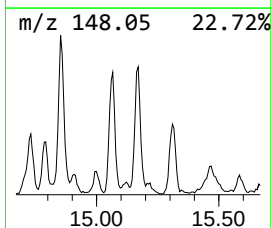
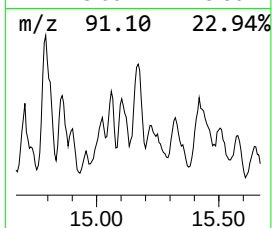
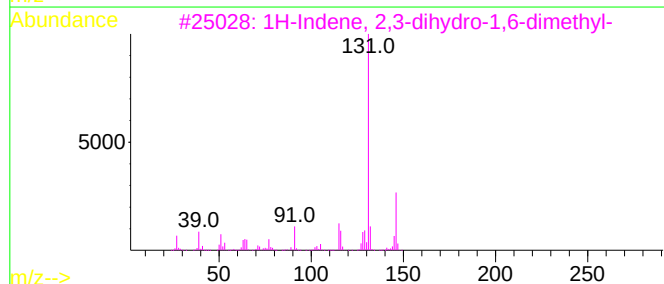
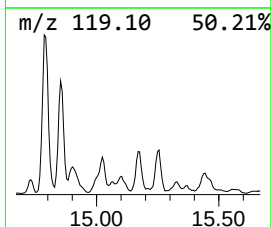
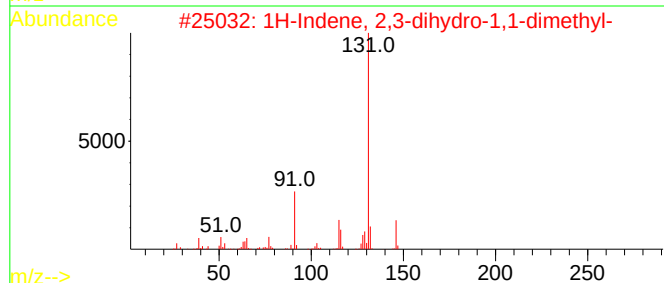
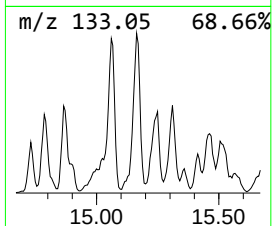
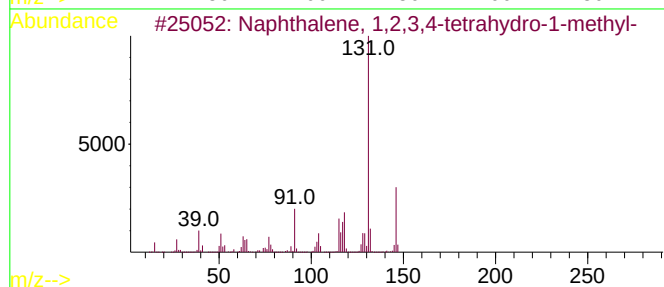
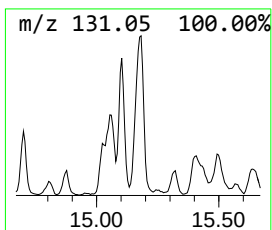
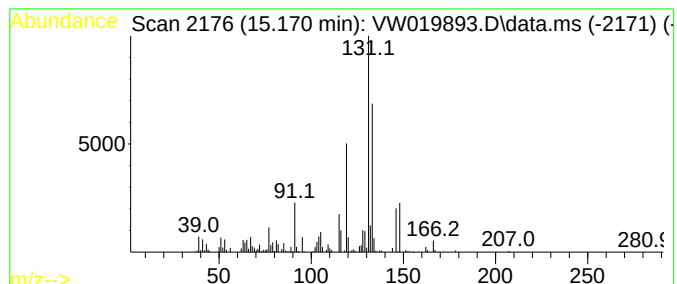
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 73 Naphthalene, 1,2,3,4-tetra... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	7.48 ug/L	375213	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55
2			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	49
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

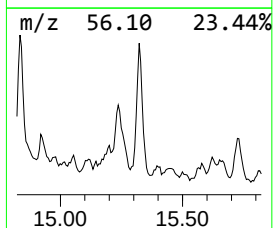
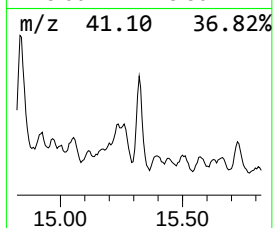
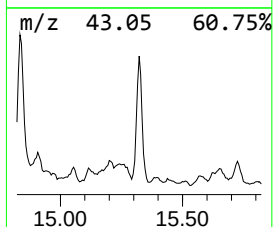
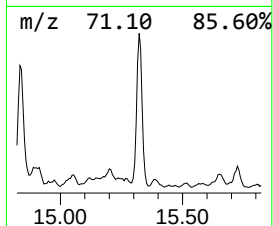
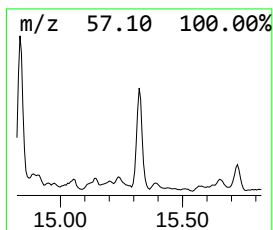
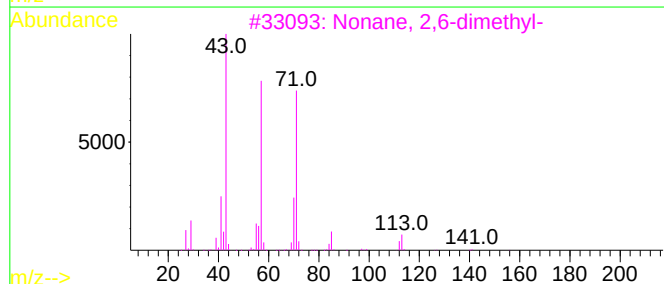
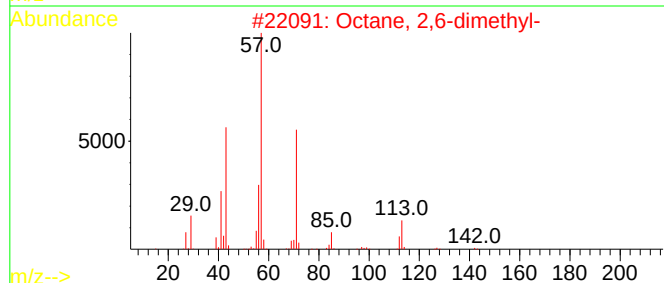
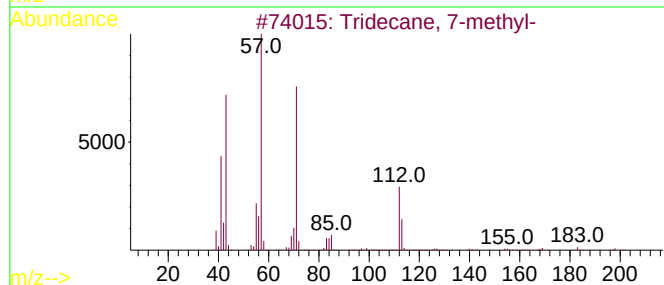
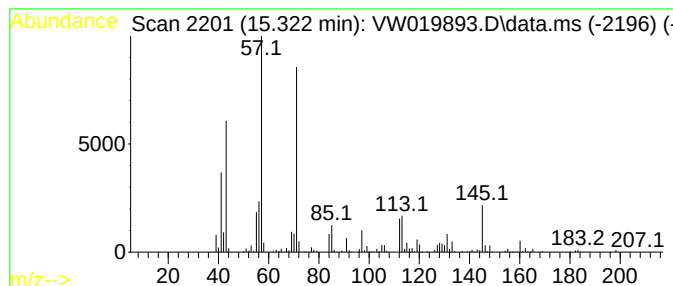
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	16.89 ug/L	847915	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	70
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	58
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	58
5			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

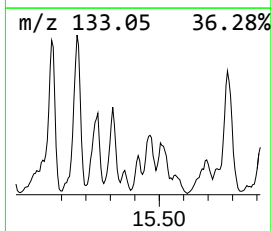
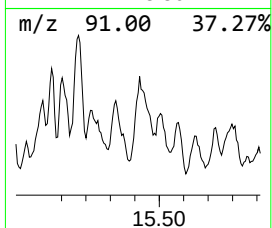
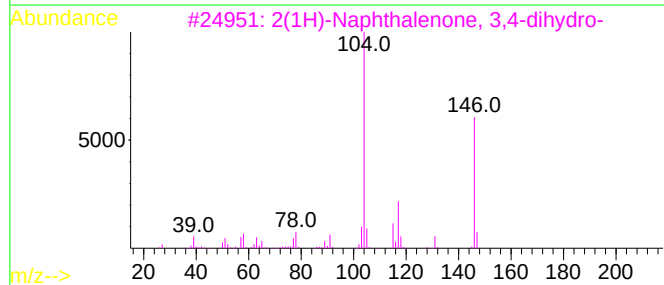
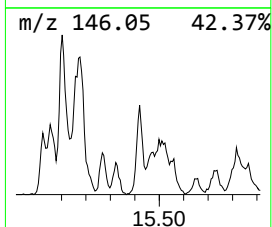
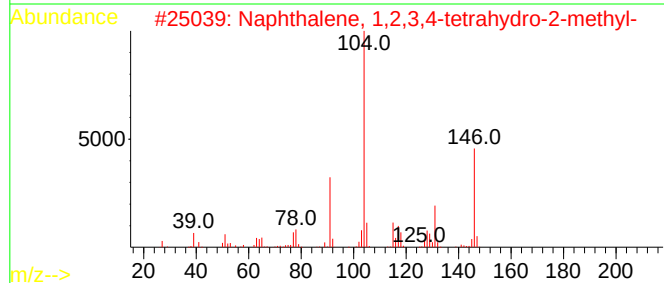
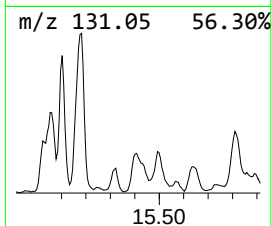
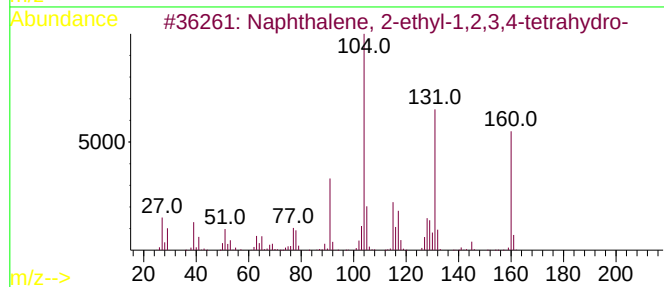
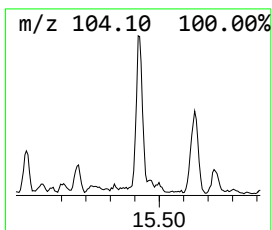
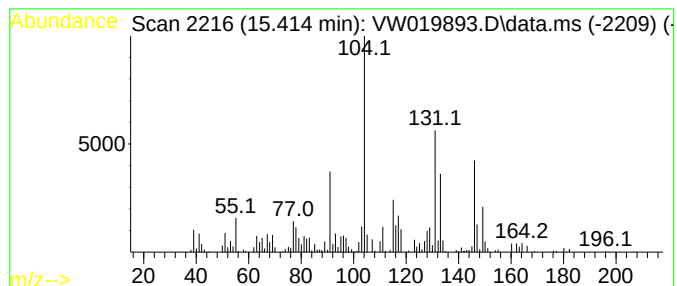
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 75 Naphthalene, 2-ethyl-1,2,3,... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.414	6.12 ug/L	306973	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	60
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	49
3			2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	46
4			2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	46
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

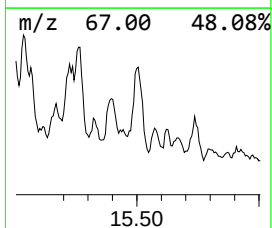
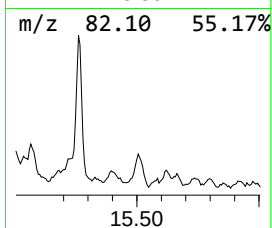
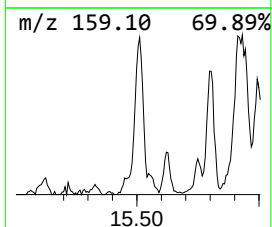
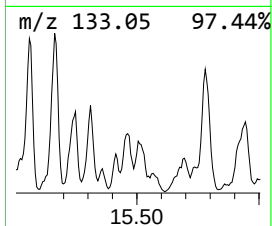
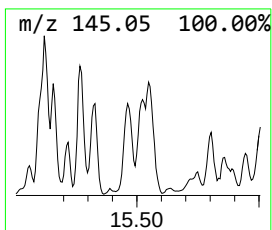
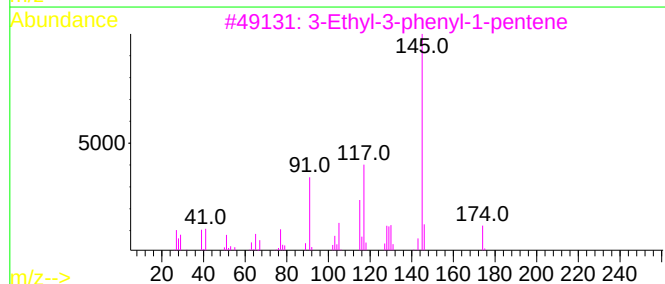
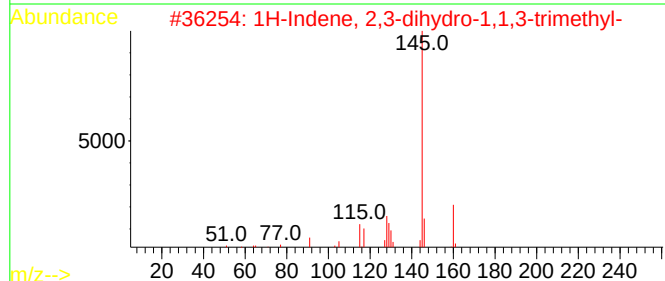
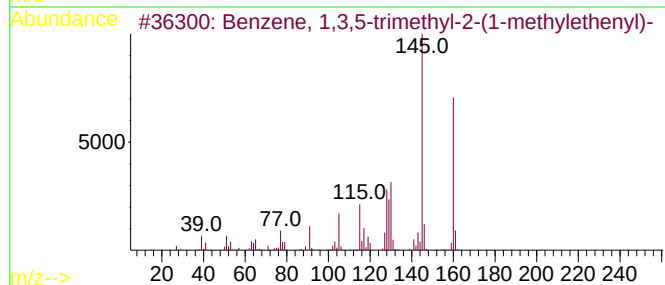
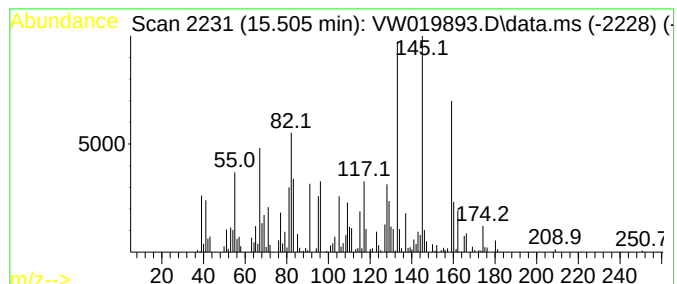
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 76 unknown-11 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.505	5.58 ug/L	280255	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	42
2			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	41
3			3-Ethyl-3-phenyl-1-pentene	174	C13H18	019781-34-1	30
4			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	30
5			2-Methyl-4-phenyl-3-butyne-2-ol	160	C11H12O	001719-19-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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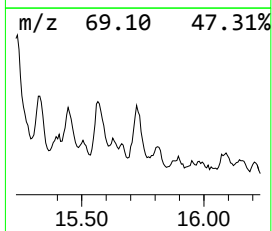
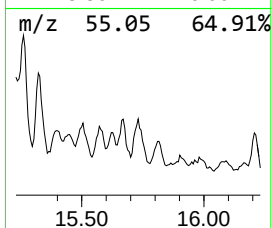
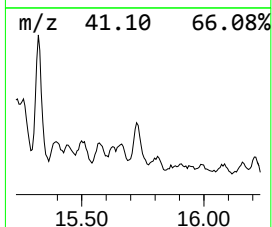
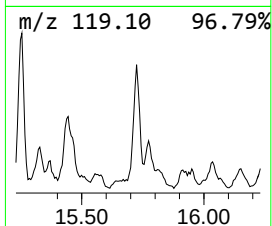
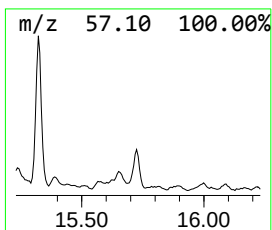
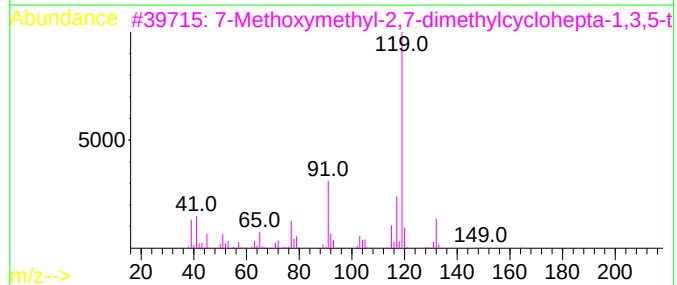
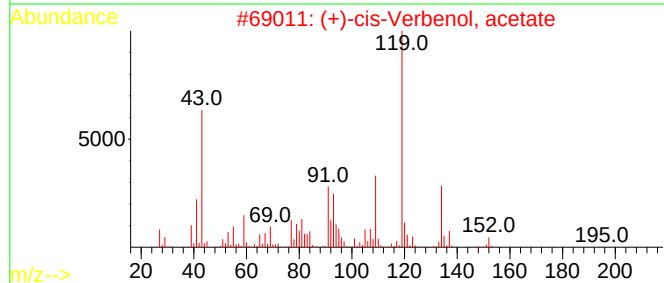
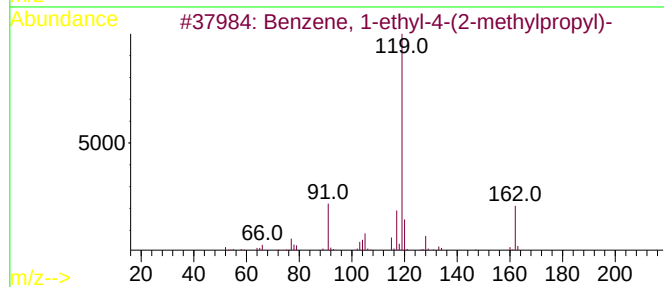
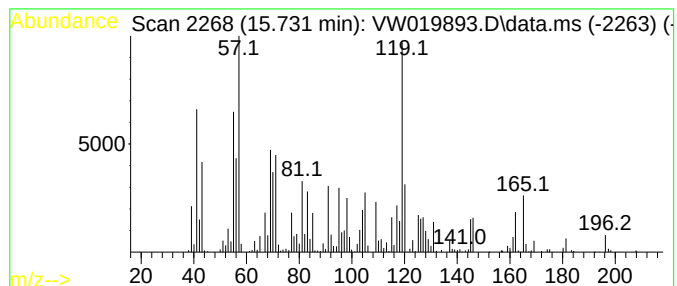
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 77 unknown-12 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	6.16 ug/L	308984	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	27
2			(+)-cis-Verbenol, acetate	194	C12H18O2	029135-27-1	22
3			7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	22
4			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	22
5			1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

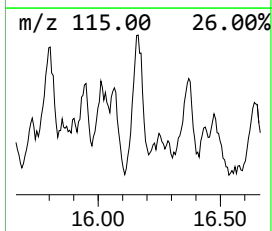
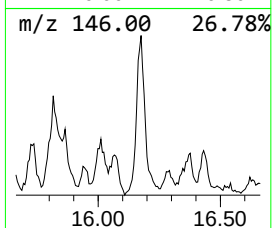
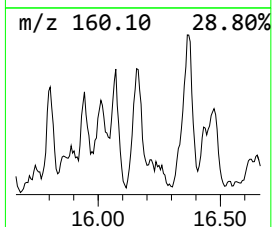
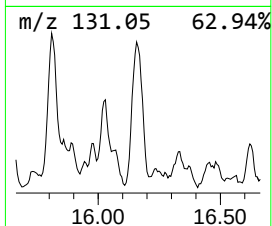
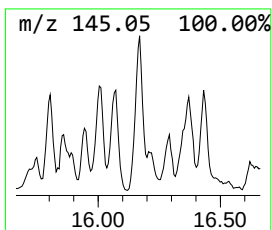
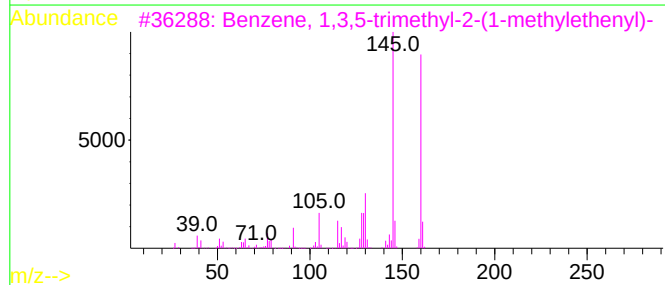
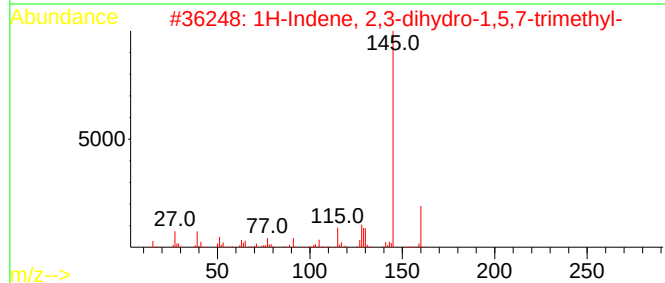
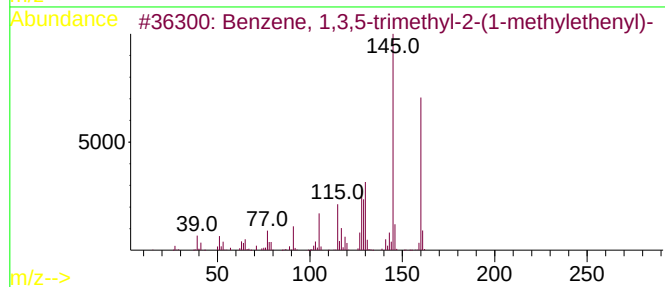
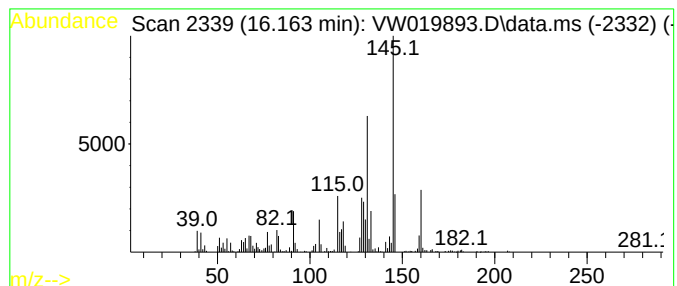
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 78 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	7.23 ug/L	362802	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	58
2			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	58
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	52
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	52
5			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

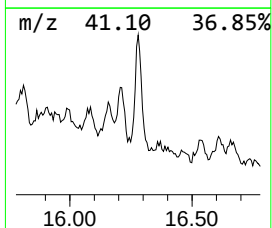
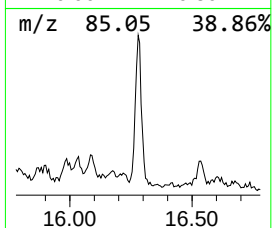
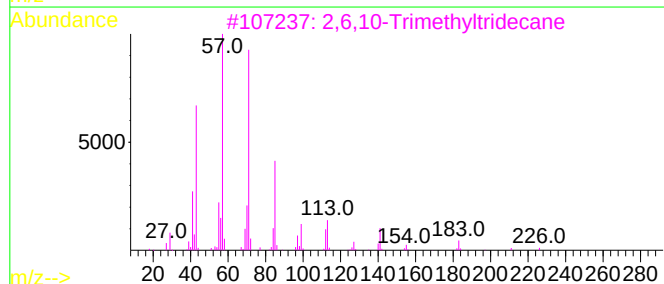
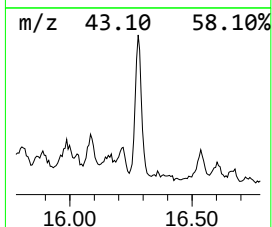
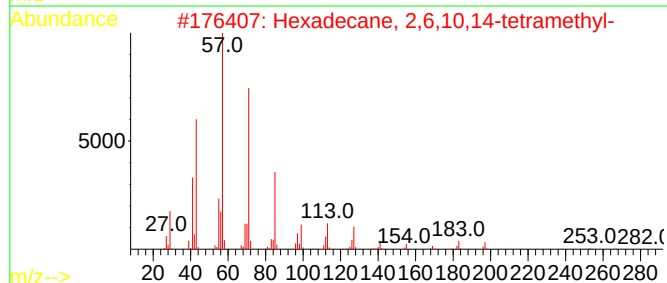
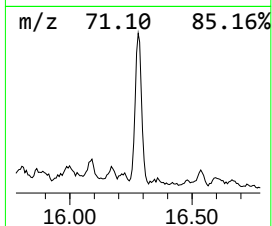
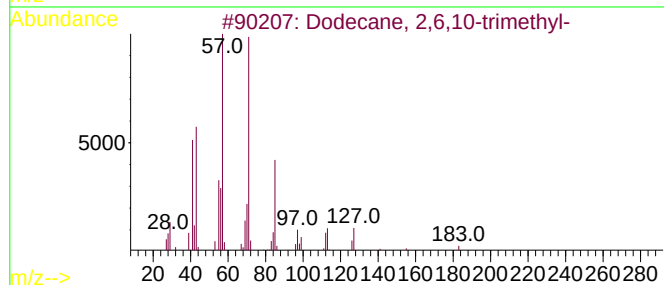
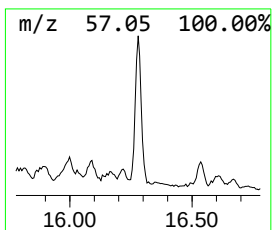
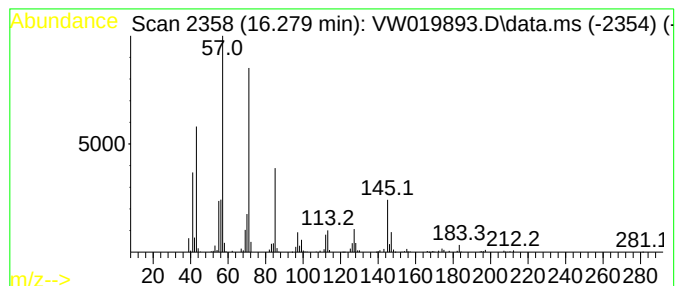
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	5.06 ug/L	253979	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
3			2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	59
4			Nonane, 5-butyl-	184	C13H28	017312-63-9	58
5			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019893.D
Acq On : 25 Aug 2021 11:36
Operator : SY/VA
Sample : M3526-09
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

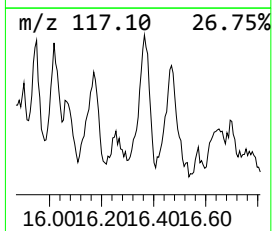
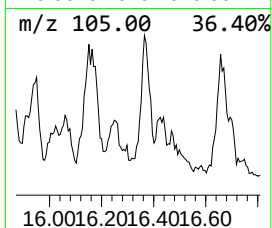
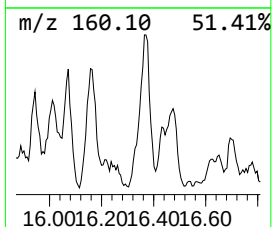
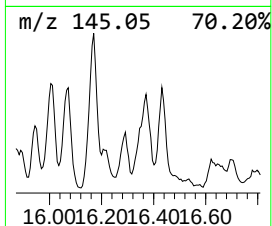
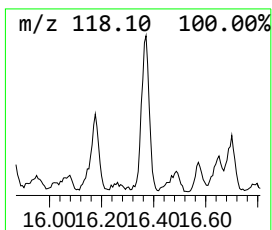
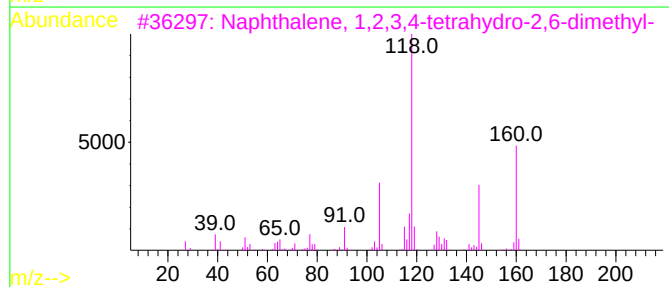
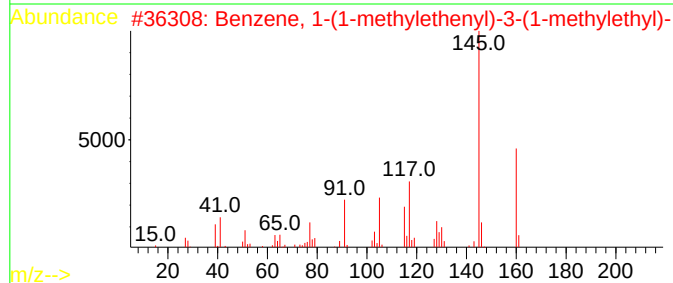
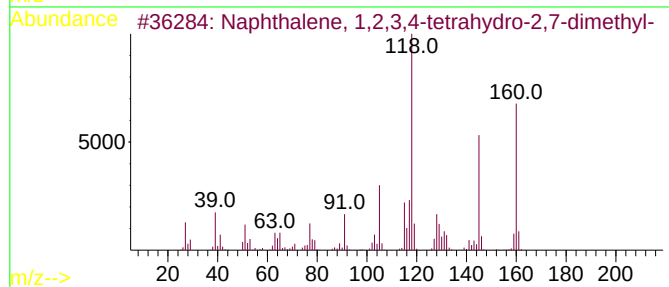
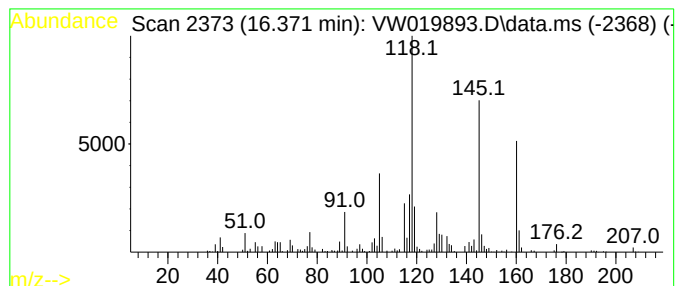
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 80 Naphthalene, 1,2,3,4-tetra... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	3.71 ug/L	186049	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
2			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	90
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	74
4			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	50
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
 Data File : VW019893.D
 Acq On : 25 Aug 2021 11:36
 Operator : SY/VA
 Sample : M3526-09
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7D1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	6.726	3.4	ug/L	135826	1	8.848	999099	25.0
(DEL) Alkane: S...	6.885	13.2	ug/L	527847	1	8.848	999099	25.0
(DEL) Alkane: S...	8.037	52.1	ug/L	2081670	1	8.848	999099	25.0
(DEL) Alkane: C...	8.226	9.9	ug/L	394273	1	8.848	999099	25.0
(DEL) Alkane: S...	8.433	47.4	ug/L	1895340	1	8.848	999099	25.0
(DEL) Alkane: C...	8.512	23.9	ug/L	953649	1	8.848	999099	25.0
(DEL) Alkane: C...	8.579	19.9	ug/L	797177	1	8.848	999099	25.0
(DEL) Alkane: S...	9.152	5.4	ug/L	215898	1	8.848	999099	25.0
(DEL) Alkane: S...	9.390	41.5	ug/L	1656620	1	8.848	999099	25.0
(DEL) Alkane: C...	9.616	218.1	ug/L	8714720	1	8.848	999099	25.0
(DEL) Alkane: C...	9.756	158.8	ug/L	6346450	1	8.848	999099	25.0
(DEL) Alkane: S...	9.902	35.8	ug/L	1432150	1	8.848	999099	25.0
(DEL) Alkane: S...	9.945	46.4	ug/L	1855320	1	8.848	999099	25.0
(DEL) Alkane: S...	10.085	52.0	ug/L	2078340	1	8.848	999099	25.0
(DEL) Alkane: S...	10.128	29.0	ug/L	1158060	1	8.848	999099	25.0
(DEL) Alkane: C...	10.219	23.5	ug/L	938508	1	8.848	999099	25.0
(DEL) Alkane: C...	10.451	19.4	ug/L	773550	2	11.634	994102	25.0
(DEL) Alkane: C...	10.494	68.9	ug/L	2739480	2	11.634	994102	25.0
(DEL) Alkane: C...	10.671	172.0	ug/L	6838290	2	11.634	994102	25.0
(DEL) Alkane: C...	10.762	60.8	ug/L	2415830	2	11.634	994102	25.0
(DEL) Alkane: C...	10.811	6.8	ug/L	272431	2	11.634	994102	25.0
(DEL) Alkane: S...	10.847	25.6	ug/L	1018250	2	11.634	994102	25.0
(DEL) Alkane: S...	11.036	82.8	ug/L	3291190	2	11.634	994102	25.0
(DEL) Alkane: C...	11.116	22.0	ug/L	875384	2	11.634	994102	25.0
(DEL) Alkane: C...	11.146	34.8	ug/L	1385390	2	11.634	994102	25.0
(DEL) Alkane: C...	11.231	401.6	ug/L	15968500	2	11.634	994102	25.0
(DEL) Alkane: C...	11.286	23.7	ug/L	943511	2	11.634	994102	25.0
unknown-01	11.335	127.4	ug/L	5065350	2	11.634	994102	25.0
(DEL) Alkane: S...	11.384	20.1	ug/L	797878	2	11.634	994102	25.0
(DEL) Alkane: C...	11.439	115.4	ug/L	4588800	2	11.634	994102	25.0
(DEL) Alkane: S...	11.506	15.0	ug/L	596197	2	11.634	994102	25.0
(DEL) Alkane: C...	11.567	20.1	ug/L	797924	2	11.634	994102	25.0
(DEL) Alkane: C...	11.768	55.4	ug/L	2203710	2	11.634	994102	25.0
(DEL) Alkane: S...	11.811	63.3	ug/L	2516910	2	11.634	994102	25.0
(DEL) Alkane: C...	11.871	109.3	ug/L	4345020	2	11.634	994102	25.0
(DEL) Alkane: C...	11.914	89.9	ug/L	3574380	2	11.634	994102	25.0
(DEL) Alkane: S...	11.975	29.0	ug/L	1154080	2	11.634	994102	25.0
unknown-02	12.048	36.3	ug/L	1443820	2	11.634	994102	25.0
(DEL) Alkane: C...	12.140	177.1	ug/L	7040500	2	11.634	994102	25.0
(DEL) Alkane: C...	12.225	40.8	ug/L	1621150	2	11.634	994102	25.0
(DEL) Alkane: C...	12.304	50.2	ug/L	1994770	2	11.634	994102	25.0
(DEL) Alkane: S...	12.365	162.1	ug/L	6446600	2	11.634	994102	25.0
(DEL) Alkane: S...	12.451	20.2	ug/L	801783	2	11.634	994102	25.0
(DEL) Alkane: S...	12.506	48.2	ug/L	1917610	2	11.634	994102	25.0
Bicyclo[4.1.0]h...	12.560	9.0	ug/L	356881	2	11.634	994102	25.0
(DEL) Alkane: S...	12.621	16.0	ug/L	801950	3	13.560	1254760	25.0
(DEL) Alkane: C...	12.780	107.7	ug/L	5407120	3	13.560	1254760	25.0
trans-4-Methylc...	12.859	43.2	ug/L	2170380	3	13.560	1254760	25.0
unknown-03	12.938	89.0	ug/L	4467240	3	13.560	1254760	25.0
Oxalic acid, di...	12.993	23.0	ug/L	1152590	3	13.560	1254760	25.0
(DEL) Alkane: C...	13.048	4.8	ug/L	238965	3	13.560	1254760	25.0
Dichloroacetic ...	13.079	15.0	ug/L	752343	3	13.560	1254760	25.0

Sulfurous acid,...	13.121	8.4	ug/L	423191	3	13.560	1254760	25.0
(DEL) Alkane: S...	13.164	48.9	ug/L	2455800	3	13.560	1254760	25.0
(-)-trans-Pinane	13.262	10.3	ug/L	515678	3	13.560	1254760	25.0
(DEL) Alkane: S...	13.292	4.6	ug/L	230578	3	13.560	1254760	25.0
unknown-04	13.377	5.8	ug/L	291052	3	13.560	1254760	25.0
(DEL) Alkane: C...	13.451	50.6	ug/L	2540590	3	13.560	1254760	25.0
(DEL) Alkane: C...	13.694	17.5	ug/L	878745	3	13.560	1254760	25.0
Ketone, 2,2-dim...	13.975	10.1	ug/L	506412	3	13.560	1254760	25.0
unknown-05	14.011	4.7	ug/L	236034	3	13.560	1254760	25.0
unknown-06	14.194	9.3	ug/L	465294	3	13.560	1254760	25.0
unknown-07	14.267	9.8	ug/L	489200	3	13.560	1254760	25.0
Cyclohexene,1-h...	14.316	6.4	ug/L	322038	3	13.560	1254760	25.0
unknown-08	14.383	30.0	ug/L	1504290	3	13.560	1254760	25.0
1-Methyldecahyd...	14.548	20.4	ug/L	1022280	3	13.560	1254760	25.0
unknown-09	14.603	4.1	ug/L	205107	3	13.560	1254760	25.0
unknown-10	14.737	5.3	ug/L	268035	3	13.560	1254760	25.0
1,3-Cyclopentad...	14.792	15.9	ug/L	797353	3	13.560	1254760	25.0
(DEL) Alkane: S...	14.841	19.9	ug/L	999611	3	13.560	1254760	25.0
Benzene, pentam...	15.060	6.1	ug/L	308040	3	13.560	1254760	25.0
Naphthalene, 1,...	15.170	7.5	ug/L	375213	3	13.560	1254760	25.0
(DEL) Alkane: S...	15.322	16.9	ug/L	847915	3	13.560	1254760	25.0
Naphthalene, 2-...	15.414	6.1	ug/L	306973	3	13.560	1254760	25.0
unknown-11	15.505	5.6	ug/L	280255	3	13.560	1254760	25.0
unknown-12	15.731	6.2	ug/L	308984	3	13.560	1254760	25.0
Benzene, 1,3,5-...	16.163	7.2	ug/L	362802	3	13.560	1254760	25.0
(DEL) Alkane: S...	16.279	5.1	ug/L	253979	3	13.560	1254760	25.0
Naphthalene, 1,...	16.371	3.7	ug/L	186049	3	13.560	1254760	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW7D1