

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020348.D
 Acq On : 07 Oct 2021 05:51
 Operator : SY/VA
 Sample : M4000-19
 Misc : 7.74g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW912

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\SFAMWLM100621SMA.M
 Title : SFAM01.0

Signal : TIC: VW020348.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	64	73	82	rVB	106980	179358	2.48%	0.120%
2	3.385	234	243	256	rBV	55207	138282	1.91%	0.092%
3	4.019	336	347	359	rBV2	127275	381489	5.27%	0.255%
4	4.952	479	500	532	rVB5	49507	340485	4.71%	0.227%
5	5.440	567	580	596	rBV	41650	147071	2.03%	0.098%
6	5.940	649	662	676	rBV	65652	197453	2.73%	0.132%
7	6.988	822	834	843	rVV	206585	616696	8.52%	0.412%
8	7.653	931	943	948	rBV	201127	522173	7.22%	0.349%
9	7.958	980	993	1001	rVV	325362	895595	12.38%	0.598%
10	8.037	1001	1006	1017	rVV2	76409	203080	2.81%	0.136%
11	8.159	1017	1026	1031	rVV	91893	208784	2.89%	0.139%
12	8.226	1031	1037	1039	rVV	94459	208161	2.88%	0.139%
13	8.275	1039	1045	1061	rVV2	393514	1204166	16.64%	0.804%
14	8.439	1061	1072	1078	rVV3	157891	462628	6.39%	0.309%
15	8.506	1078	1083	1088	rVV	119872	283423	3.92%	0.189%
16	8.573	1088	1094	1106	rVV	465958	1070691	14.80%	0.715%
17	8.842	1129	1138	1151	rBV	472797	1065624	14.73%	0.712%
18	9.116	1178	1183	1200	rVB	81778	191099	2.64%	0.128%
19	9.299	1200	1213	1214	rBV2	459647	1132005	15.64%	0.756%
20	9.335	1215	1219	1236	rVB	1081079	2284128	31.56%	1.525%
21	9.518	1243	1249	1254	rVB	98802	181410	2.51%	0.121%
22	9.610	1254	1264	1271	rVB	358700	733546	10.14%	0.490%
23	9.750	1278	1287	1296	rVB	828021	1720849	23.78%	1.149%
24	9.854	1296	1304	1309	rBV2	512140	948693	13.11%	0.633%
25	9.902	1309	1312	1315	rVV3	88429	169971	2.35%	0.113%
26	9.945	1315	1319	1325	rVV2	240198	474543	6.56%	0.317%
27	10.037	1325	1334	1337	rVV2	145481	368452	5.09%	0.246%
28	10.085	1337	1342	1347	rVV	500122	1007027	13.92%	0.672%
29	10.207	1356	1362	1373	rVB3	403086	927041	12.81%	0.619%
30	10.323	1373	1381	1397	rBV2	1561380	3395475	46.92%	2.267%
31	10.506	1402	1411	1419	rVB5	805228	2111174	29.17%	1.410%
32	10.622	1425	1430	1433	rBV	684099	1090828	15.07%	0.728%
33	10.665	1433	1437	1444	rVB	1493831	2640535	36.49%	1.763%
34	10.744	1444	1450	1458	rBV4	975732	2428641	33.56%	1.622%
35	10.811	1458	1461	1466	rVB2	139923	188214	2.60%	0.126%
36	10.927	1471	1480	1487	rBV4	289265	900547	12.44%	0.601%

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Integrator: RTE

Smoothing : OFF

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Min Area: 0 % of largest Peak

Start Thrs: 0.2

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Stop Thrs : 0

Peak Location: TOP

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Title : SFAM01.0

37	11.018	1487	1495	1498	rBV4	172228	431711	5.97%	0.288%
38	11.061	1498	1502	1506	rVB2	163255	221315	3.06%	0.148%
39	11.146	1506	1516	1520	rBV4	1066431	2497963	34.52%	1.668%
40	11.231	1524	1530	1535	rVV	3516525	6002796	82.95%	4.008%
41	11.286	1535	1539	1542	rVV	588604	820937	11.34%	0.548%
42	11.329	1542	1546	1551	rVB	1037388	1763855	24.37%	1.178%
43	11.378	1551	1554	1558	rVB	162027	213518	2.95%	0.143%
44	11.439	1558	1564	1573	rVB2	1484340	3118584	43.09%	2.082%
45	11.549	1573	1582	1590	rBV8	298336	911738	12.60%	0.609%
46	11.634	1590	1596	1599	rBV2	692563	1316132	18.19%	0.879%
47	11.670	1599	1602	1608	rVB3	220180	494383	6.83%	0.330%
48	11.768	1613	1618	1622	rVV	1611259	2665041	36.83%	1.779%
49	11.817	1622	1626	1630	rVV3	549843	978241	13.52%	0.653%
50	11.896	1630	1639	1647	rVB4	1251807	3900517	53.90%	2.604%
51	11.975	1647	1652	1657	rBV2	766185	1494203	20.65%	0.998%
52	12.036	1657	1662	1667	rBV	597004	959168	13.25%	0.640%
53	12.140	1672	1679	1686	rBV2	2302979	4737912	65.47%	3.163%
54	12.231	1686	1694	1696	rBV3	562051	1222478	16.89%	0.816%
55	12.359	1702	1715	1721	rBV2	2328494	7236579	100.00%	4.832%
56	12.420	1721	1725	1726	rVV	407632	555703	7.68%	0.371%
57	12.451	1727	1730	1737	rVV6	518438	1096075	15.15%	0.732%
58	12.530	1738	1743	1747	rVV3	579465	1030401	14.24%	0.688%
59	12.609	1752	1756	1760	rBV4	301396	534160	7.38%	0.357%
60	12.695	1765	1770	1776	rBV3	770276	1396877	19.30%	0.933%
61	12.780	1779	1784	1790	rVB2	2842631	4782824	66.09%	3.193%
62	12.865	1791	1798	1802	rBV3	583330	1287518	17.79%	0.860%
63	12.945	1804	1811	1823	rVB8	986735	3110888	42.99%	2.077%
64	13.042	1823	1827	1829	rBV3	212243	331064	4.57%	0.221%
65	13.085	1829	1834	1835	rBV3	634107	991801	13.71%	0.662%
66	13.164	1843	1847	1859	rVB2	1617393	3463510	47.86%	2.313%
67	13.292	1859	1868	1873	rBV3	709129	2071783	28.63%	1.383%
68	13.341	1873	1876	1880	rVB2	386867	535182	7.40%	0.357%
69	13.432	1888	1891	1896	rVB5	491855	888094	12.27%	0.593%
70	13.481	1896	1899	1903	rBV	557316	732238	10.12%	0.489%
71	13.518	1903	1905	1908	rVV2	302384	351209	4.85%	0.234%
72	13.554	1908	1911	1919	rVB3	821403	1341166	18.53%	0.895%
73	13.627	1919	1923	1930	rBV4	559896	1318833	18.22%	0.881%
74	13.694	1930	1934	1939	rBV4	338400	571284	7.89%	0.381%
75	13.877	1958	1964	1969	rBV3	1918631	3323732	45.93%	2.219%
76	14.018	1984	1987	1992	rVB3	360944	658821	9.10%	0.440%

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 Title : SFAM01.0

77	14.091	1996	1999	2003	rVV	556050	829827	11.47%	0.554%
78	14.133	2003	2006	2011	rVB	681755	969522	13.40%	0.647%
79	14.207	2011	2018	2022	rBV3	1330996	2593452	35.84%	1.732%
80	14.255	2023	2026	2033	rVB4	491235	939968	12.99%	0.628%
81	14.347	2033	2041	2044	rBV2	1011587	2262153	31.26%	1.510%
82	14.383	2044	2047	2051	rVV3	1365240	2128944	29.42%	1.421%
83	14.426	2051	2054	2058	rVV3	730422	951486	13.15%	0.635%
84	14.493	2062	2065	2069	rBV2	746485	1045961	14.45%	0.698%
85	14.542	2069	2073	2080	rVB3	1103617	2260267	31.23%	1.509%
86	14.700	2095	2099	2101	rBV	460081	701217	9.69%	0.468%
87	14.731	2101	2104	2109	rVV4	508174	860967	11.90%	0.575%
88	14.798	2109	2115	2118	rVV3	1686447	3627525	50.13%	2.422%
89	14.835	2118	2121	2130	rVB	2221780	3972085	54.89%	2.652%
90	15.060	2152	2158	2162	rBV4	1114495	2183530	30.17%	1.458%
91	15.103	2162	2165	2170	rVV3	751617	1702980	23.53%	1.137%
92	15.170	2170	2176	2184	rVV3	2004363	6098451	84.27%	4.072%
93	15.243	2184	2188	2195	rVV6	1158675	2776702	38.37%	1.854%
94	15.322	2195	2201	2209	rVB3	2492899	4490607	62.05%	2.998%
95	15.517	2228	2233	2237	rVB4	488199	884402	12.22%	0.591%
96	15.725	2263	2267	2274	rBV4	709637	1250746	17.28%	0.835%
97	16.005	2308	2313	2320	rBV5	442220	1033812	14.29%	0.690%
98	16.164	2331	2339	2343	rBV4	520863	1465608	20.25%	0.979%
99	16.212	2344	2347	2353	rVV3	451940	774606	10.70%	0.517%
100	16.279	2353	2358	2365	rVB	870617	1586192	21.92%	1.059%

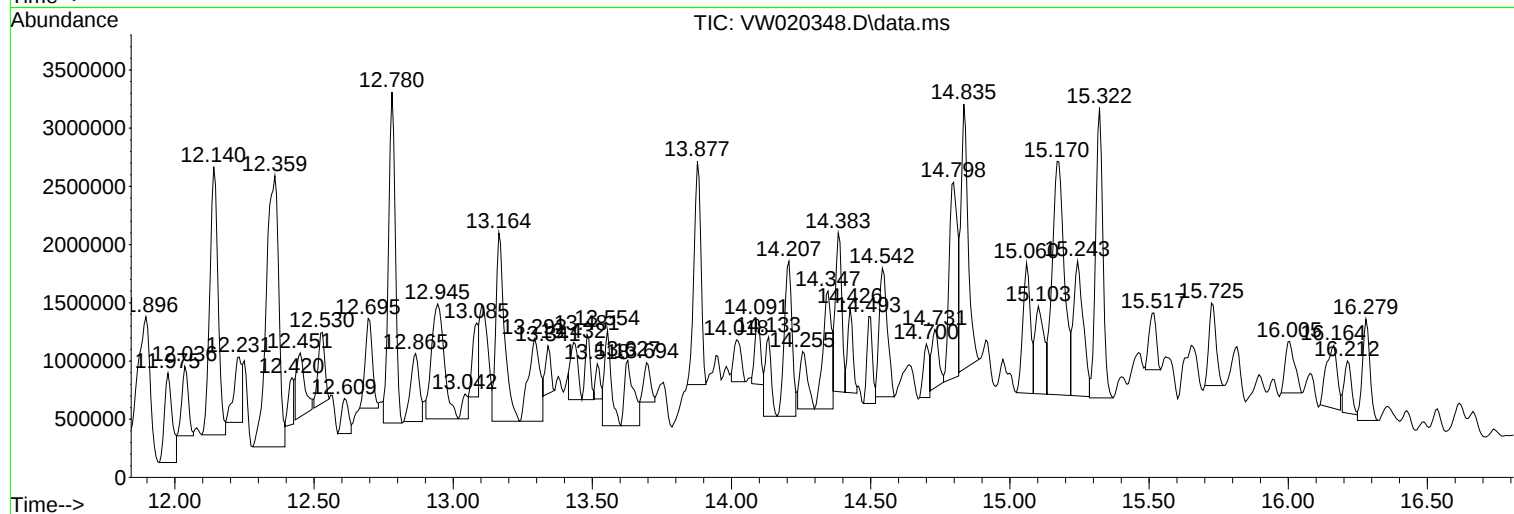
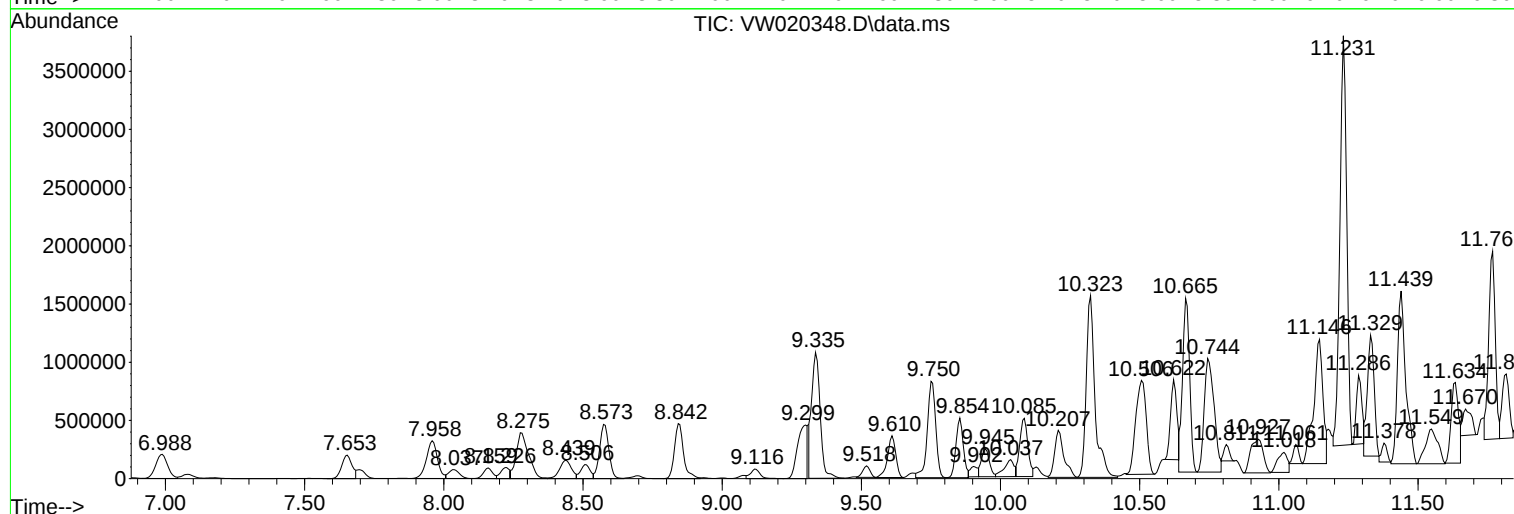
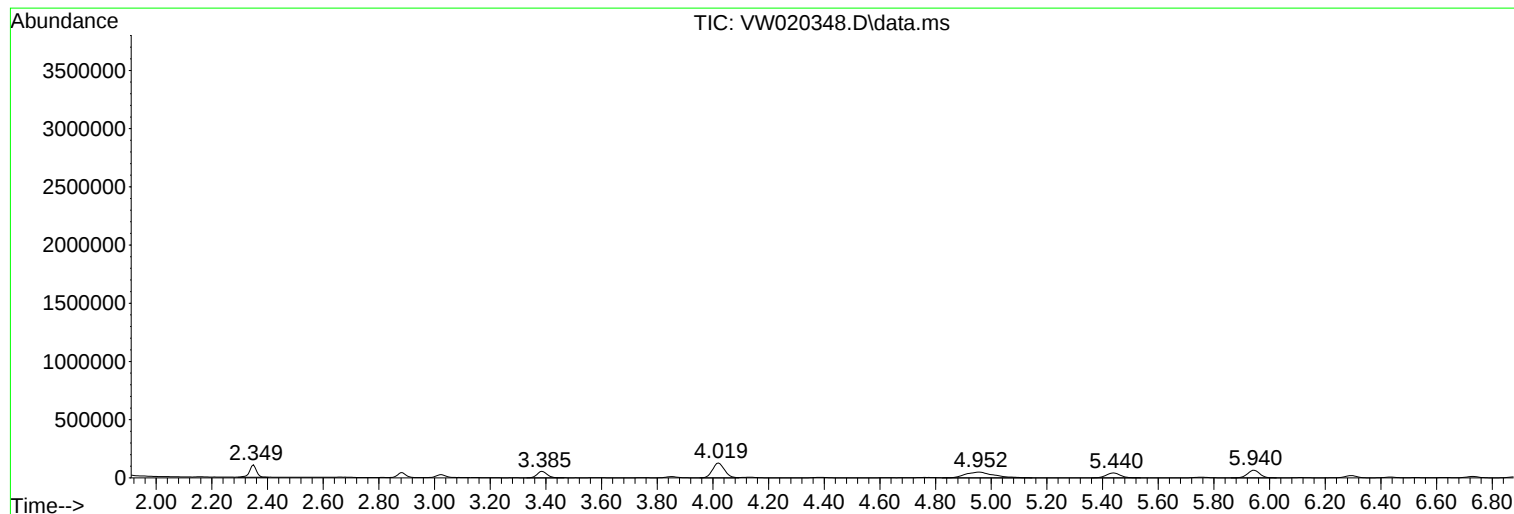
Sum of corrected areas: 149770581

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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



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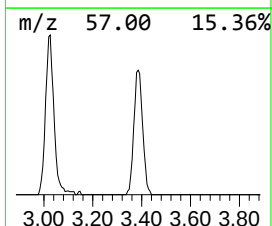
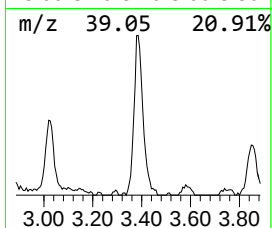
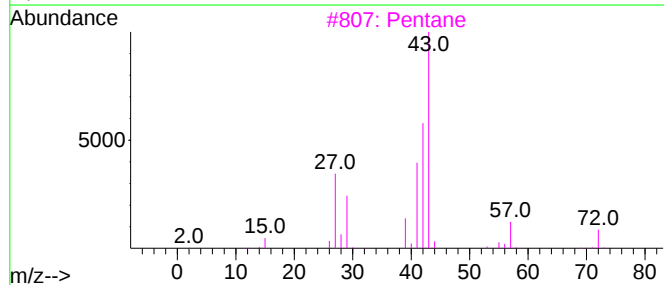
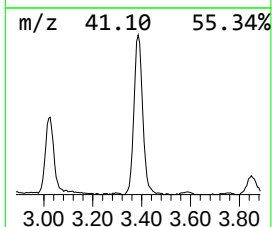
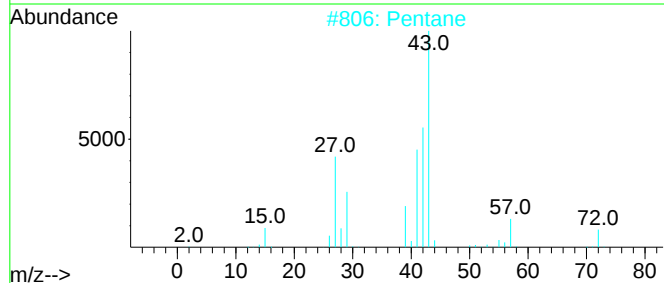
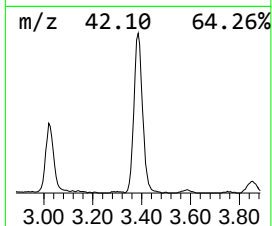
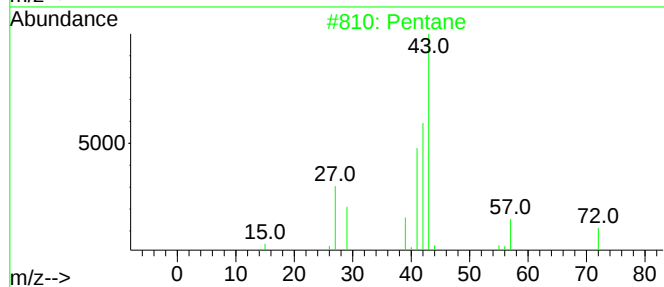
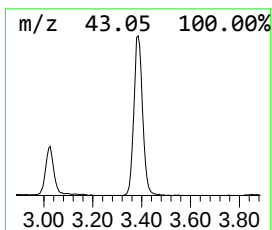
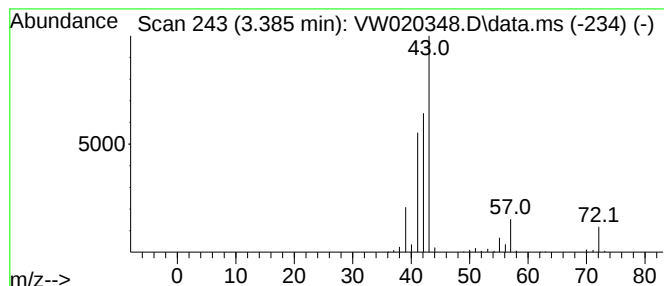
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.385	3.24 ug/L	138282	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	86
2	Pentane			72	C5H12	000109-66-0	86
3	Pentane			72	C5H12	000109-66-0	86
4	Pentane			72	C5H12	000109-66-0	72
5	Pentane			72	C5H12	000109-66-0	56



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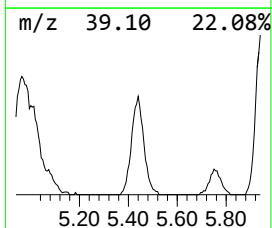
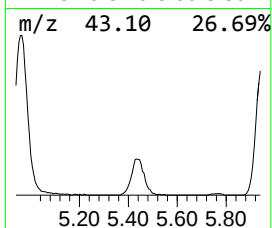
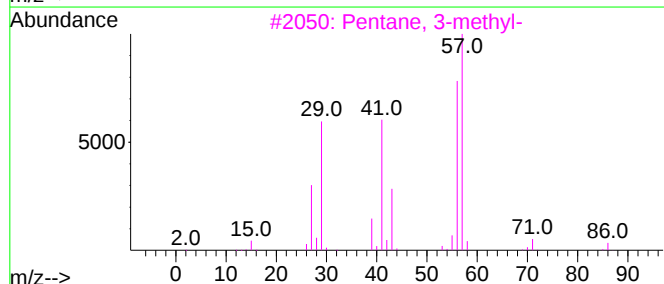
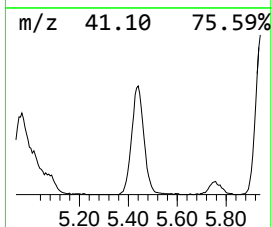
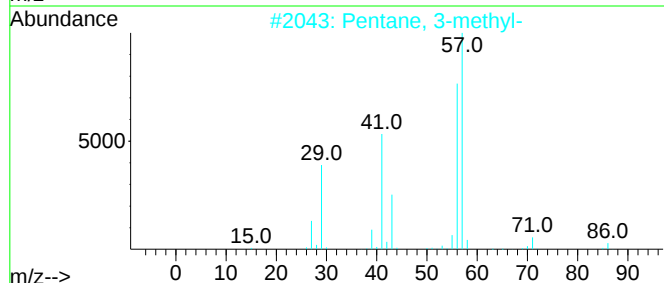
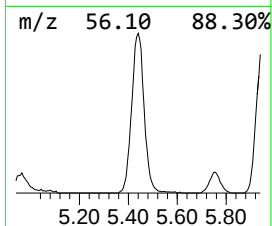
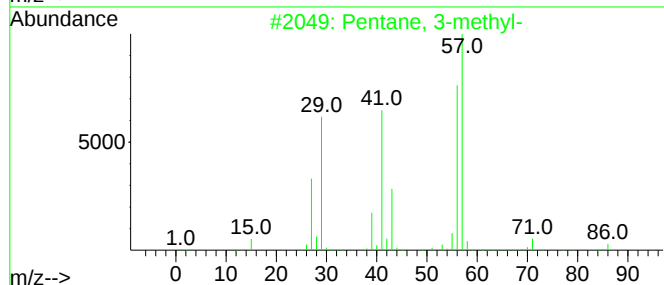
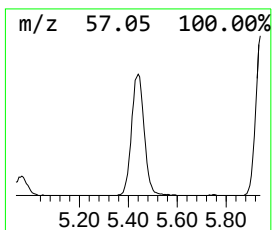
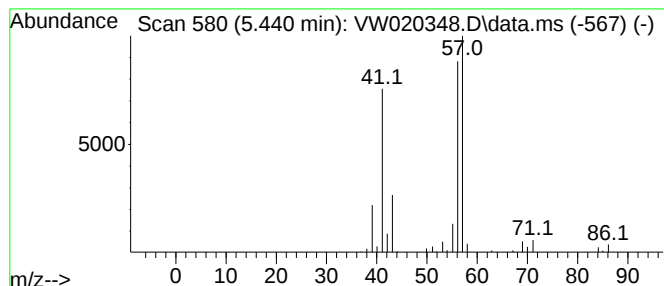
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.440	3.45 ug/L	147071	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78



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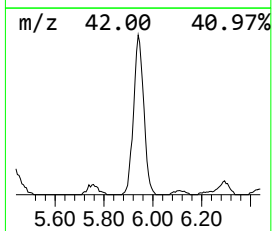
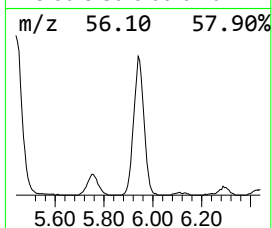
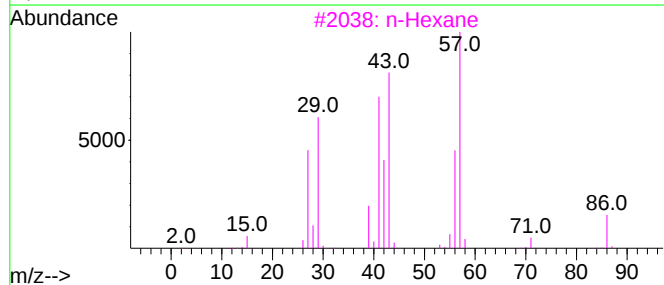
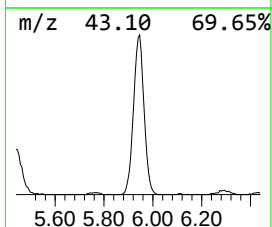
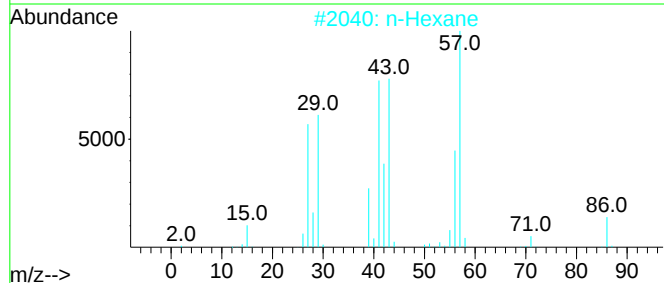
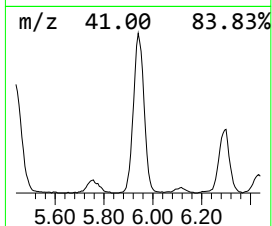
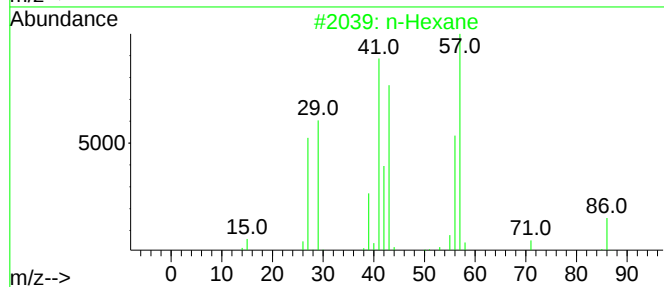
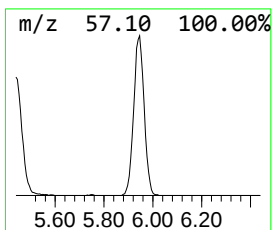
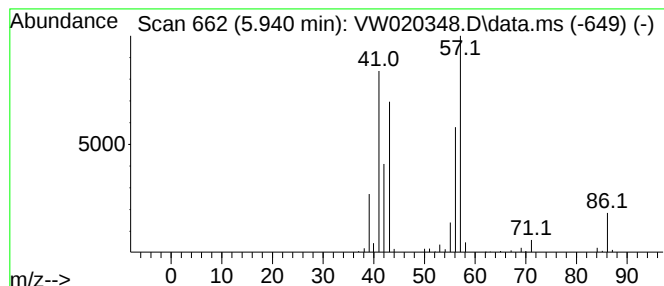
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.940	4.63 ug/L	197453	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	91
2	n-Hexane		86	C6H14	000110-54-3	91
3	n-Hexane		86	C6H14	000110-54-3	90
4	2-Ethyl-oxetane		86	C5H10O	1010386-40-2	72
5	n-Hexane		86	C6H14	000110-54-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

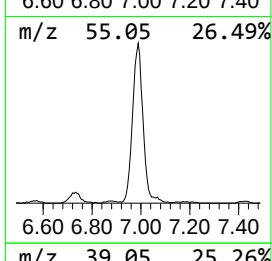
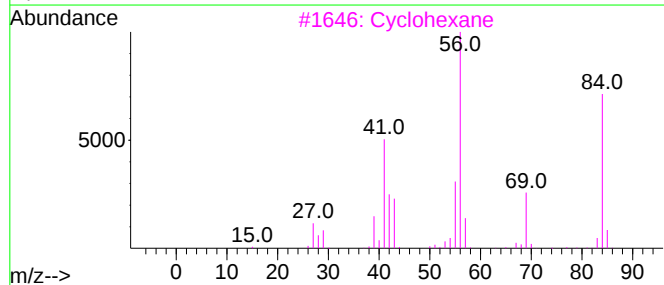
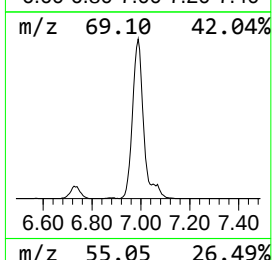
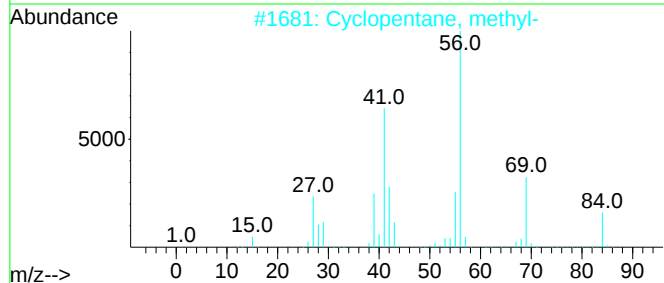
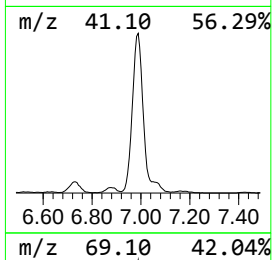
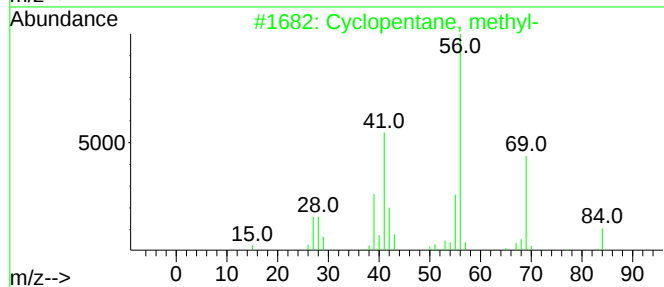
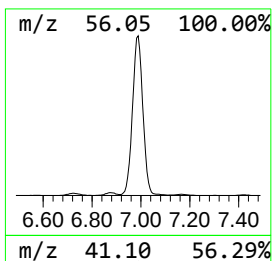
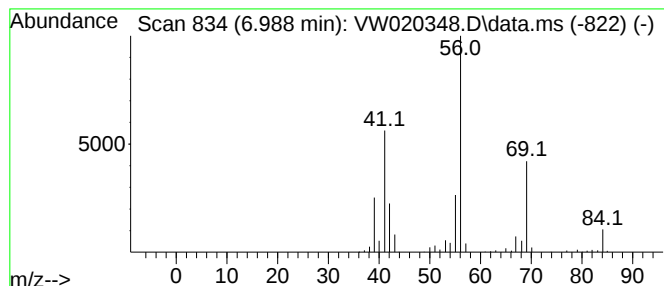
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic6.988 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.988	14.47 ug/L	616696	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3			Cyclohexane	84	C6H12	000110-82-7	78
4			Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5			Cyclopentane, methyl-	84	C6H12	000096-37-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

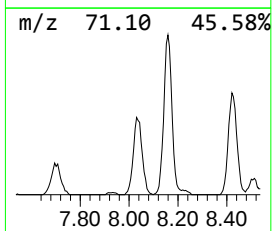
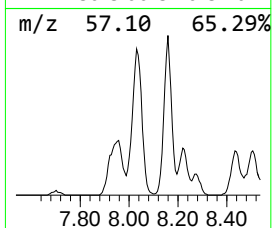
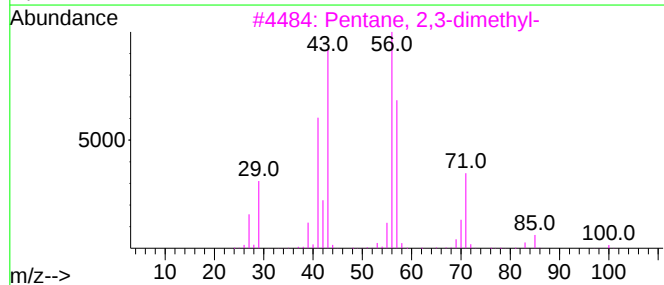
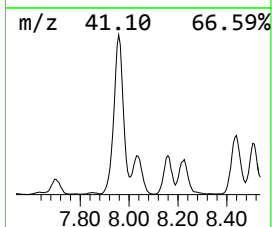
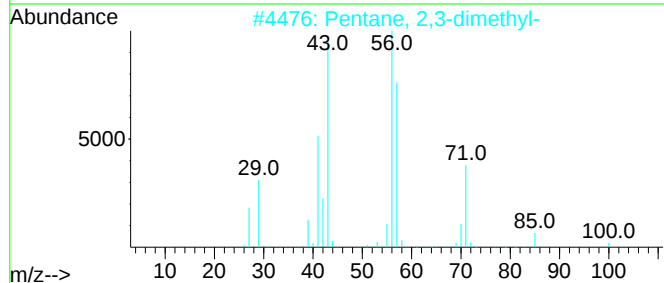
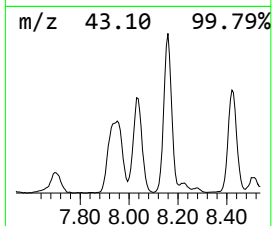
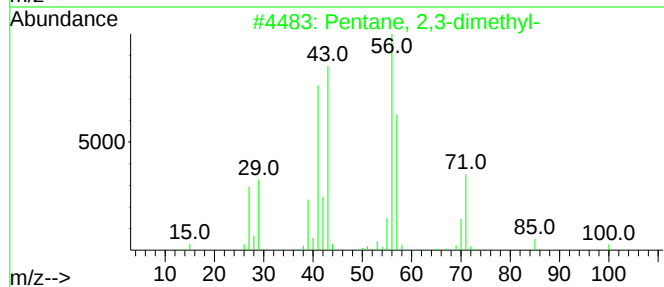
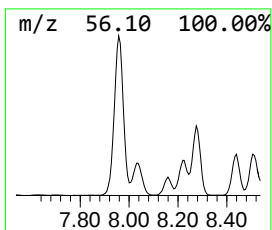
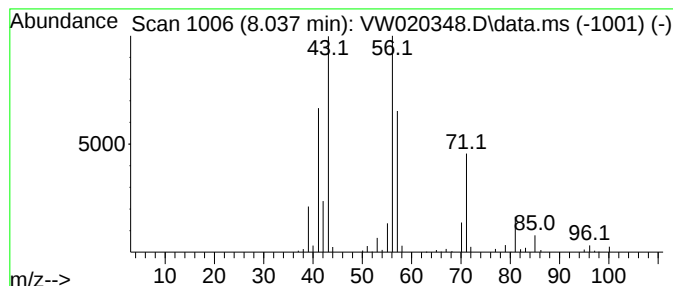
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	4.76 ug/L	203080	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	93
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

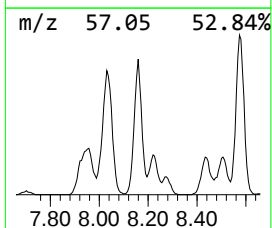
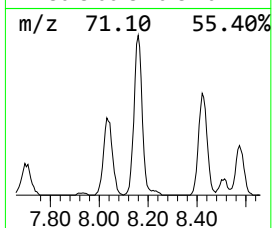
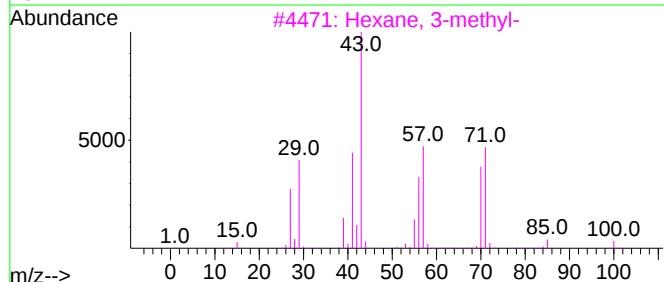
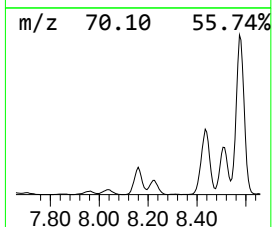
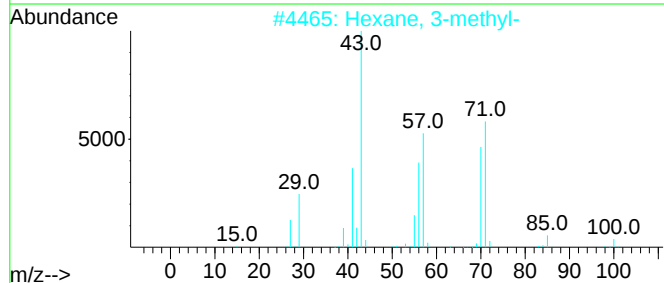
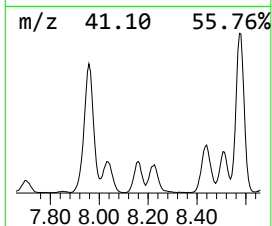
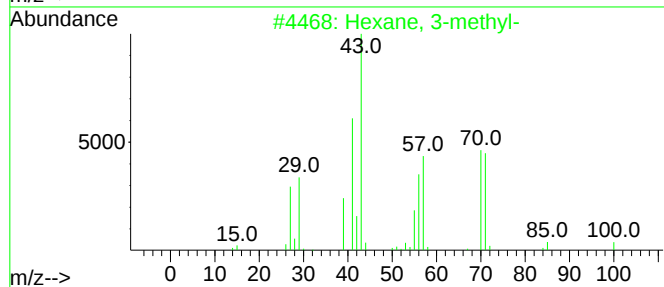
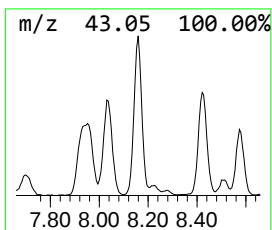
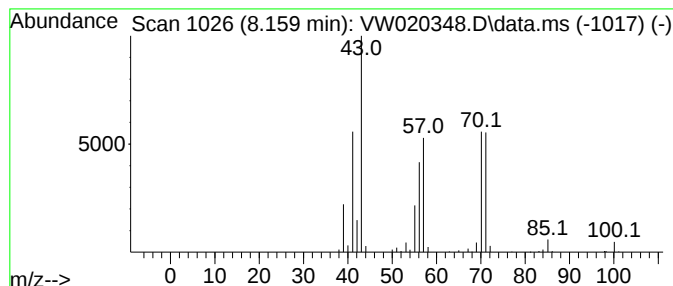
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	4.90 ug/L	208784	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4		Heptane	100	C7H16	000142-82-5	64
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

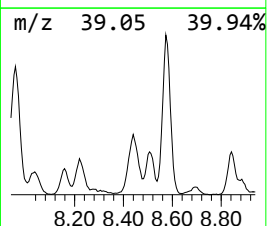
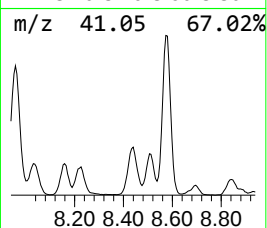
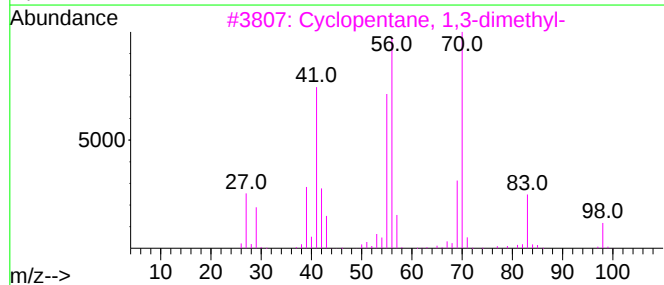
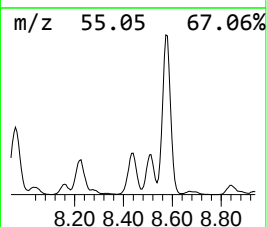
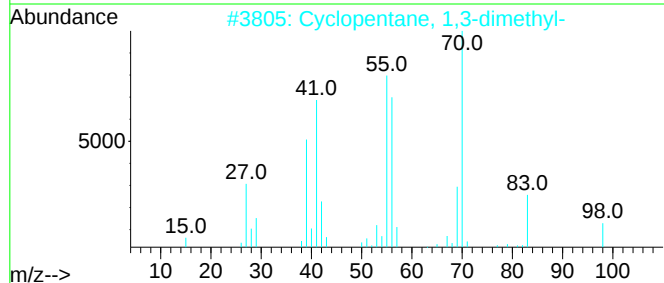
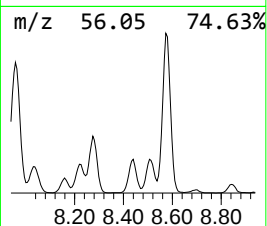
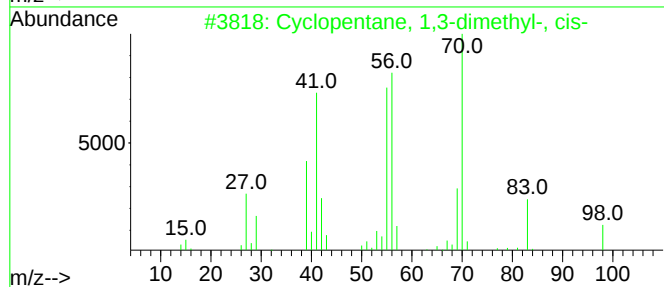
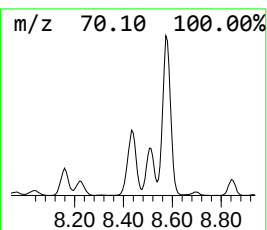
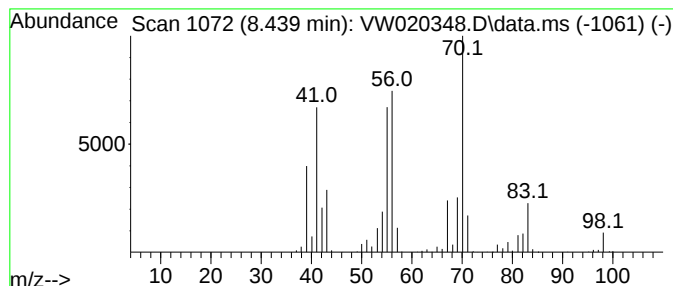
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.439 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	10.85 ug/L	462628	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
4			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
5			Isopropylcyclobutane	98	C7H14	000872-56-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

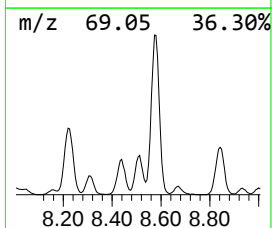
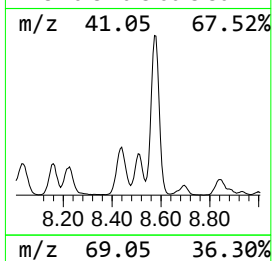
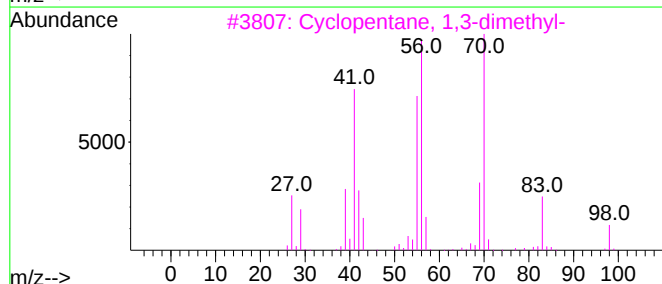
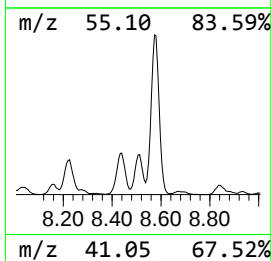
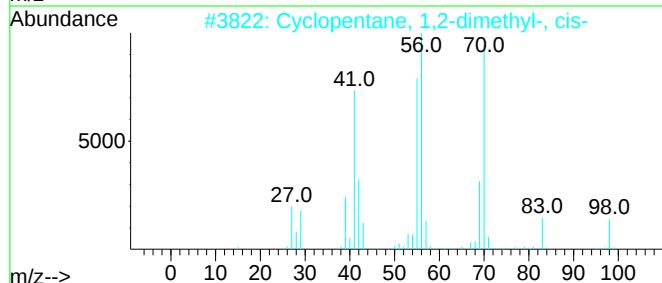
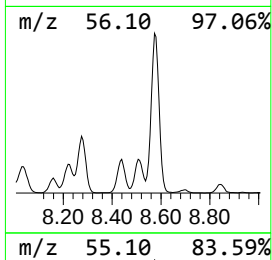
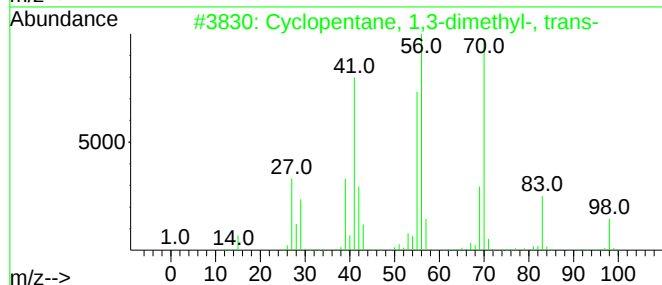
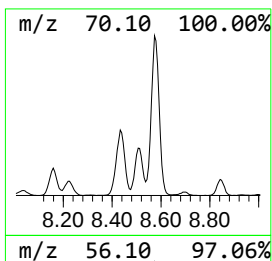
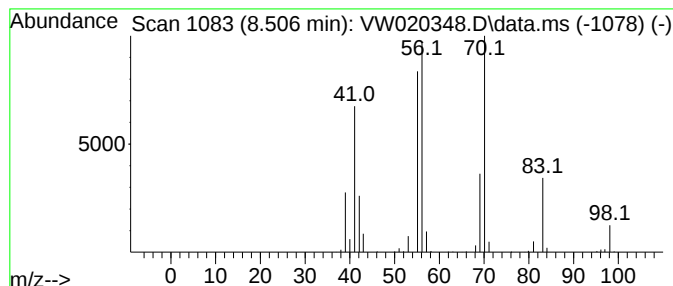
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic8.506 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.506	6.65 ug/L	283423	1,4-Difluorobenzene	8.848

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

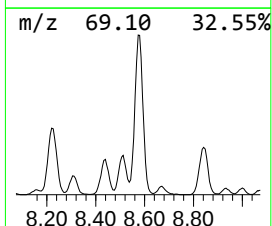
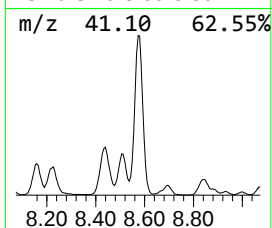
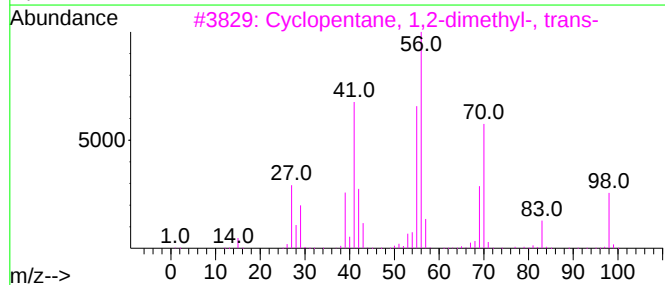
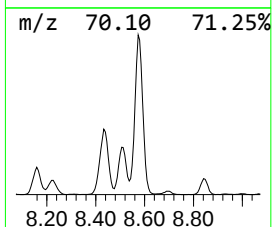
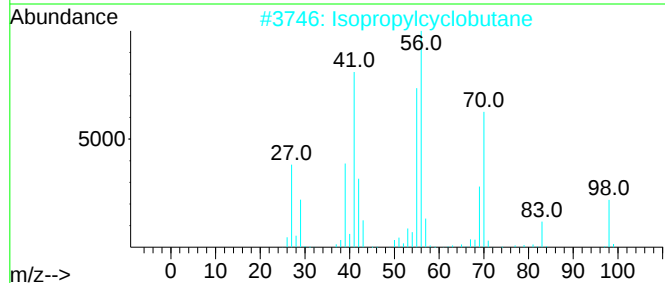
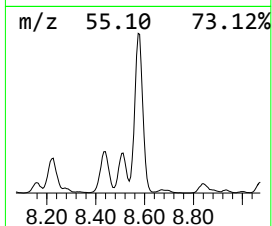
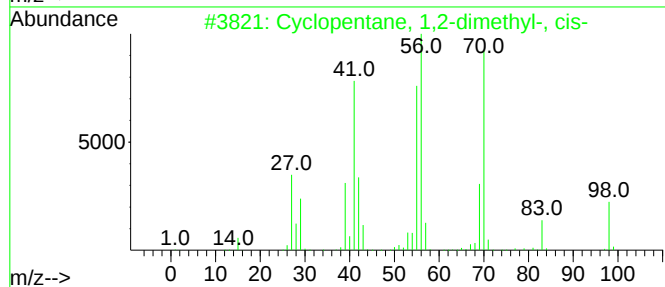
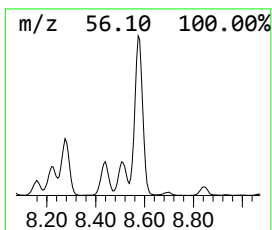
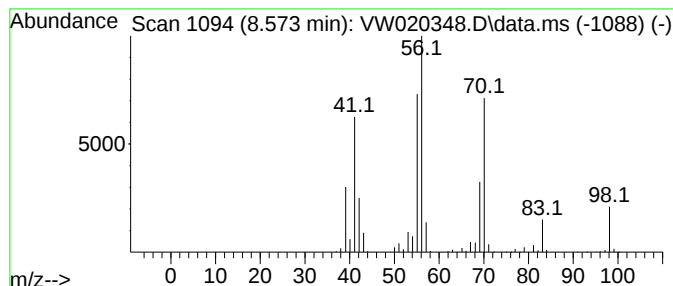
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic8.573 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	25.12 ug/L	1070690	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	97
2			Isopropylcyclobutane	98	C7H14	000872-56-0	95
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
5			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

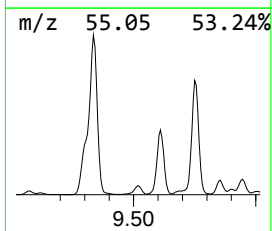
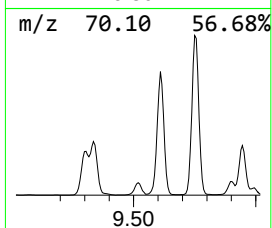
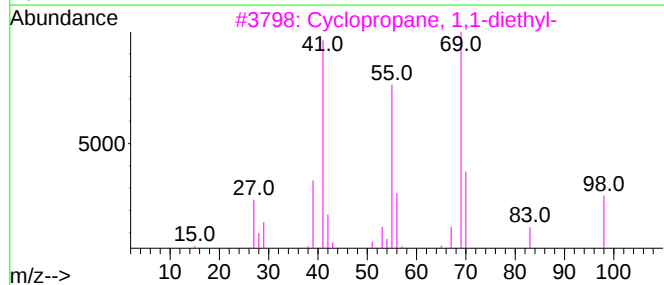
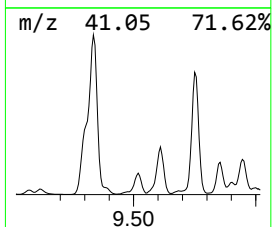
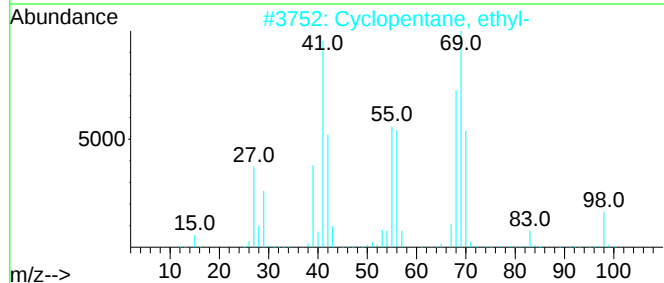
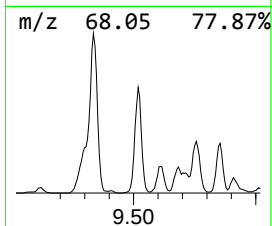
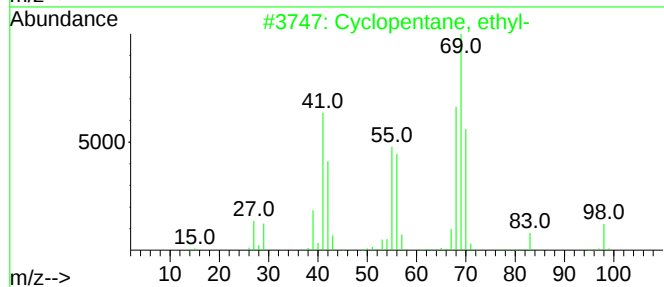
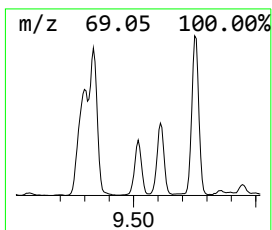
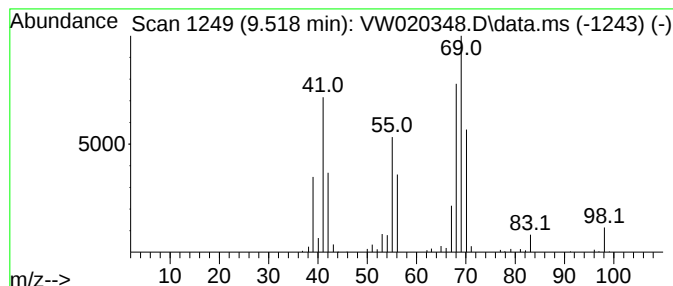
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic9.518 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.518	4.26 ug/L	181410	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2		Cyclopentane, ethyl-	98	C7H14	001640-89-7	80
3		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4		Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
5		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

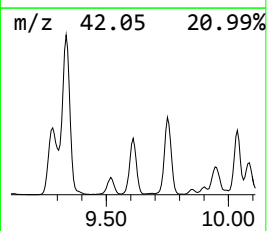
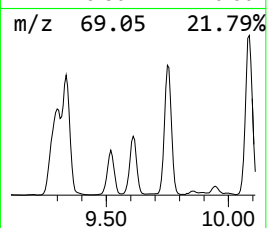
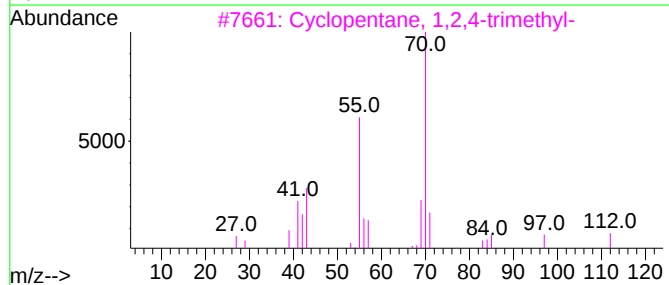
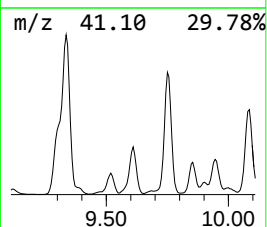
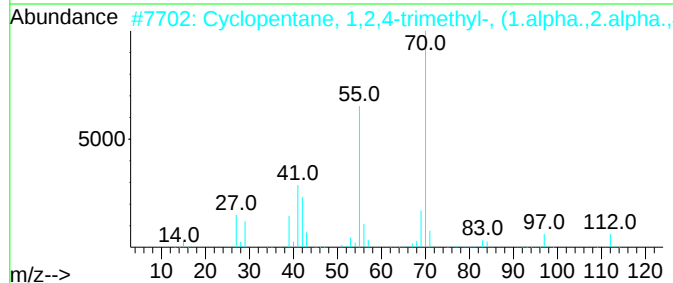
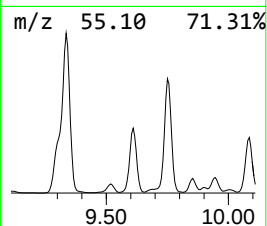
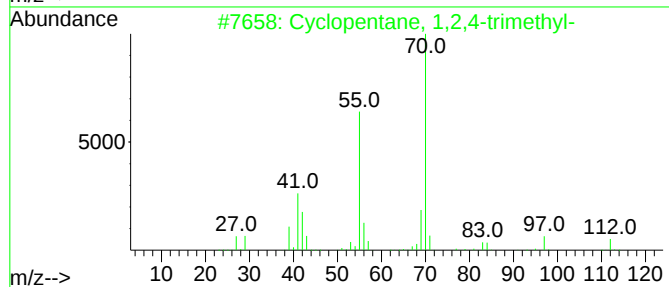
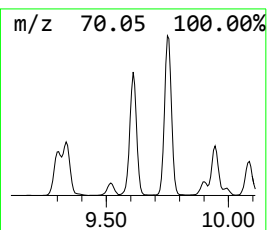
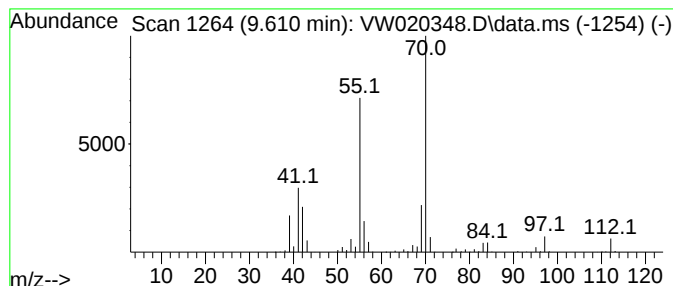
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic9.610 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	17.21 ug/L	733546	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	004850-28-6	94
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4			Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

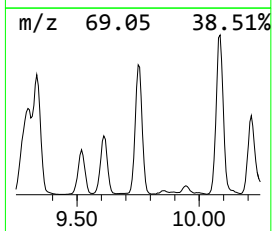
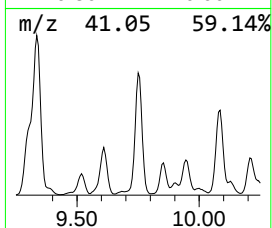
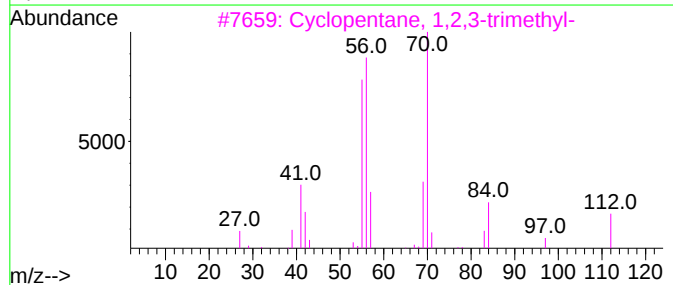
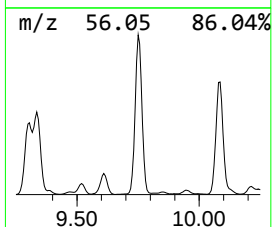
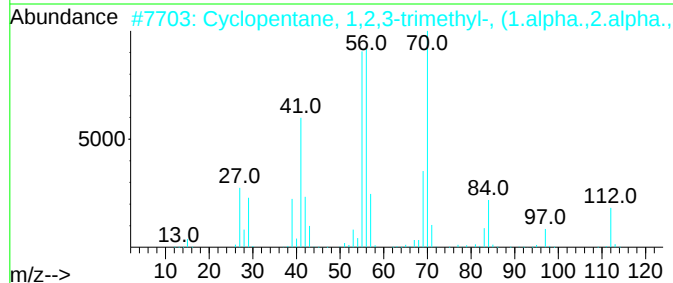
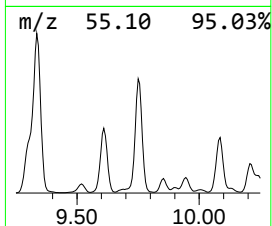
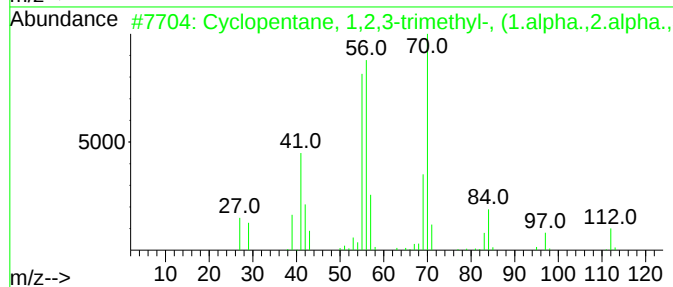
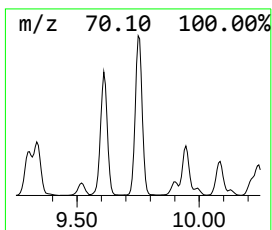
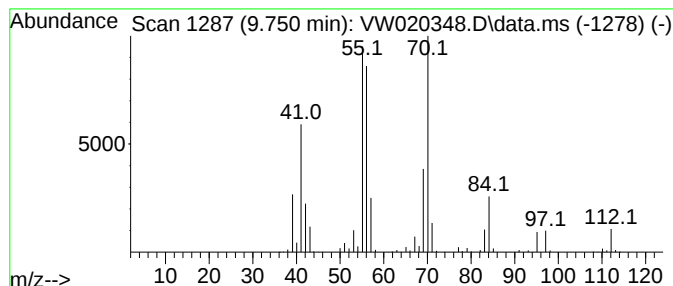
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic9.750 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	40.37 ug/L	1720850	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	95
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

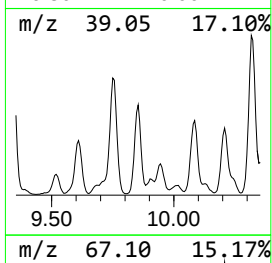
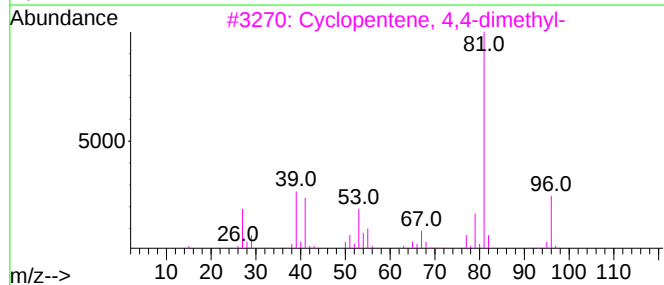
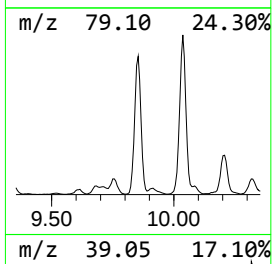
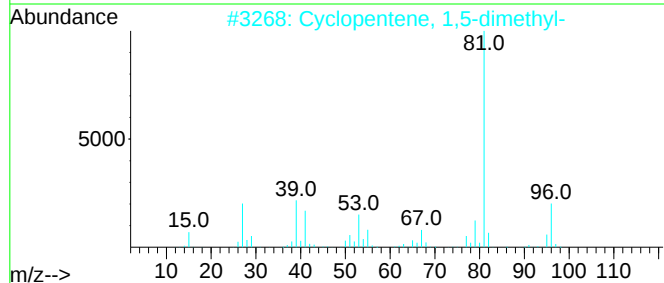
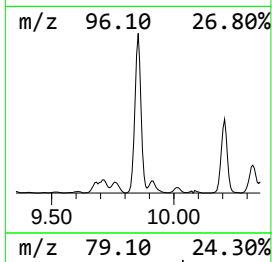
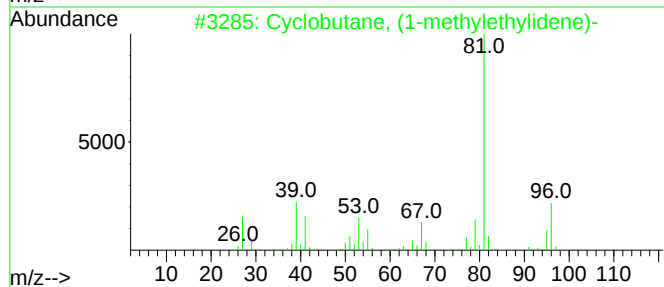
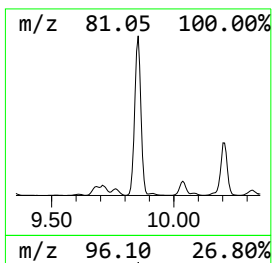
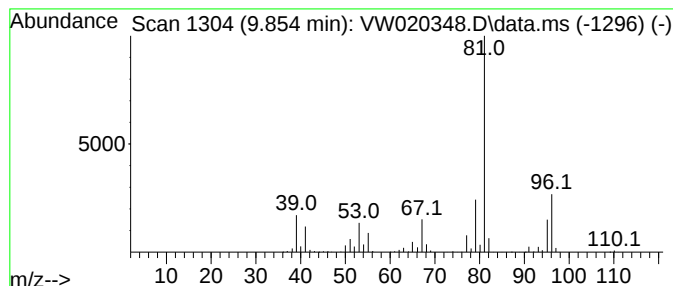
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Quant Title : SFAM01.0

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

Peak Number 13 Cyclobutane, (1-methylethyl... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.854	22.26 ug/L	948693	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	91
2		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3		Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	83
4		3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
5		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

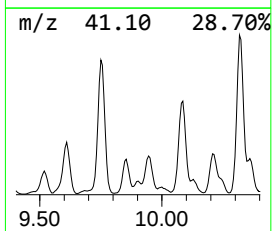
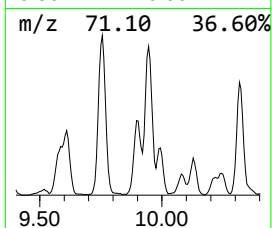
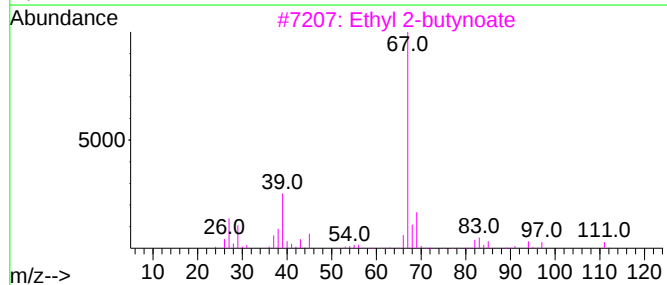
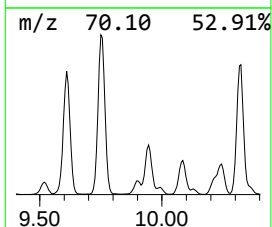
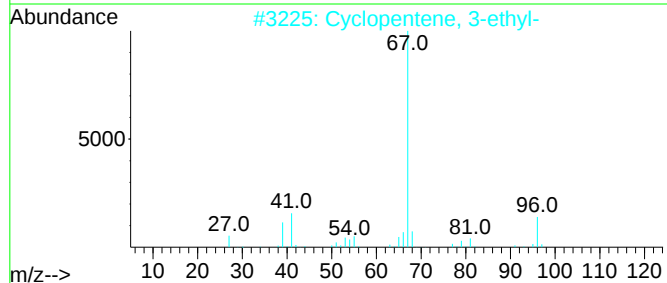
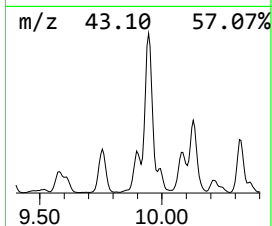
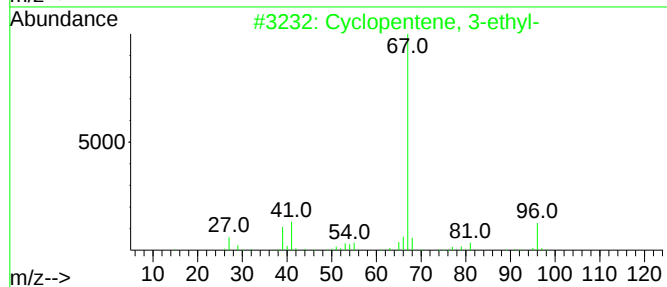
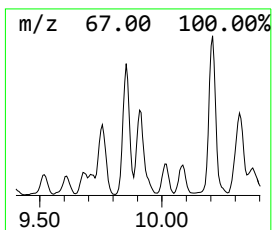
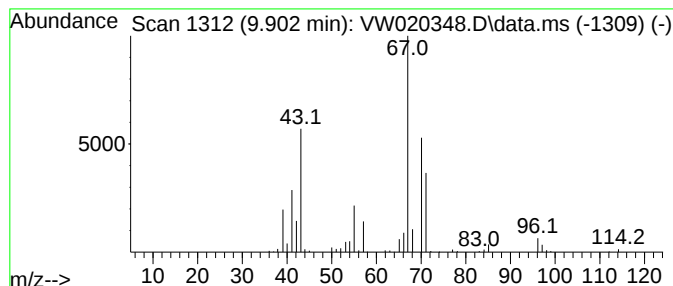
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Quant Title : SFAM01.0

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

Peak Number 14 unknown-01 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	3.99 ug/L	169971	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	43
2			Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	38
3			Ethyl 2-butynoate	112	C6H8O2	004341-76-8	38
4			1-Ethylcyclopentene	96	C7H12	002146-38-5	38
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

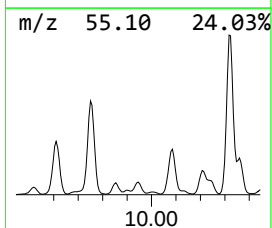
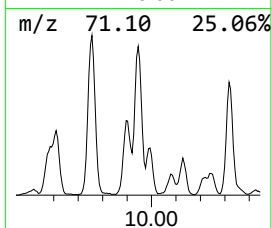
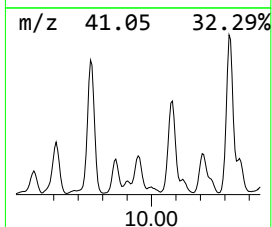
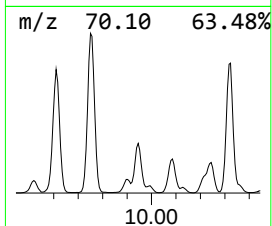
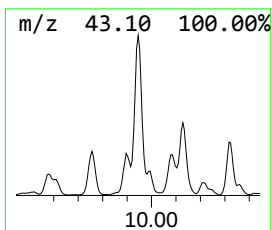
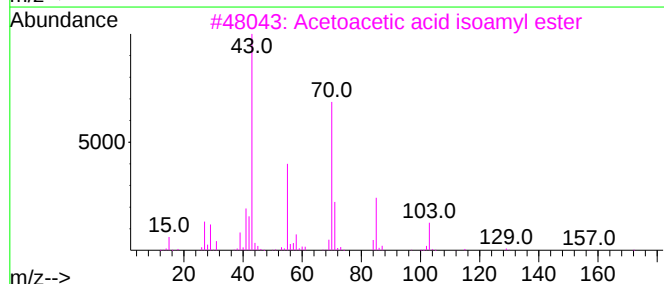
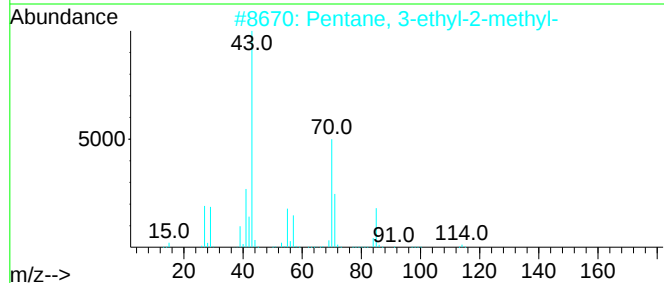
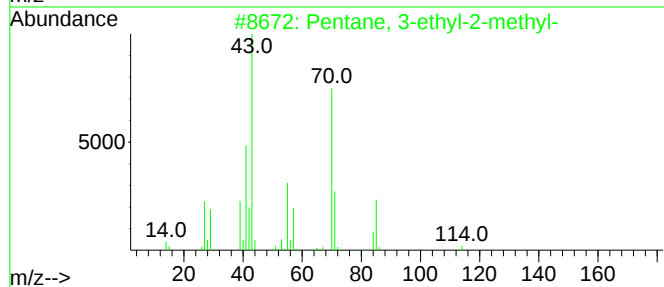
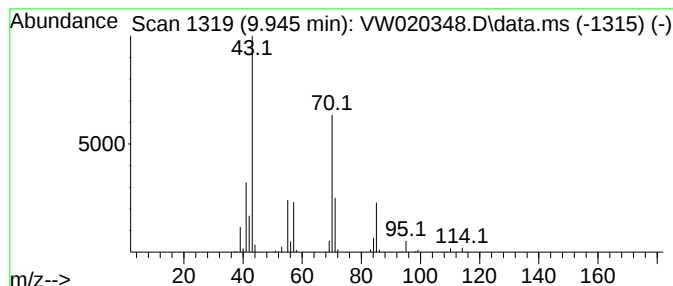
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	11.13 ug/L	474543	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		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
3		Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	78
4		Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	56
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

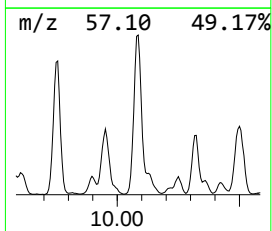
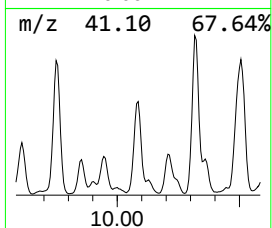
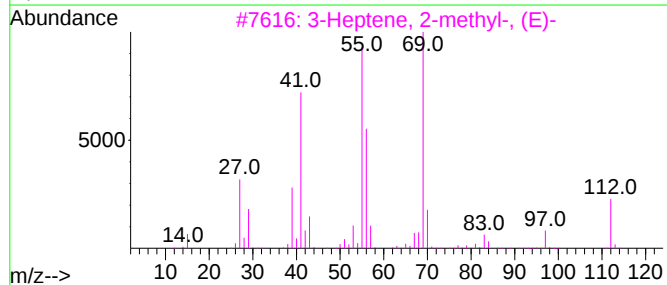
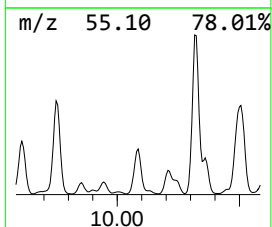
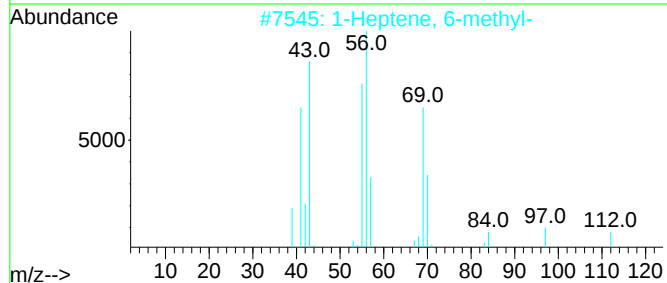
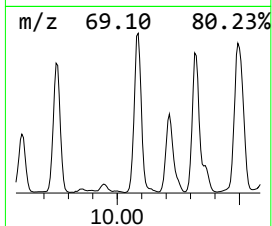
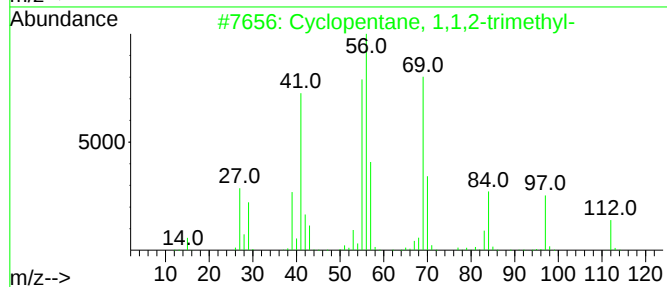
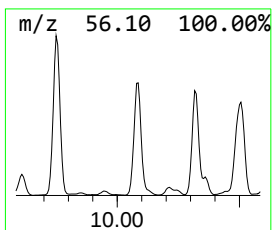
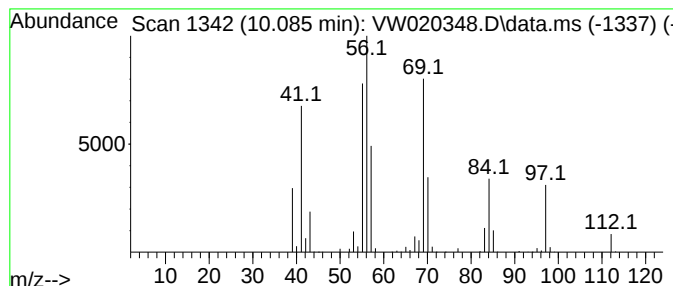
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic10.085 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.085	23.63 ug/L	1007030	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	94
2		1-Heptene, 6-methyl-	112	C8H16	005026-76-6	72
3		3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	47
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5		(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

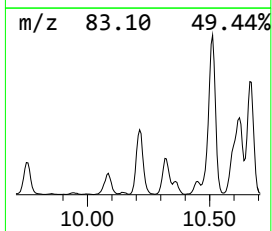
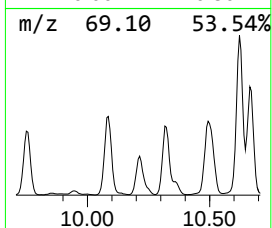
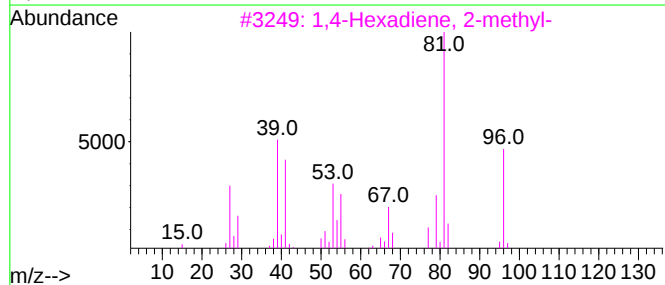
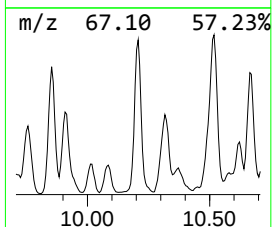
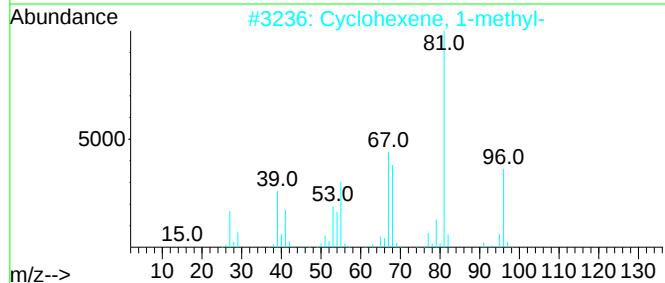
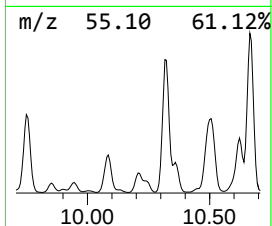
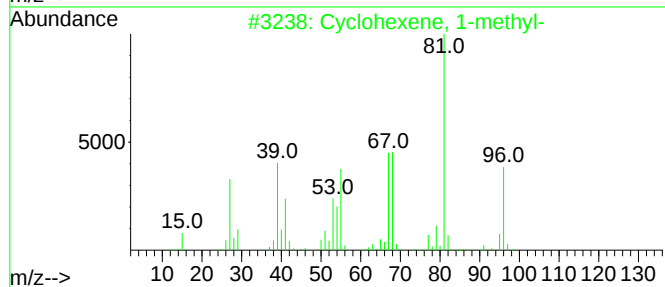
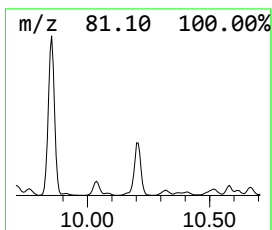
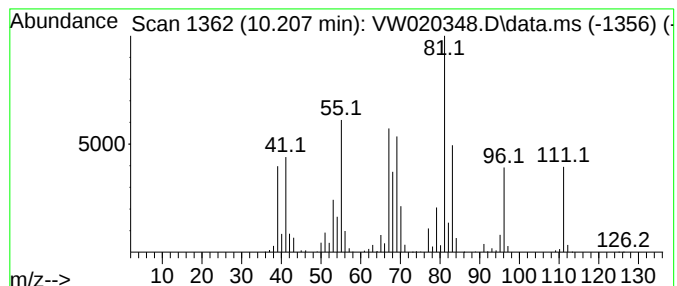
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Quant Title : SFAM01.0

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

Peak Number 18 Cyclohexene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.207	21.75 ug/L	927041	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
2			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3			1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	87
4			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64
5			Cyclohexane, methylene-	96	C7H12	001192-37-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

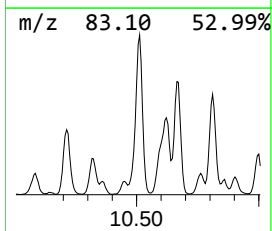
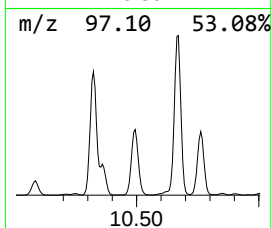
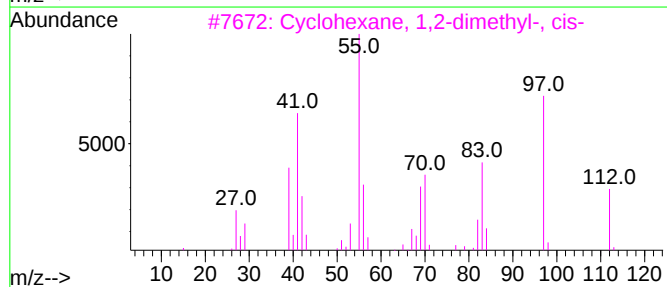
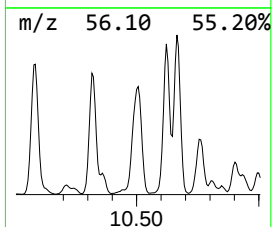
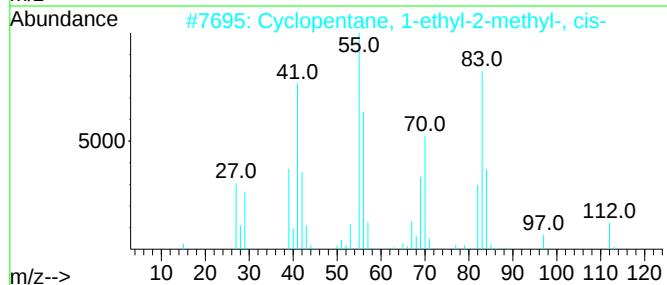
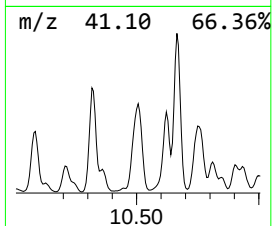
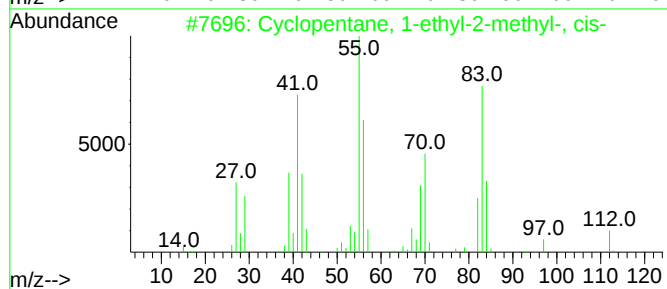
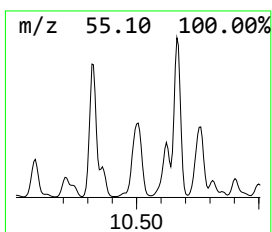
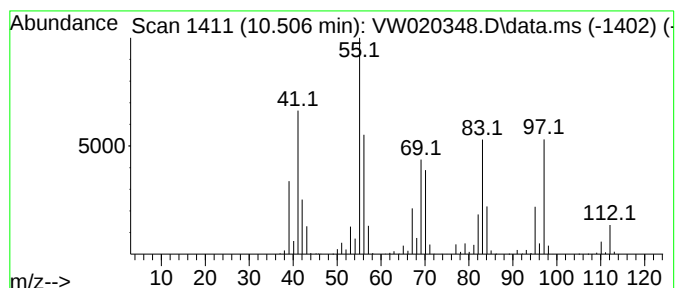
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.506 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	40.10 ug/L	2111170	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	95
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	92
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	76
4		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	76
5		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

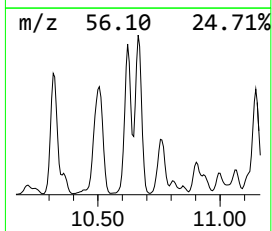
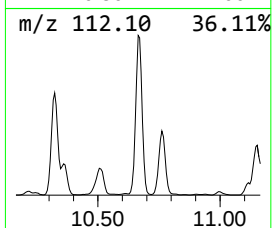
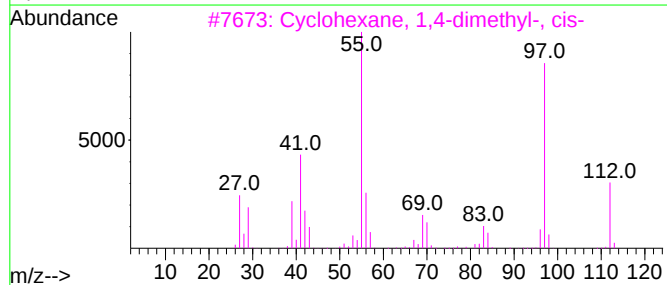
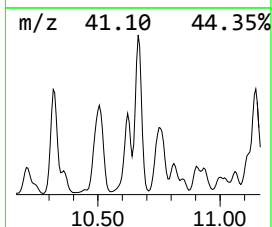
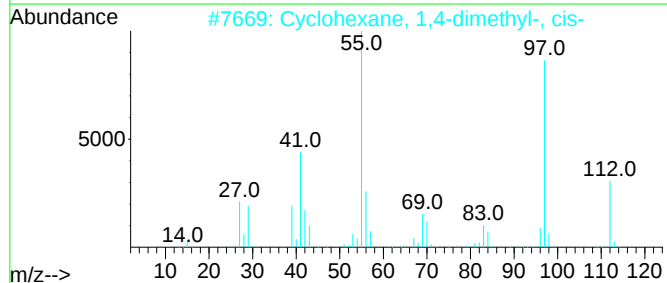
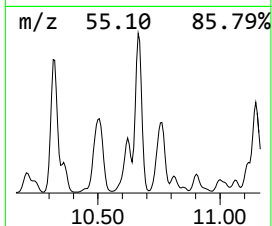
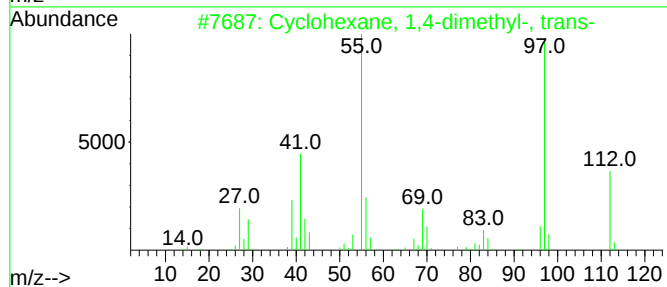
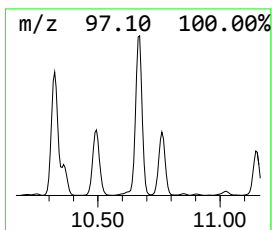
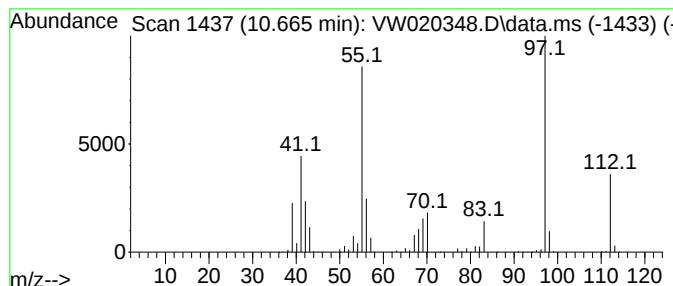
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic10.665 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.665	50.16 ug/L	2640540	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

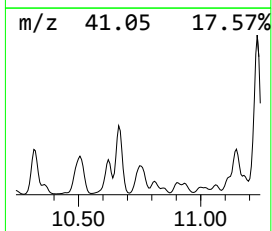
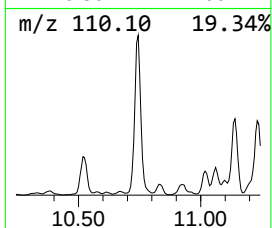
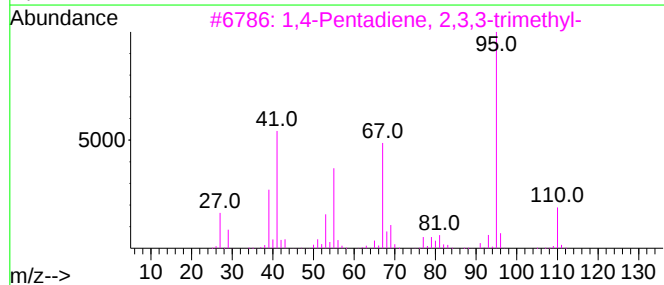
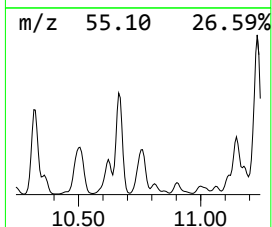
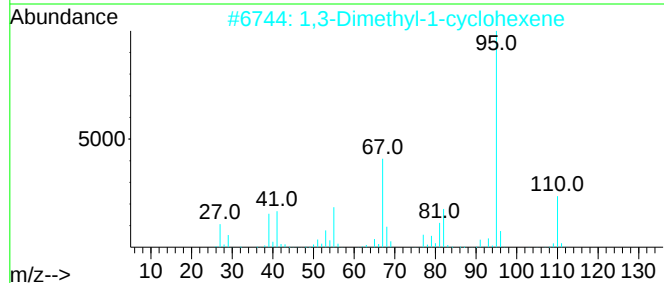
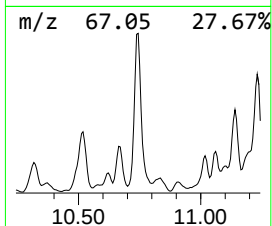
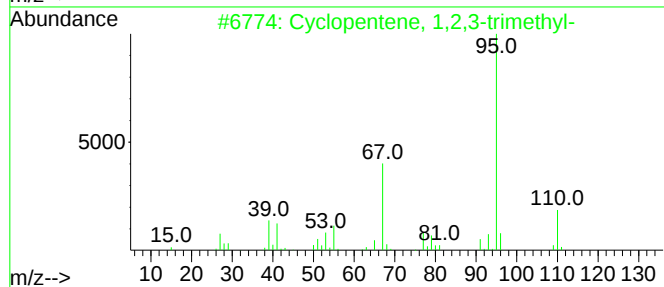
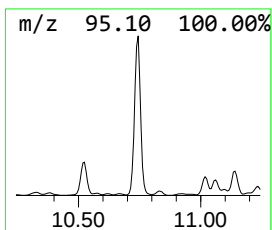
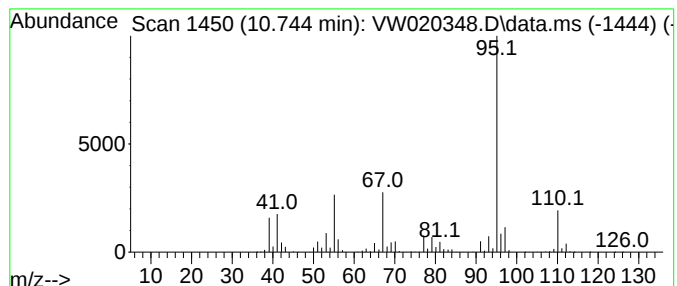
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Quant Title : SFAM01.0

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

Peak Number 21 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.744	46.13 ug/L	2428640	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	83
2			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	83
3			1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
4			Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	64
5			2-Isopropylimidazole	110	C6H10N2	036947-68-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

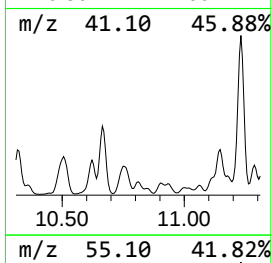
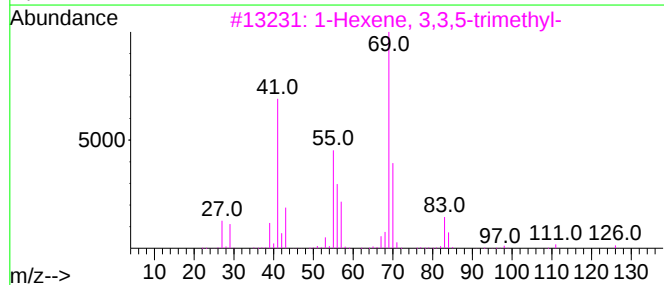
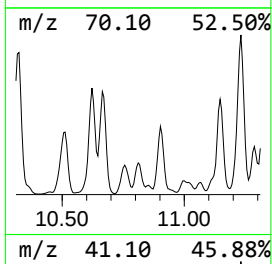
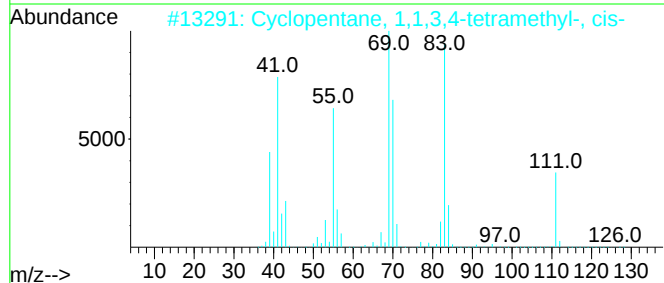
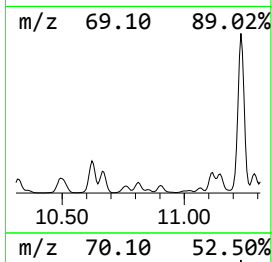
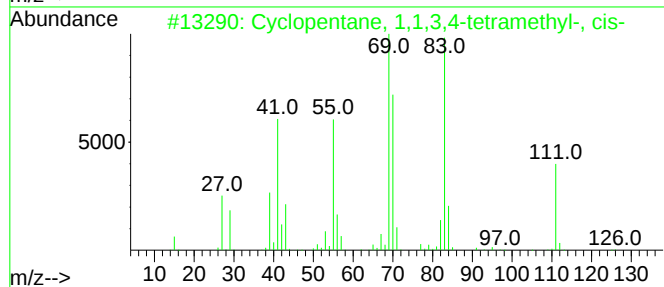
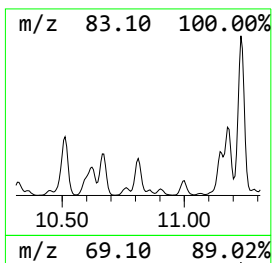
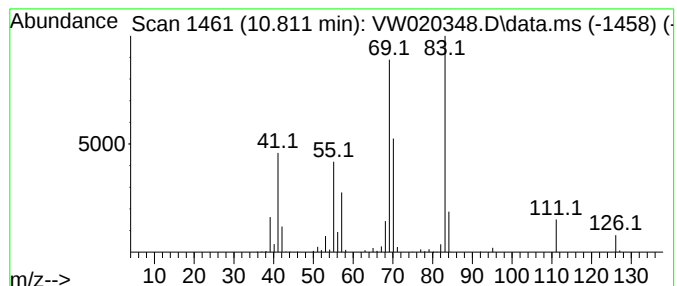
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic10.811 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.811	3.58 ug/L	188214	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	64
2		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	50
3		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	38
4		2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	27
5		1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

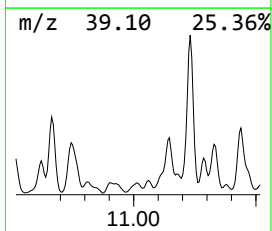
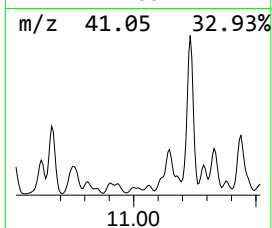
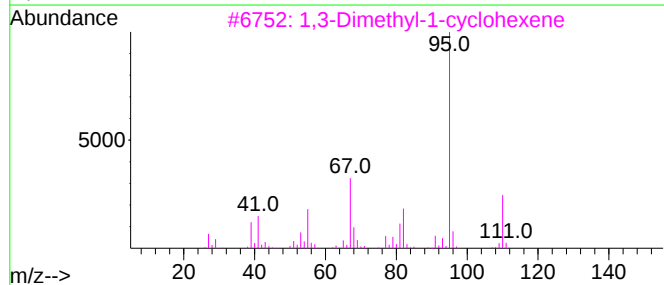
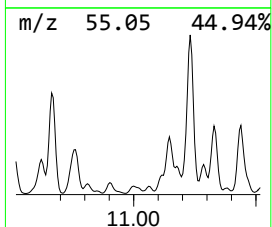
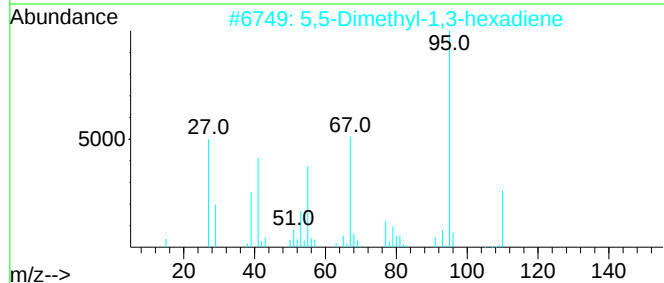
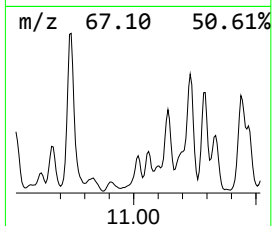
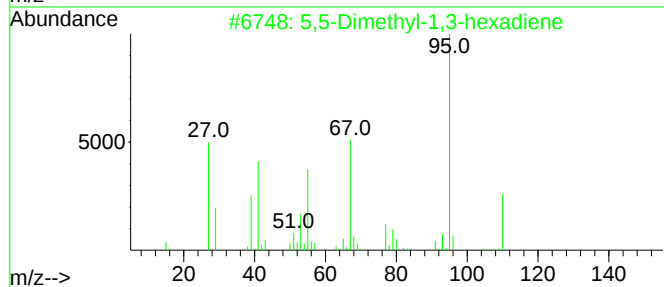
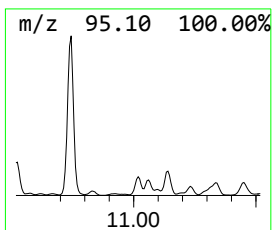
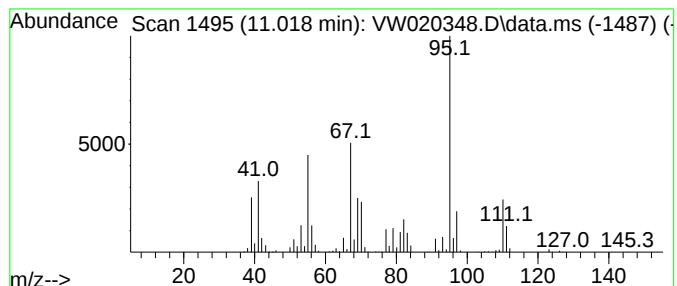
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 5,5-Dimethyl-1,3-hexadiene Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.018	8.20 ug/L	431711	Chlorobenzene-d5			11.634
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene		110	C8H14	001515-79-3	83
2	5,5-Dimethyl-1,3-hexadiene		110	C8H14	001515-79-3	70
3	1,3-Dimethyl-1-cyclohexene		110	C8H14	002808-76-6	68
4	Cyclohexene, 3,5-dimethyl-		110	C8H14	000823-17-6	62
5	5,5-Dimethyl-1,3-hexadiene		110	C8H14	001515-79-3	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

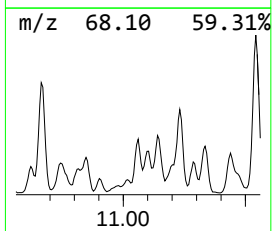
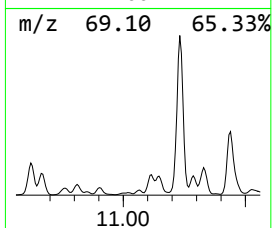
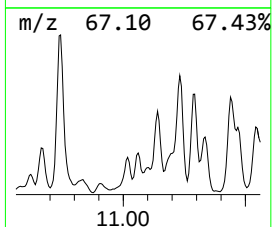
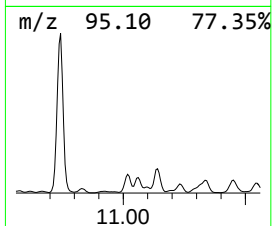
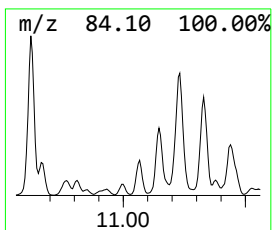
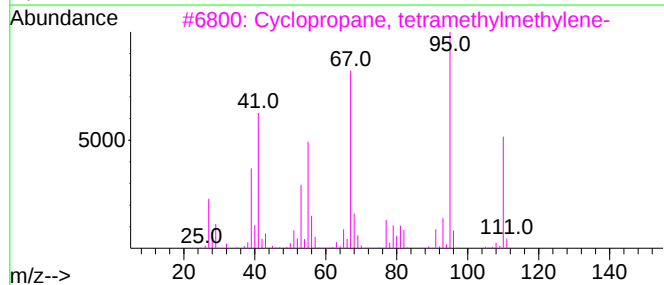
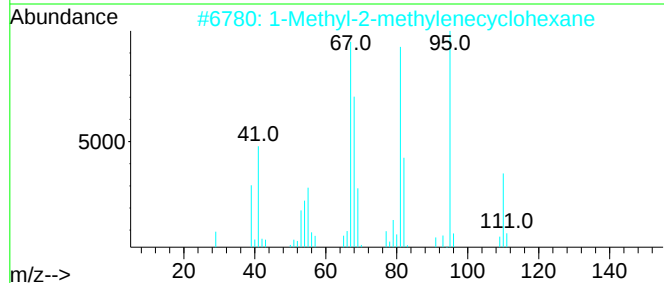
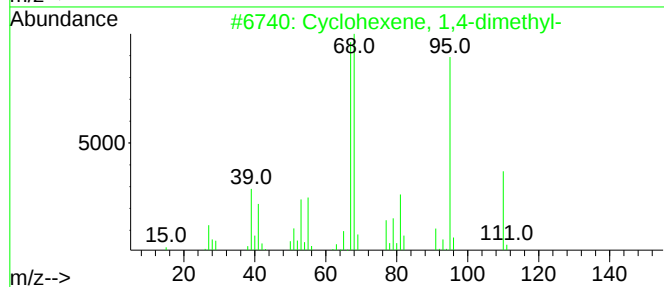
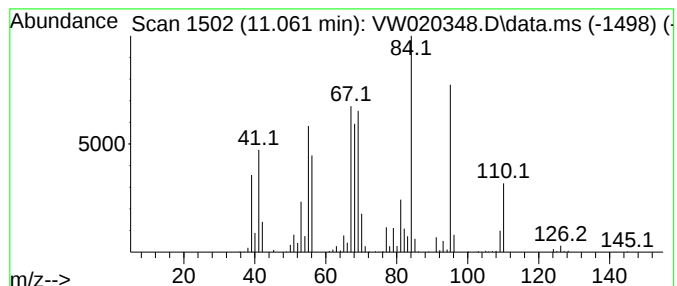
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Quant Title : SFAM01.0

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

Peak Number 24 Cyclohexene, 1,4-dimethyl- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.061	4.20 ug/L	221315	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,4-dimethyl-	110	C8H14	002808-79-9	90
2			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	53
3			Cyclopropane, tetramethylmethylene-	110	C8H14	054376-39-5	49
4			2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	46
5			Cyclohexane, 1-methyl-4-methylene-	110	C8H14	002808-80-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

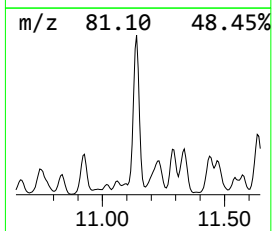
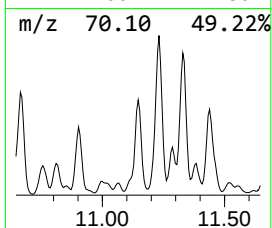
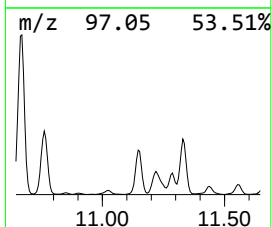
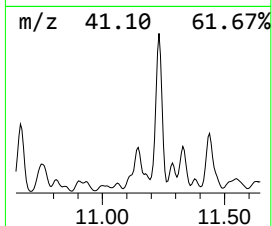
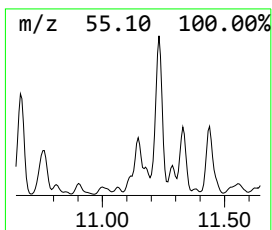
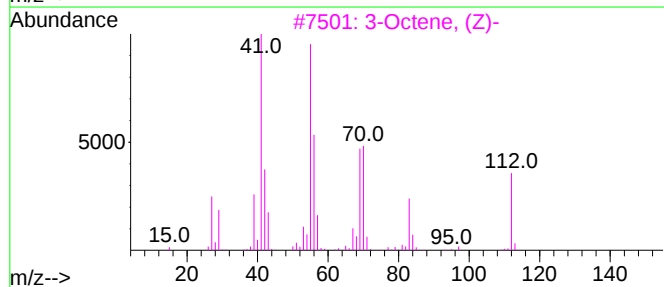
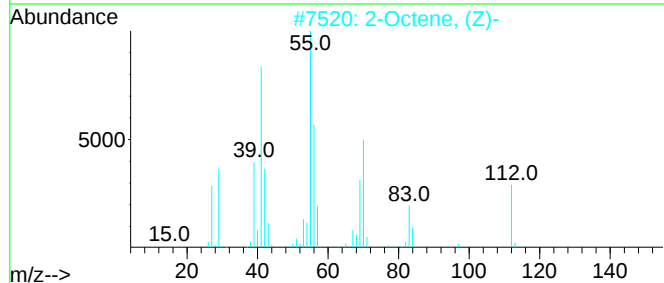
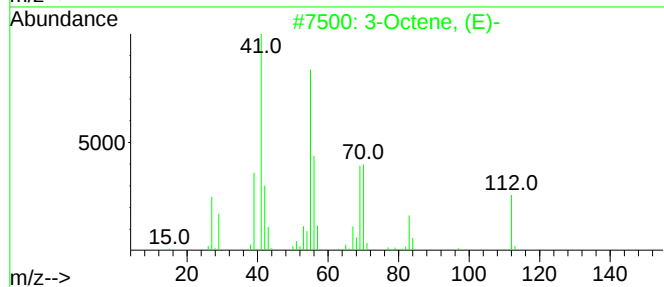
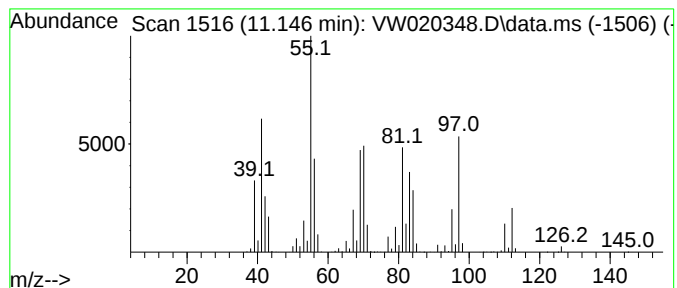
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.146	47.45 ug/L	2497960	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (E)-	112	C8H16	014919-01-8	58
2	2-Octene, (Z)-	112	C8H16	007642-04-8	49
3	3-Octene, (Z)-	112	C8H16	014850-22-7	49
4	4-Octene, (E)-	112	C8H16	014850-23-8	49
5	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

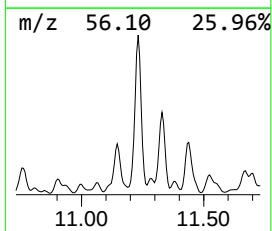
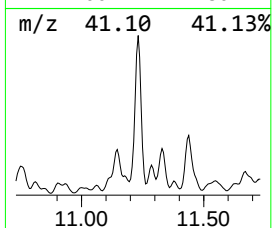
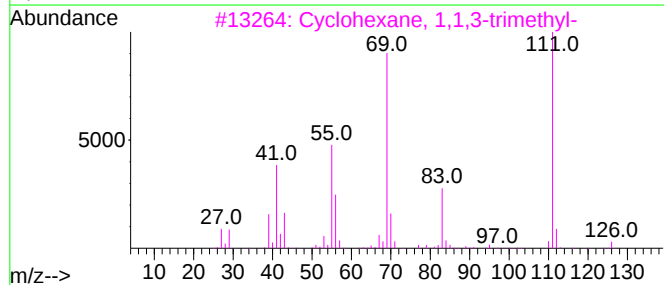
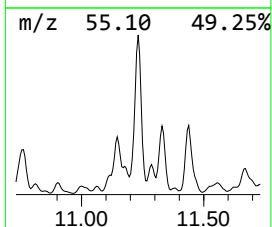
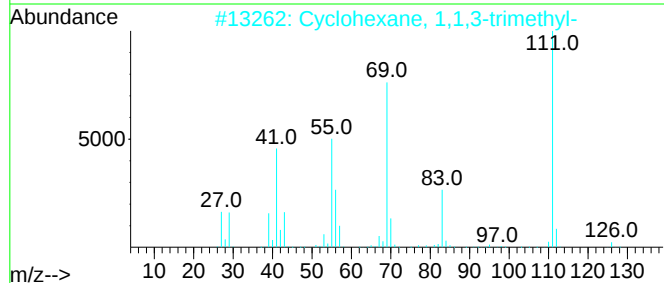
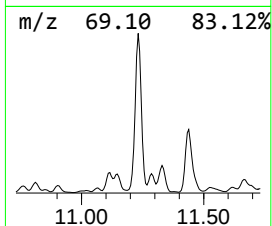
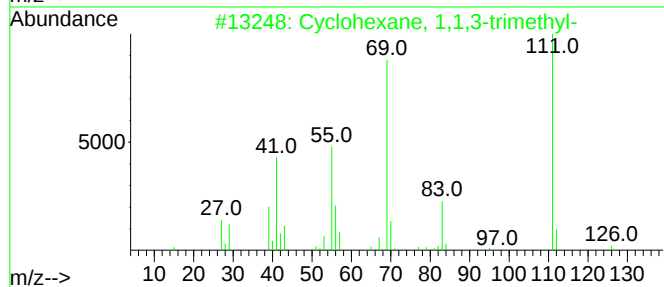
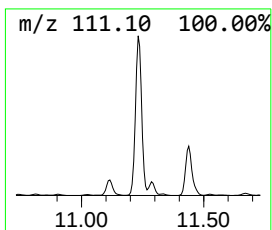
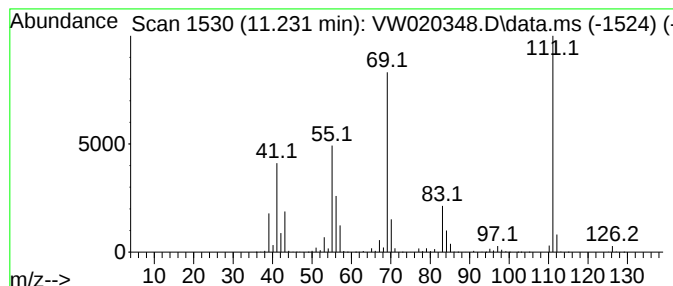
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.232 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	114.02 ug/L	6002800	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	93
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
5		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

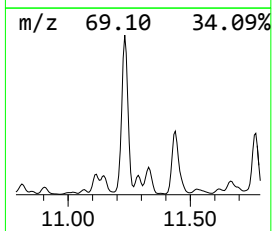
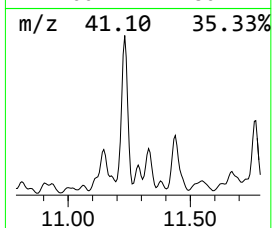
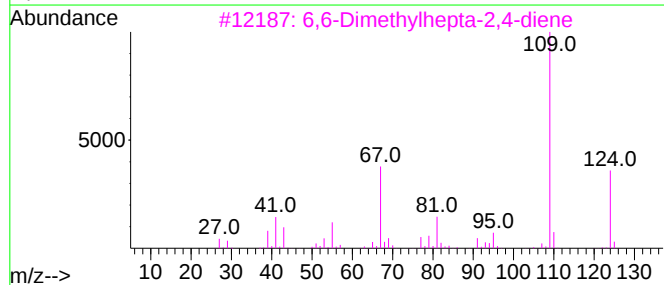
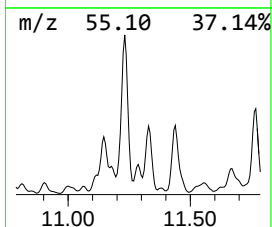
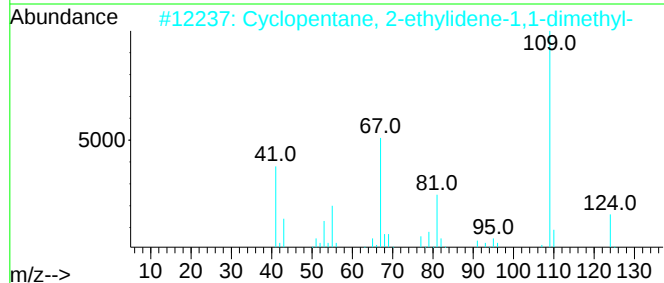
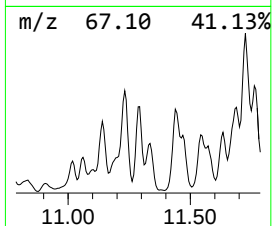
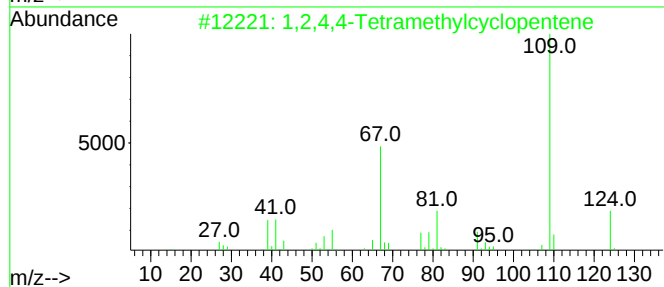
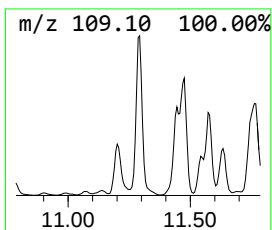
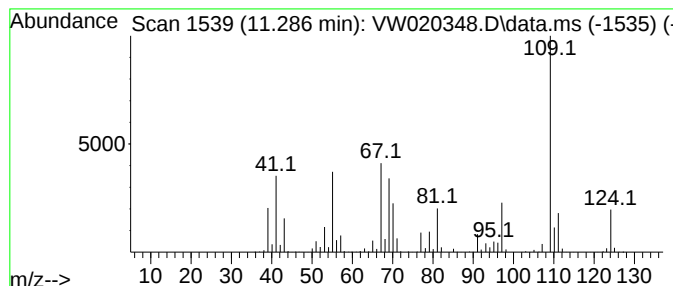
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Quant Title : SFAM01.0

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

Peak Number 27 1,2,4,4-Tetramethylcyclopentene... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	15.59 ug/L	820937	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	93
2		Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	76
3		6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	70
4		1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	64
5		3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

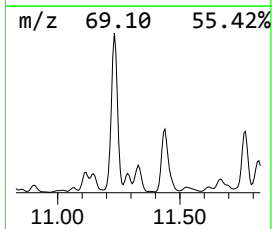
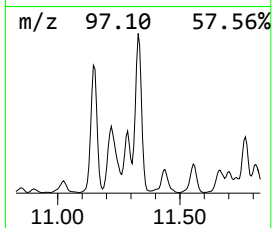
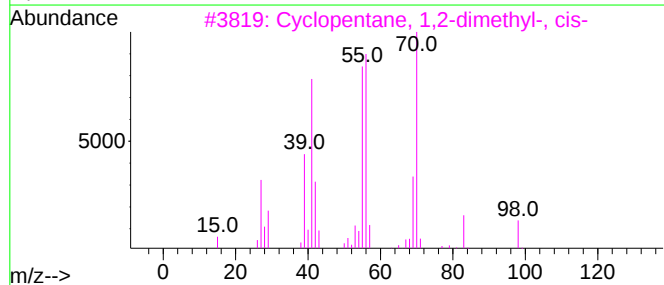
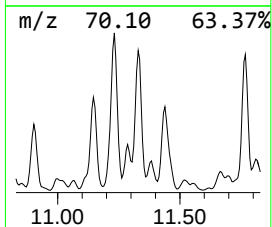
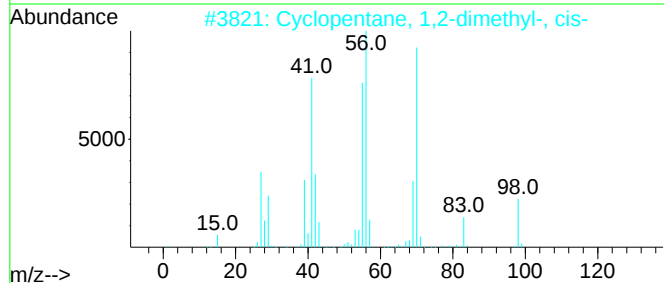
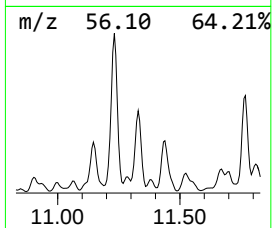
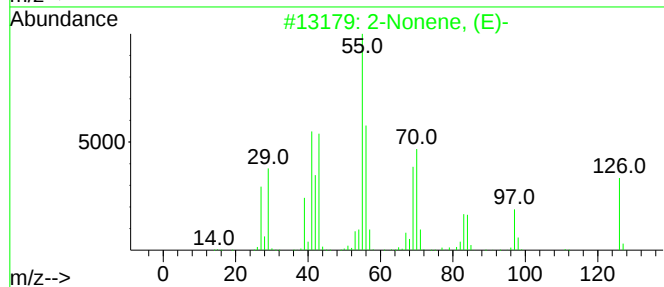
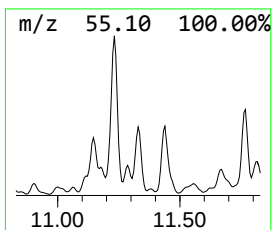
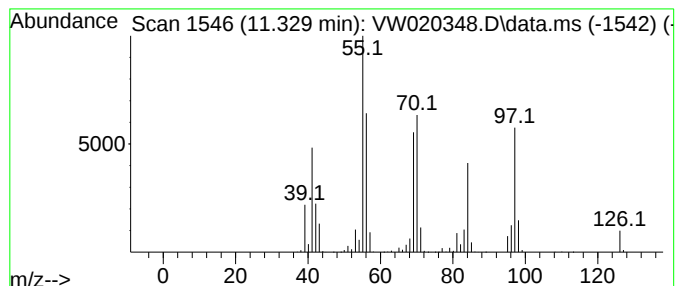
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.329	33.50 ug/L	1763860	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	64
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	45
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	43
5	Isopropylcyclobutane	98	C7H14	000872-56-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

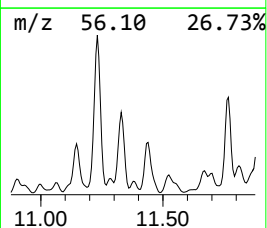
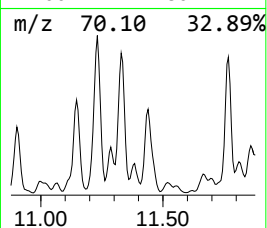
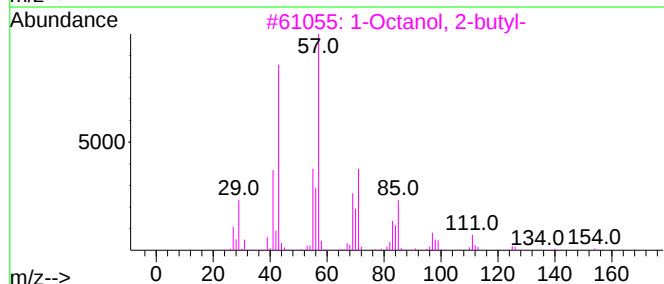
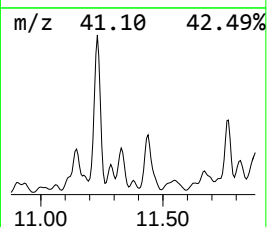
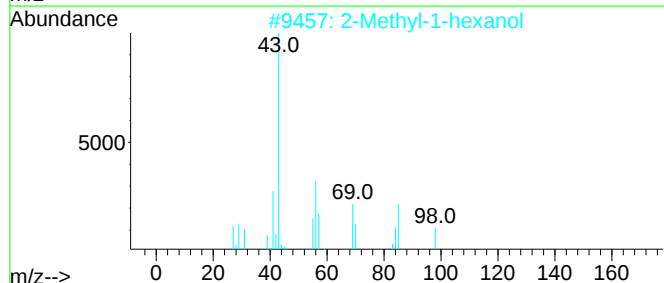
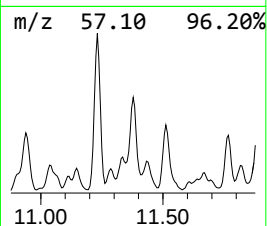
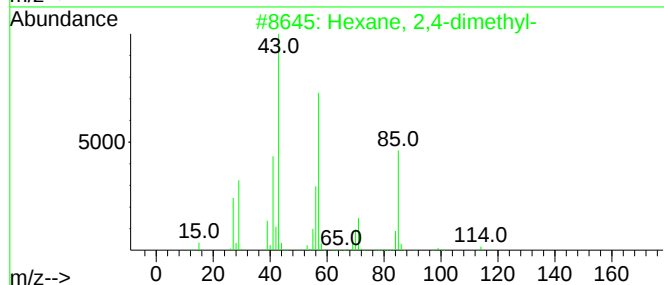
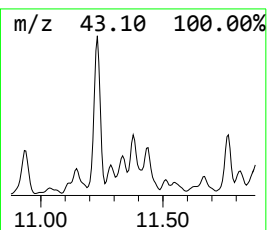
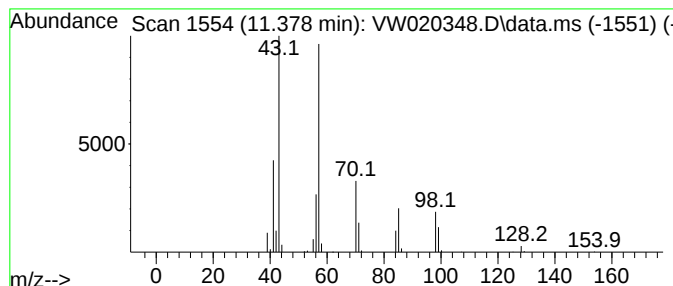
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.378	4.06 ug/L	213518	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	53
2	2-Methyl-1-hexanol		116	C7H16O	1000427-67-0	53
3	1-Octanol, 2-butyl-		186	C12H26O	003913-02-8	50
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	49
5	Octane, 3-methyl-		128	C9H20	002216-33-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

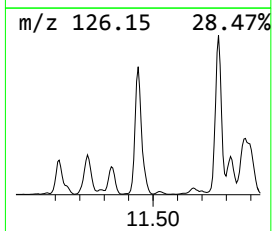
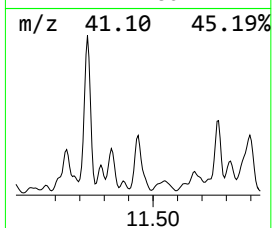
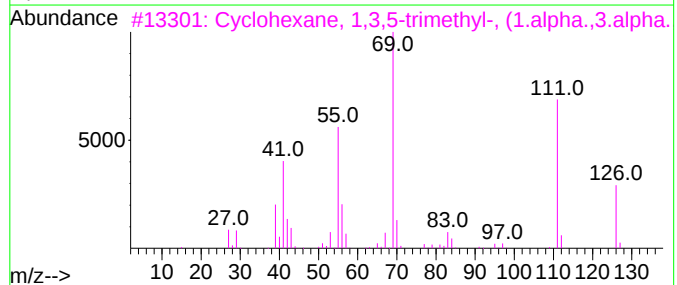
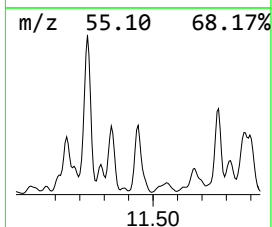
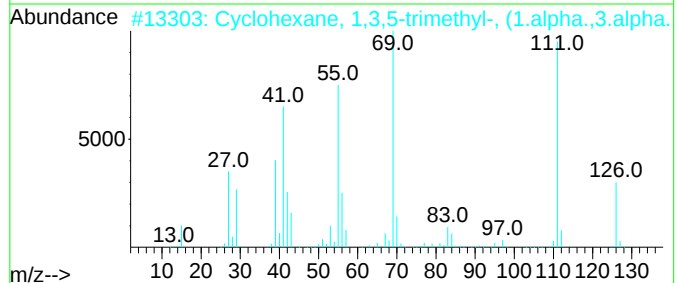
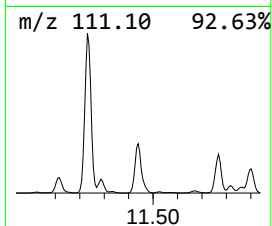
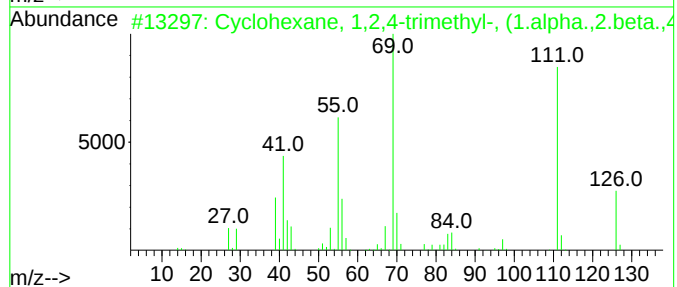
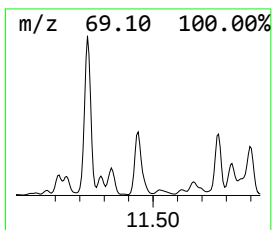
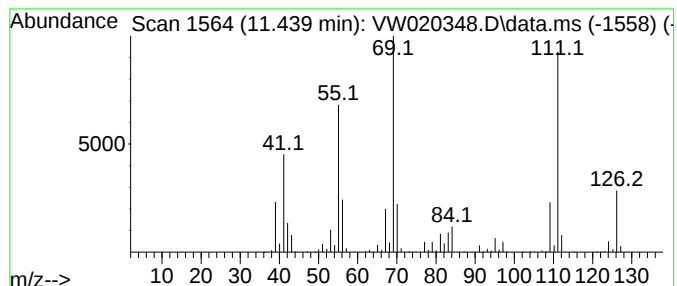
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic11.439 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	59.24 ug/L	3118580	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	001795-26-2	81
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

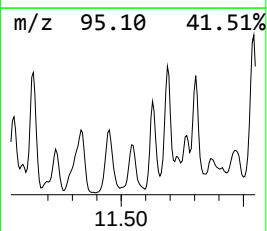
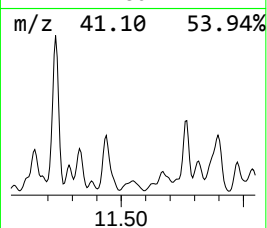
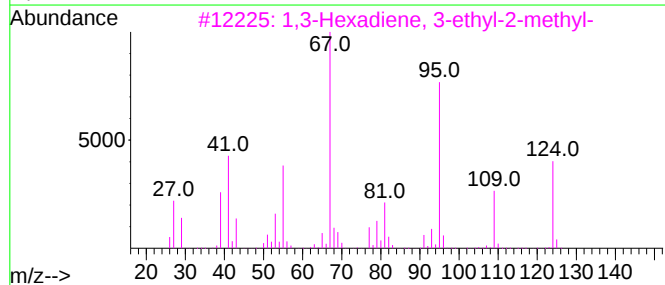
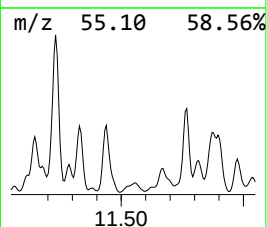
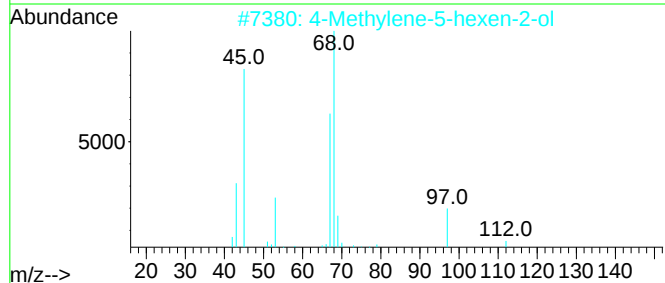
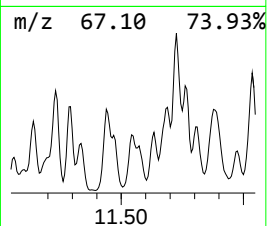
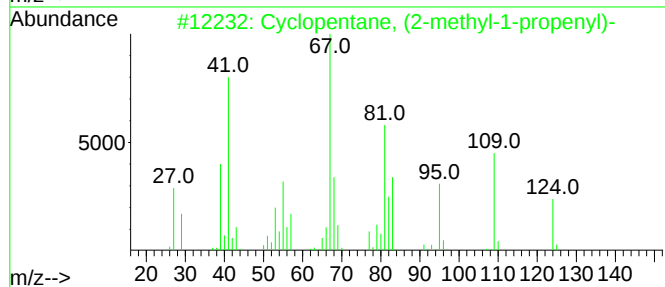
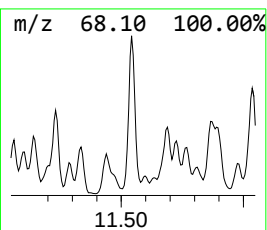
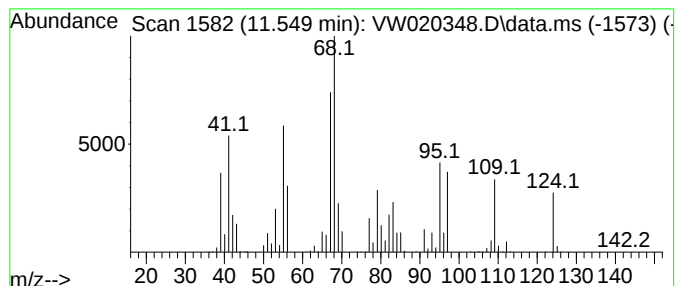
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Quant Title : SFAM01.0

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

Peak Number 31 unknown-02 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.549	17.32 ug/L	911738	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	43
2			4-Methylene-5-hexen-2-ol	112	C7H12O	1000424-70-1	43
3			1,3-Hexadiene, 3-ethyl-2-methyl-	124	C9H16	061142-36-7	38
4			1,4-Pentadiene	68	C5H8	000591-93-5	38
5			Cyclopentane, 2-propenyl-	110	C8H14	003524-75-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

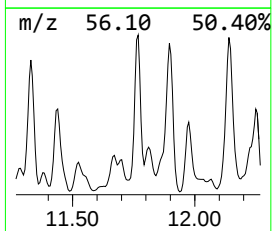
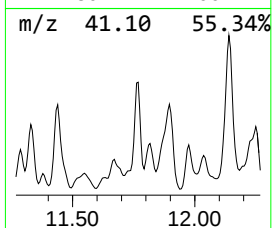
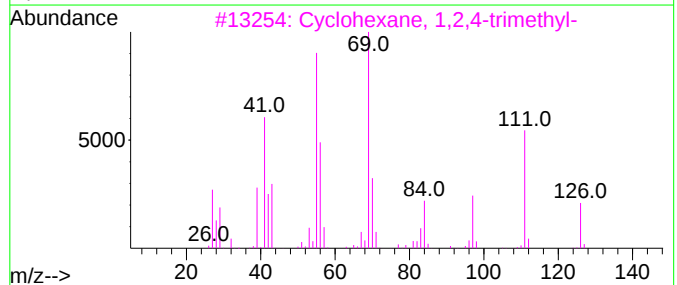
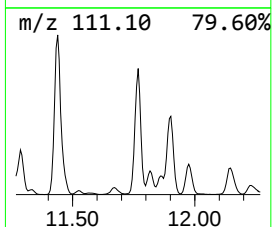
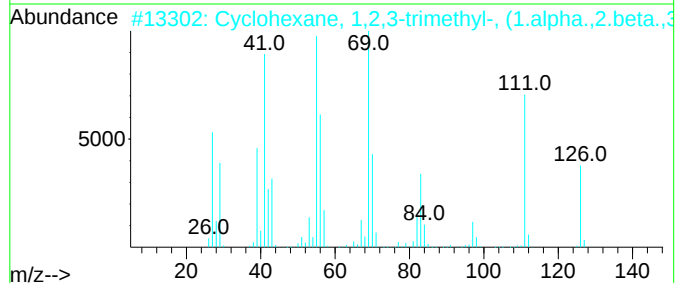
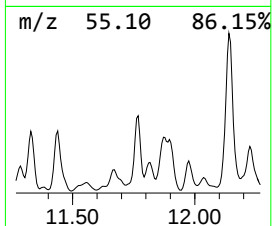
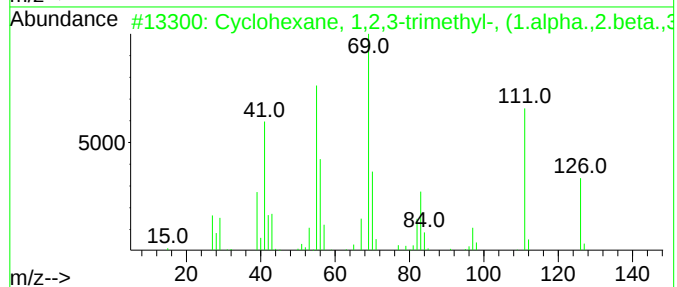
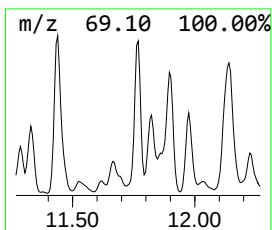
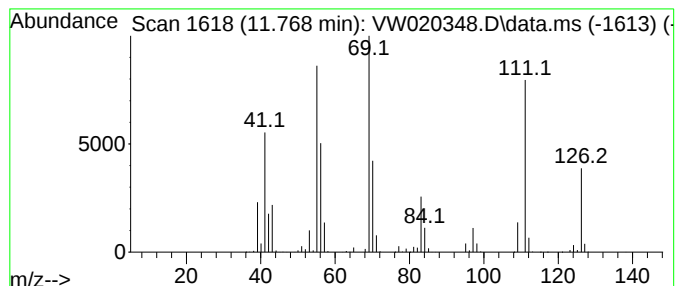
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic11.768 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	50.62 ug/L	2665040	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
5			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

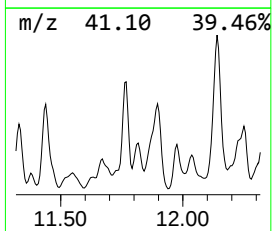
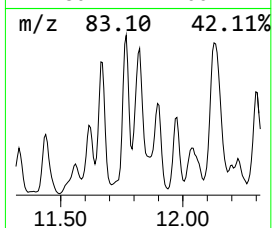
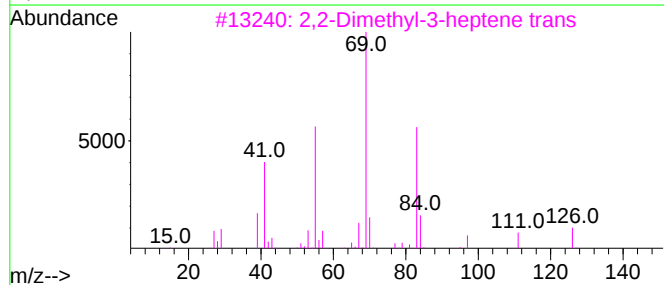
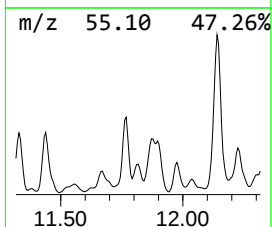
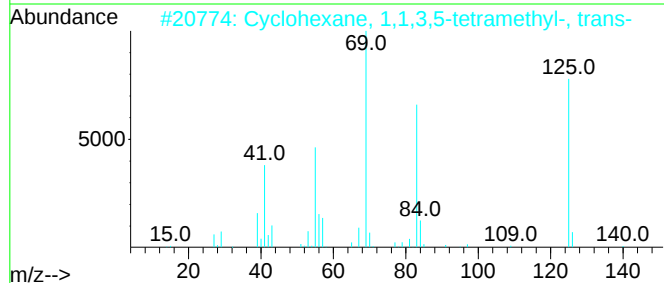
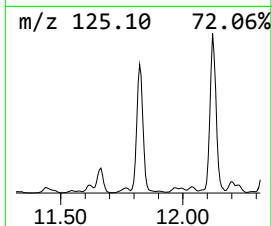
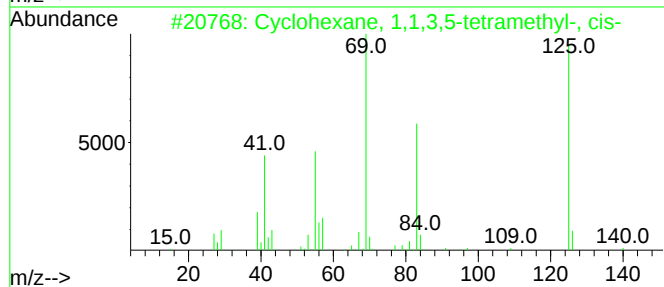
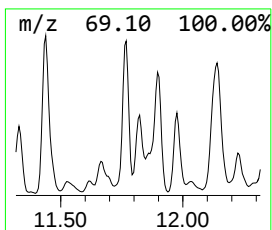
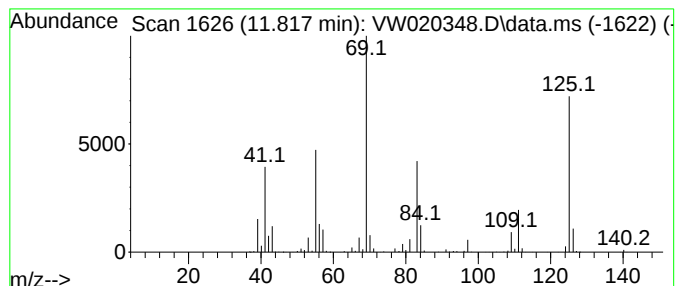
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic11.817 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	18.58 ug/L	978241	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	87
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	86
3			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	62
4			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	59
5			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

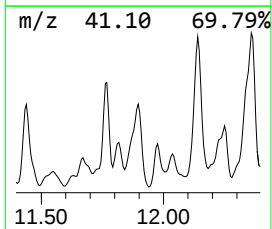
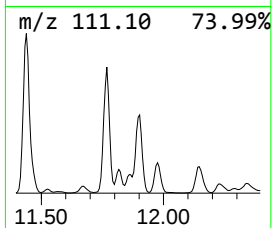
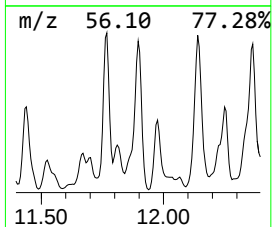
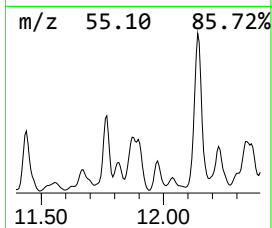
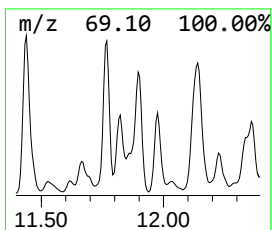
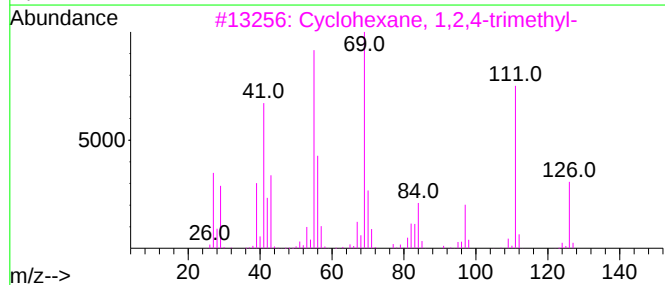
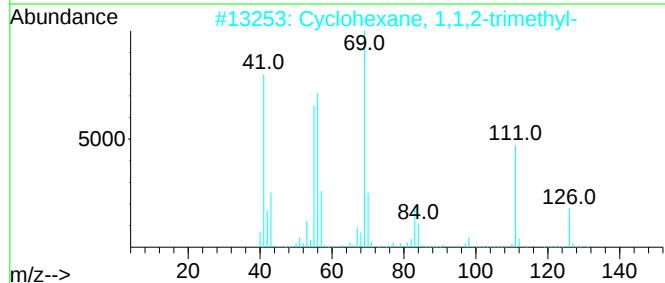
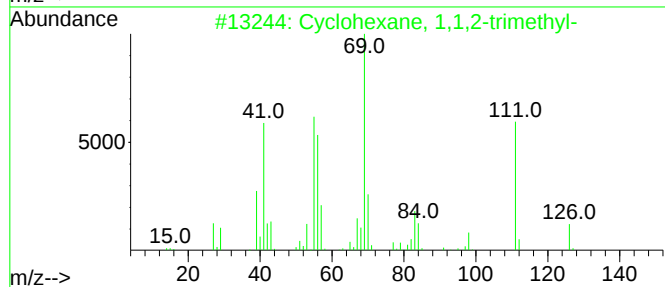
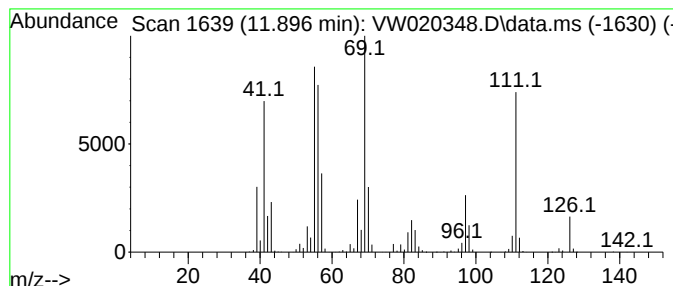
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic11.896 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.896	74.09 ug/L	3900520	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	81
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	76
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	68
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW912

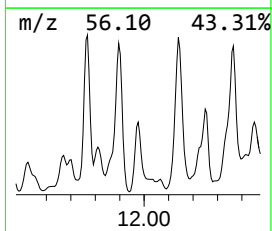
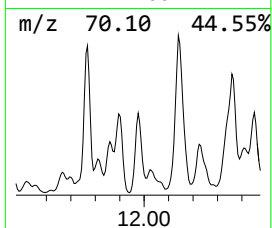
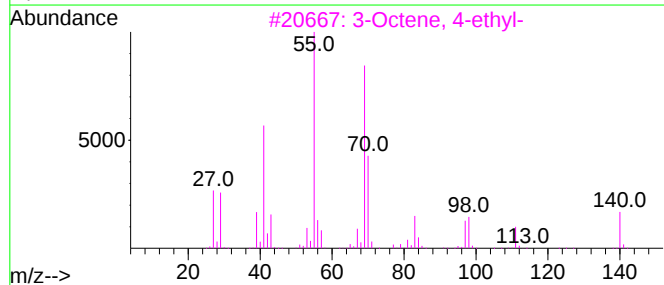
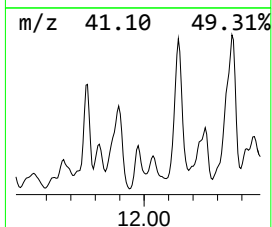
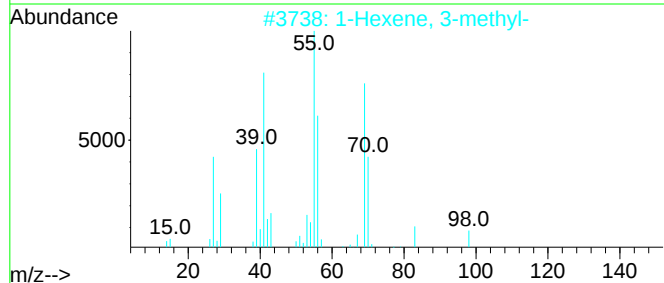
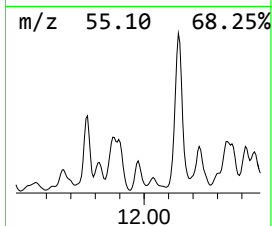
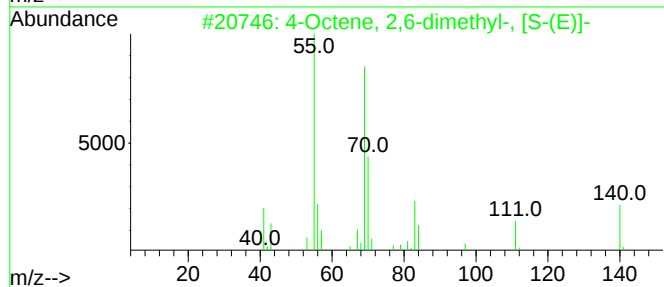
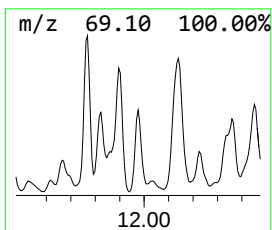
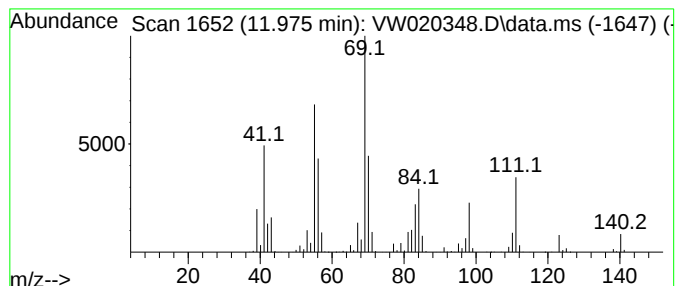
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	28.38 ug/L	1494200	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	64
2		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
3		3-Octene, 4-ethyl-	140	C10H20	053966-51-1	64
4		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	52
5		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

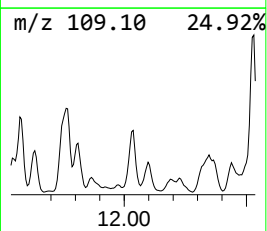
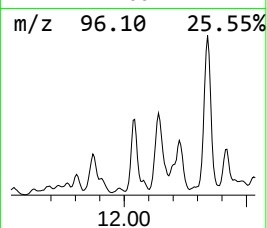
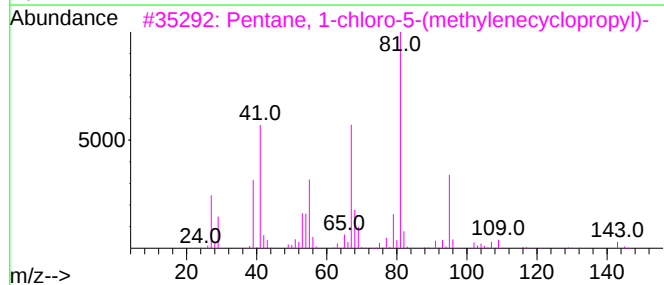
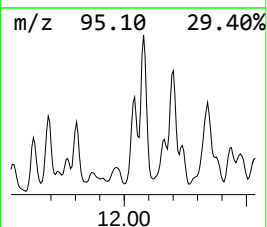
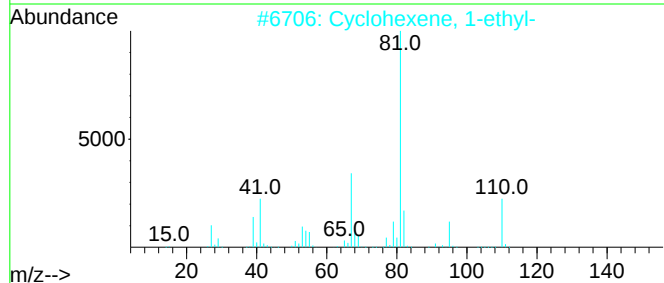
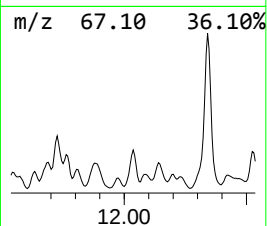
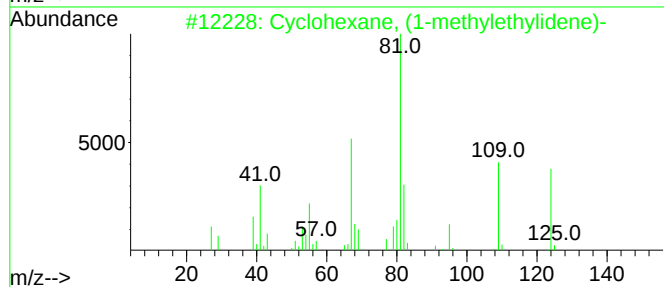
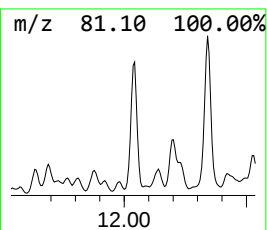
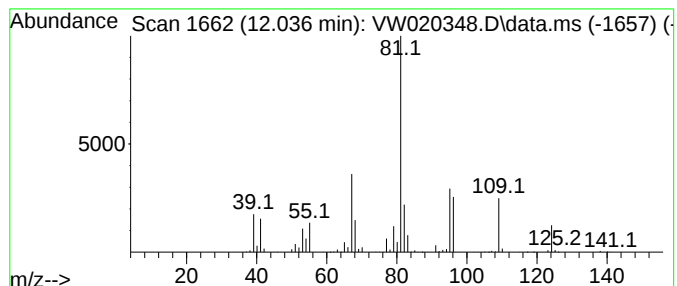
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Quant Title : SFAM01.0

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

Peak Number 36 Cyclohexane, (1-methylethyl... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.036	18.22 ug/L	959168	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	74
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
3		Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	53
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	52
5		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

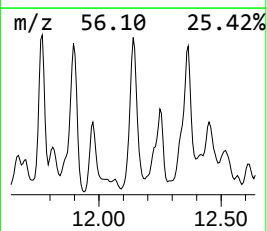
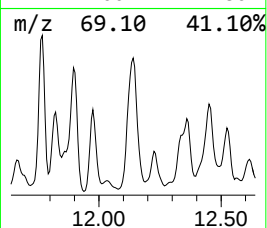
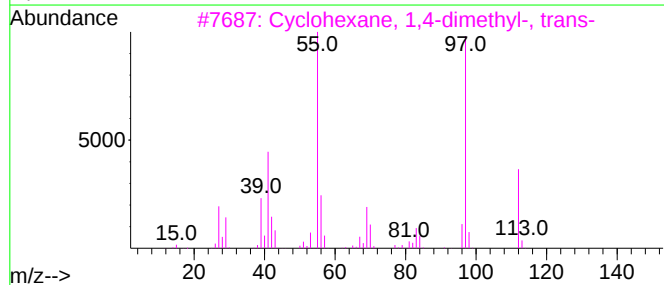
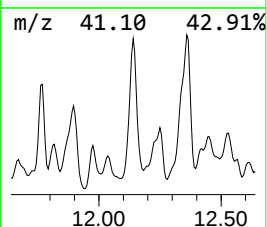
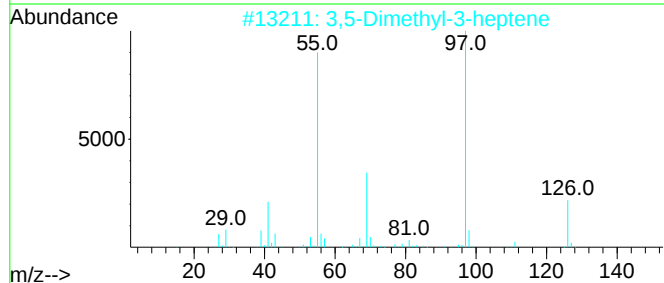
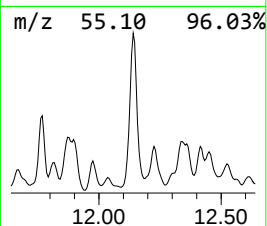
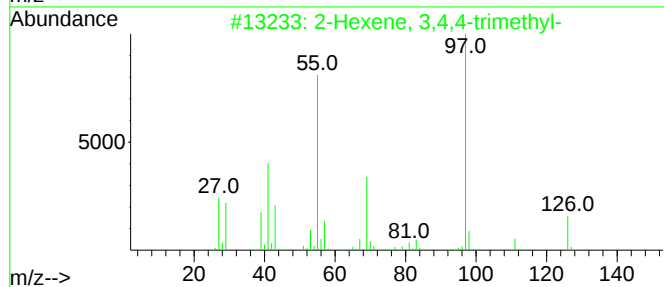
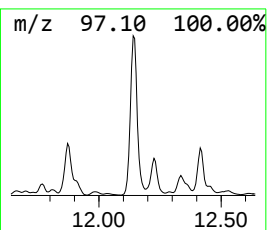
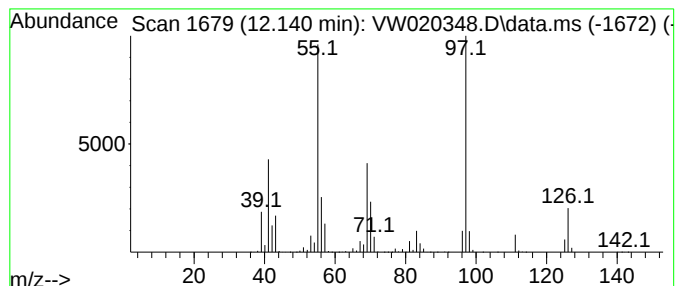
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	90.00 ug/L	4737910	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	68	
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64	
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59	
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59	
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

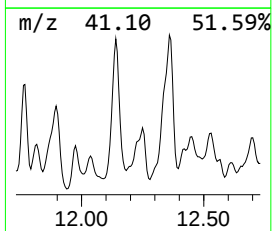
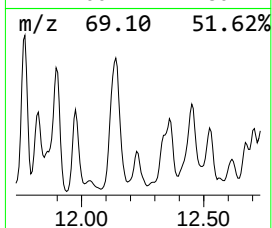
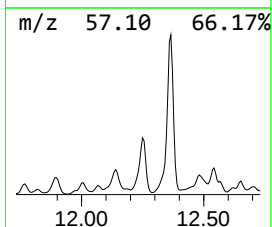
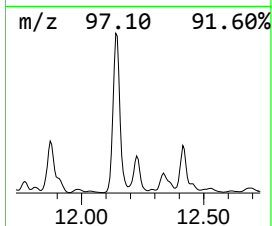
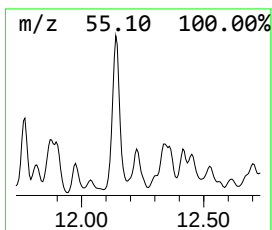
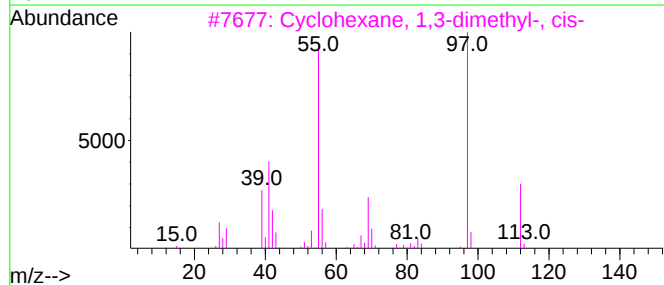
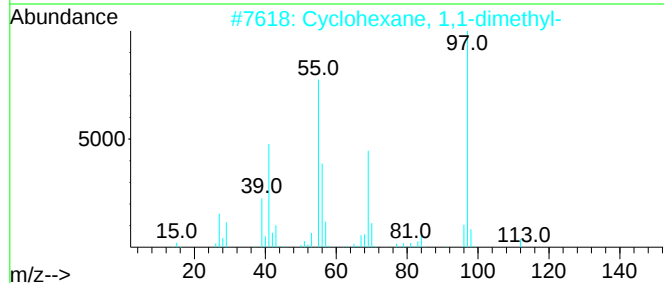
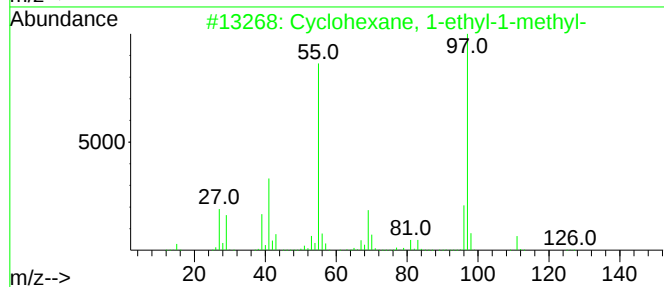
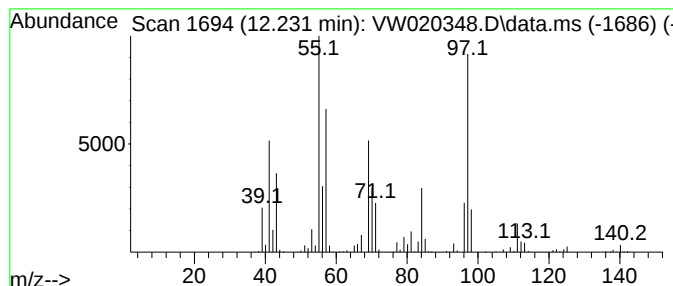
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic12.231 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.231	23.22 ug/L	1222480	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

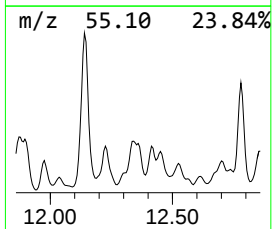
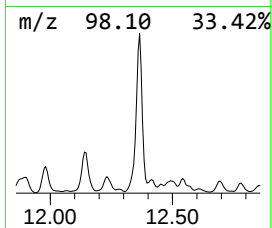
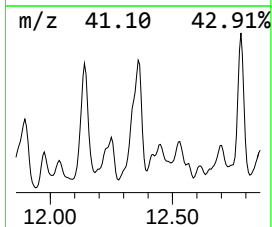
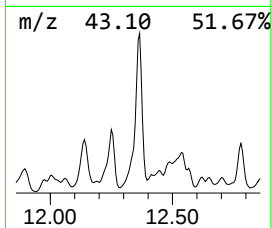
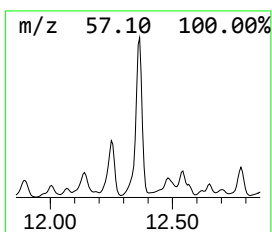
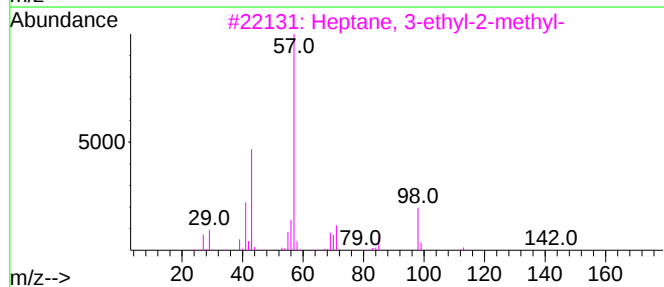
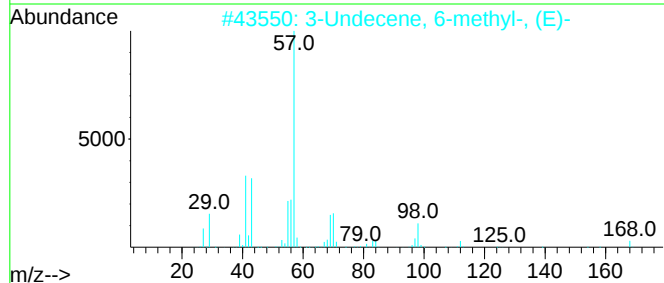
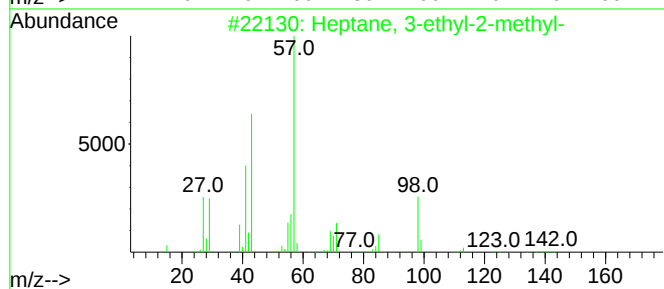
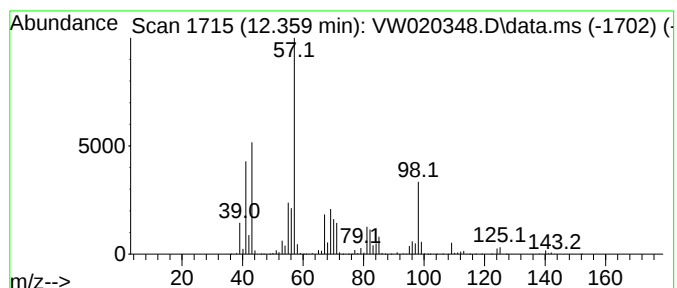
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.359	137.46 ug/L	7236580	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	68
2	3-Undecene, 6-methyl-, (E)-		168	C12H24	074630-52-7	50
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50
4	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	49
5	Carbonic acid, heptyl vinyl ester		186	C10H18O3	1010383-25-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

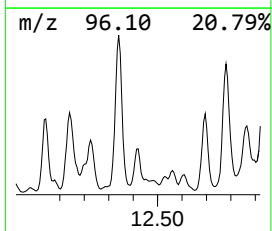
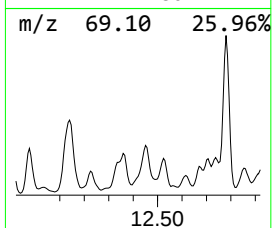
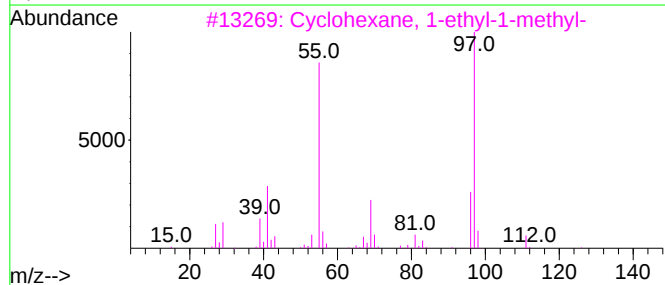
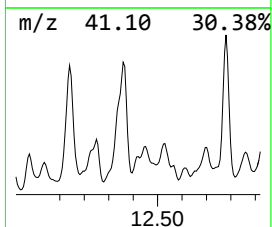
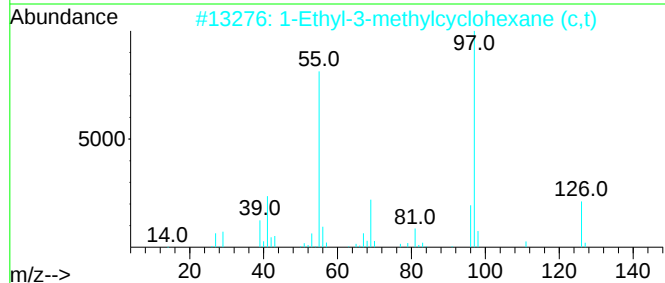
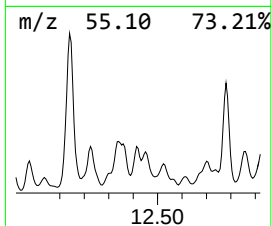
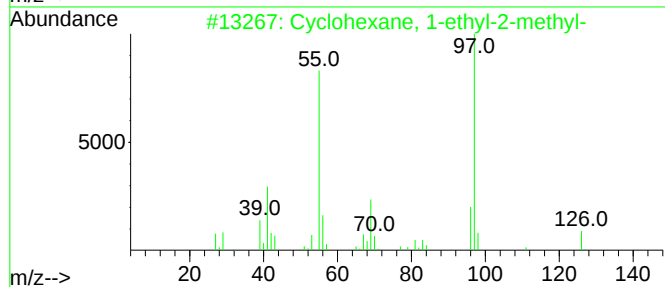
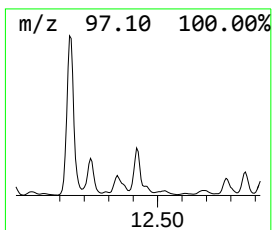
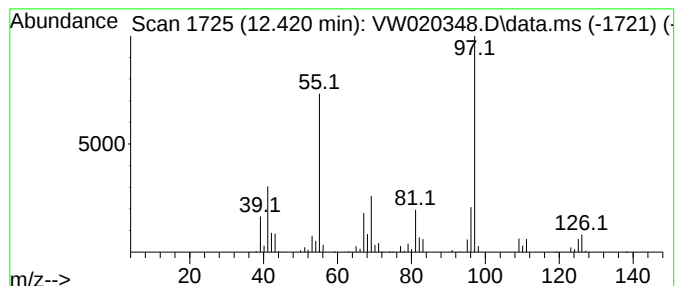
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic12.420 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.420	10.56 ug/L	555703	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
4		Cycloheptanemethanol	128	C8H16O	004448-75-3	64
5		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

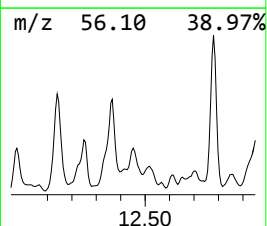
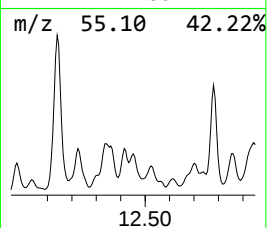
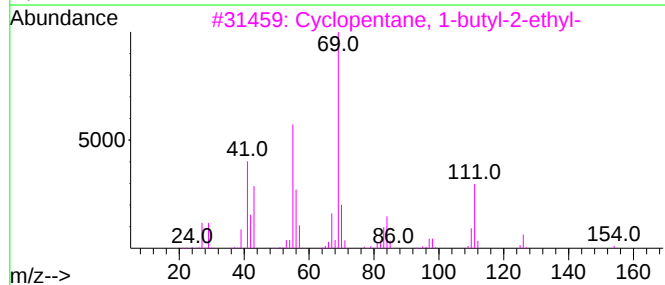
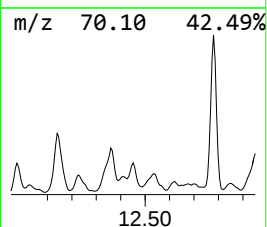
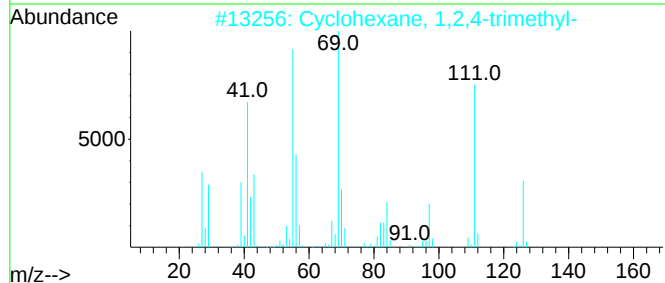
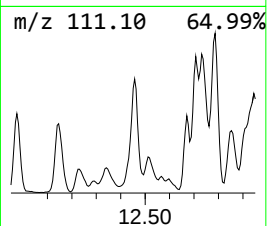
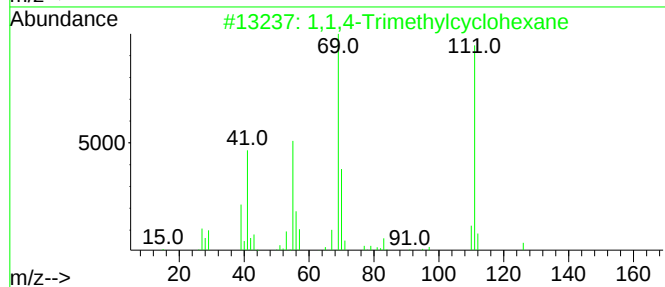
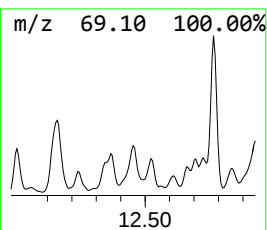
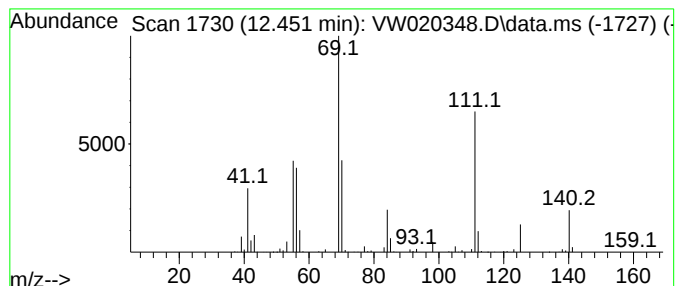
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Cyclic12.451 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	20.82 ug/L	1096080	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	50
4		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

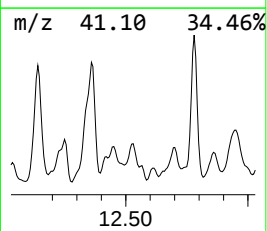
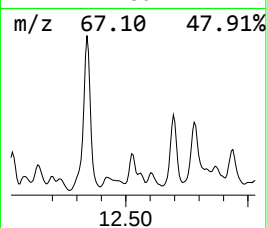
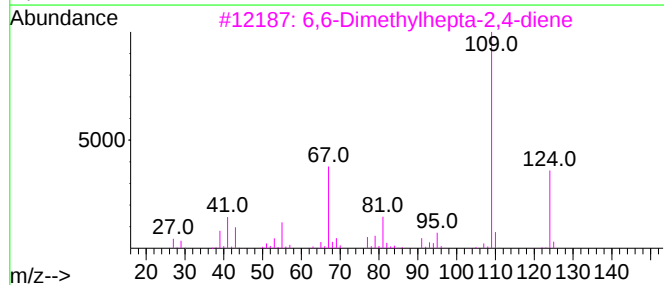
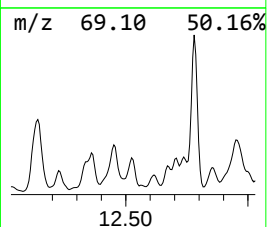
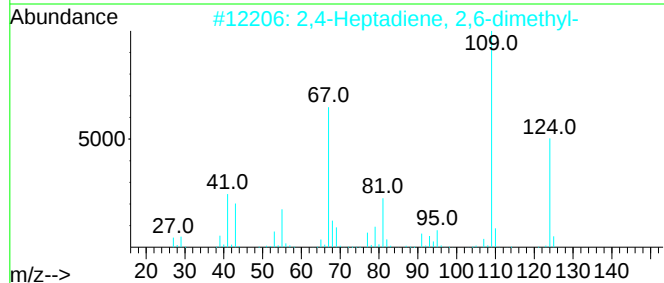
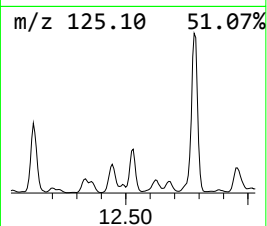
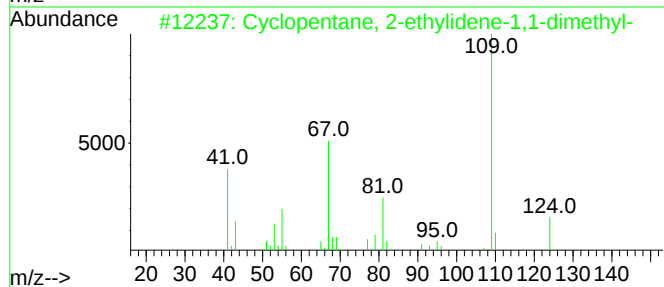
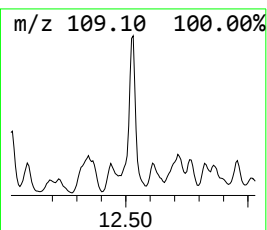
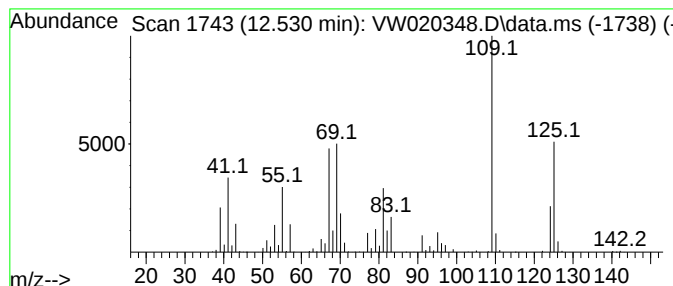
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 Cyclopentane, 2-ethylidene-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.530	19.57 ug/L	1030400	Chlorobenzene-d5		11.634	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	93
2		2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	62
3		6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	58
4		1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	53
5		1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

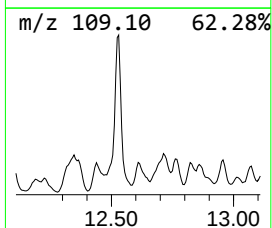
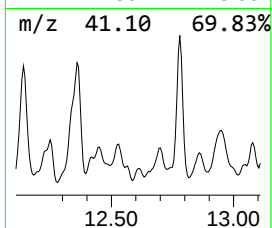
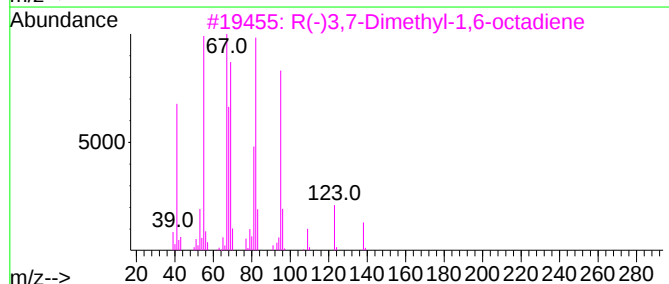
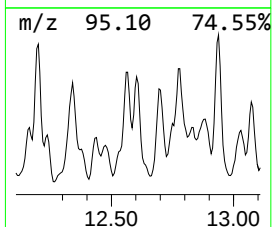
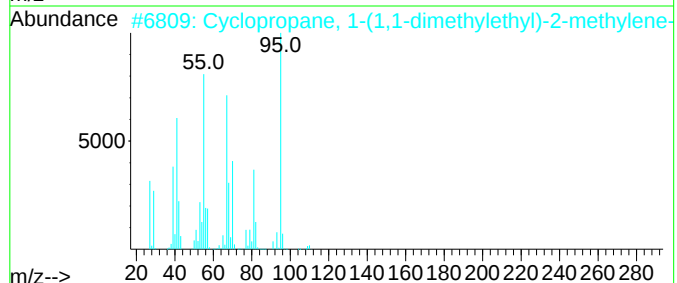
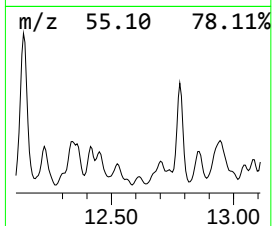
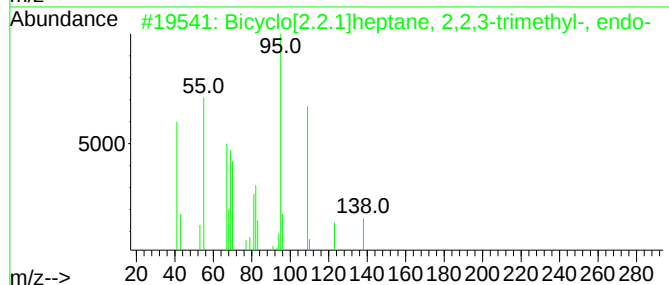
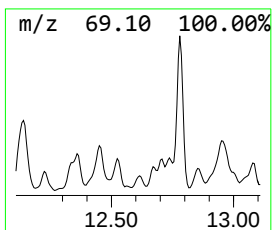
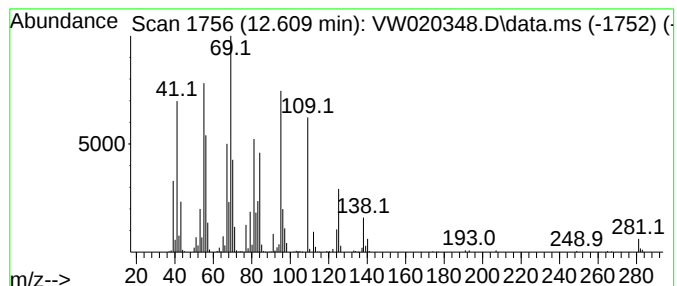
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Quant Title : SFAM01.0

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

Peak Number 43 unknown-03 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.609	9.96 ug/L	534160	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	49
2			Cyclopropane, 1-(1,1-dimethyleth...	110	C8H14	061142-25-4	42
3			R(-)3,7-Dimethyl-1,6-octadiene	138	C10H18	010281-56-8	41
4			Cyclopentane, ethyl-	98	C7H14	001640-89-7	30
5			Pentane, 3-methylene-	84	C6H12	000760-21-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

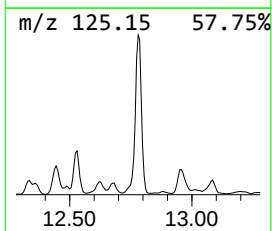
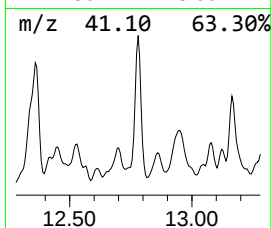
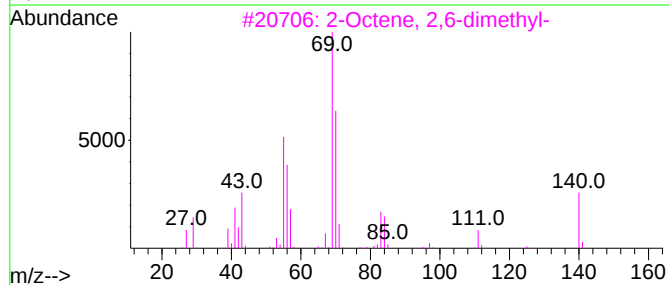
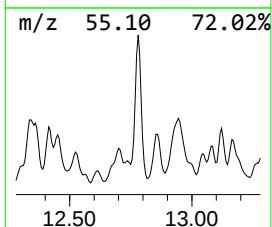
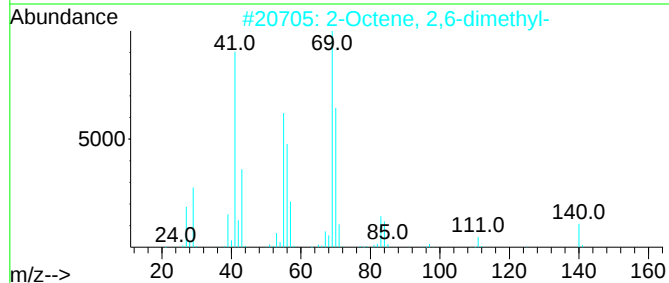
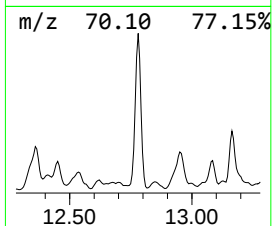
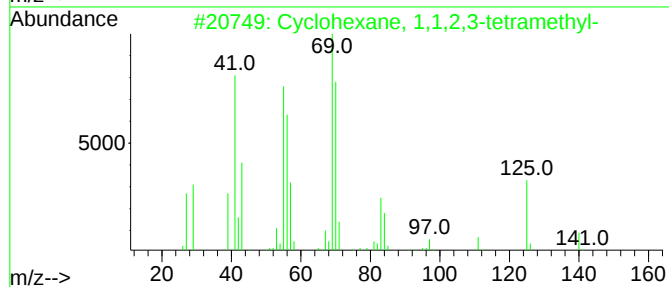
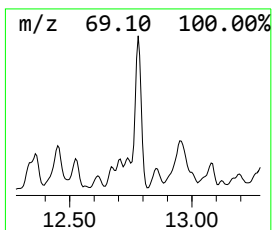
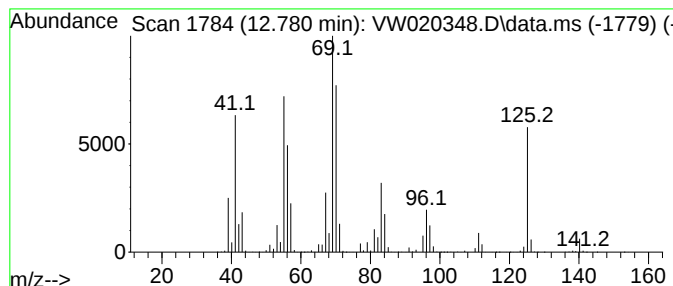
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Cyclic12.780 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	89.15 ug/L	4782820	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

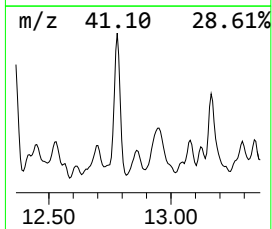
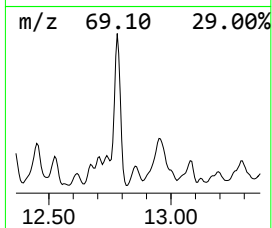
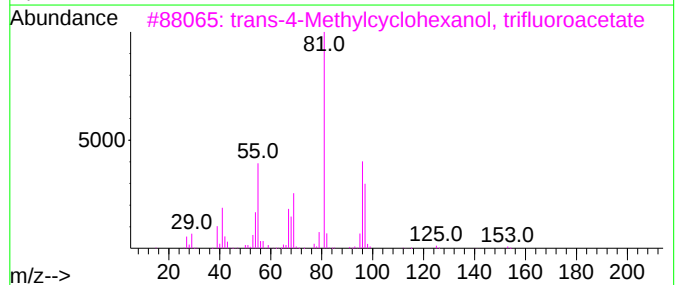
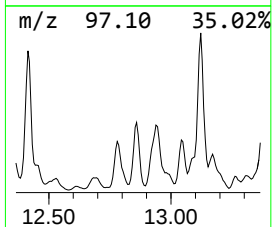
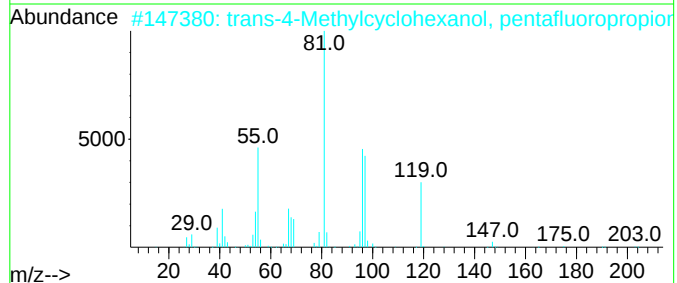
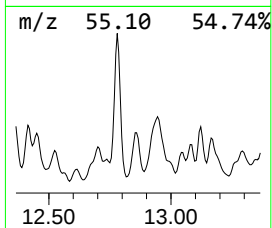
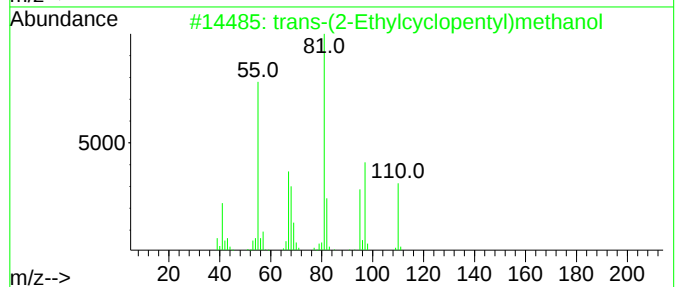
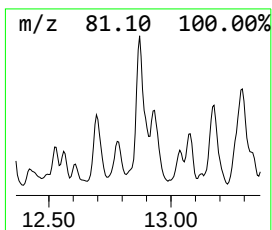
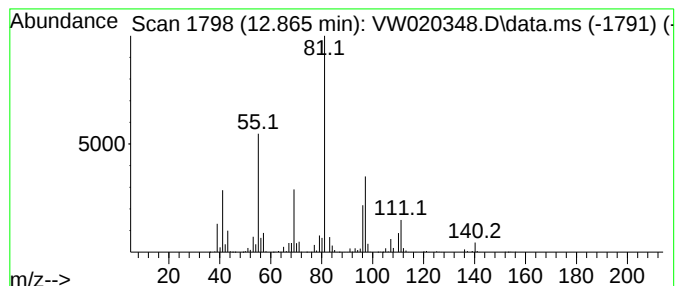
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Quant Title : SFAM01.0

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

Peak Number 45 unknown-04 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	24.00 ug/L	1287520	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-(2-Ethylcyclopentyl)methanol	128	C8H16O	036258-08-9	45
2			trans-4-Methylcyclohexanol, pent...	260	C10H18O	1000364-13-9	42
3			trans-4-Methylcyclohexanol, trif...	210	C9H18O	1000364-13-8	42
4			1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3NO2	1000301-43-3	32
5			Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	001678-82-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

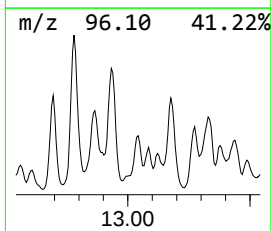
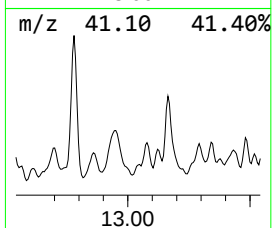
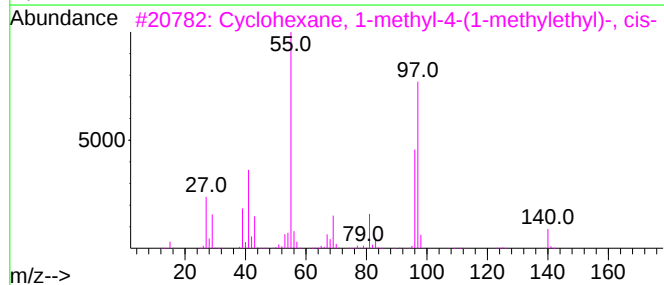
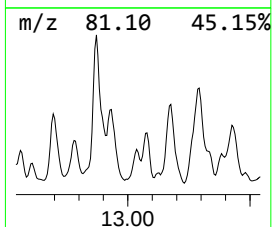
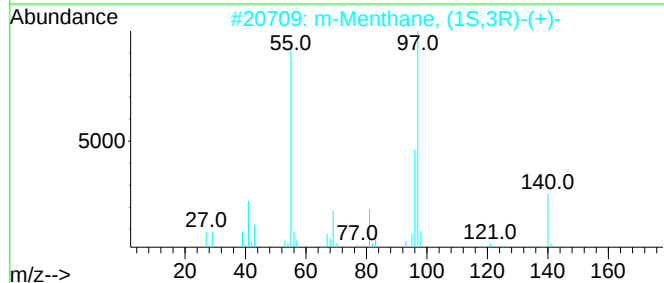
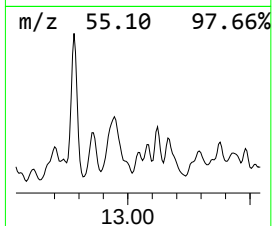
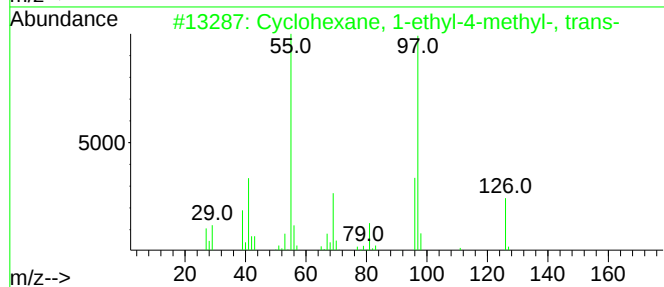
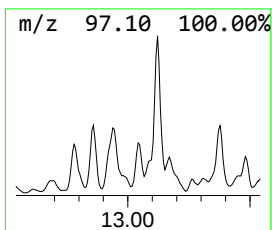
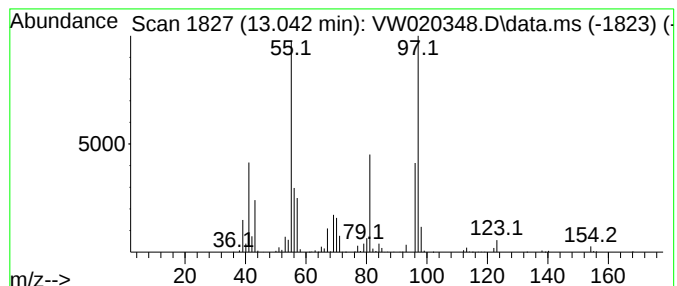
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Cyclic13.042 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.042	6.17 ug/L	331064	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
2			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	64
5			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

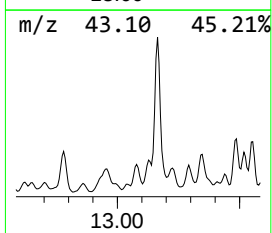
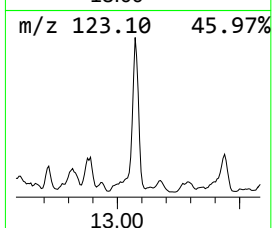
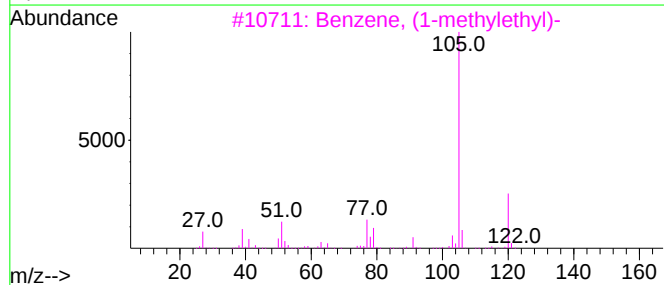
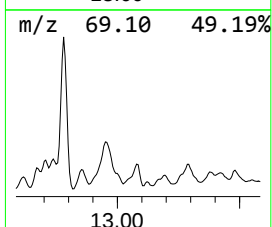
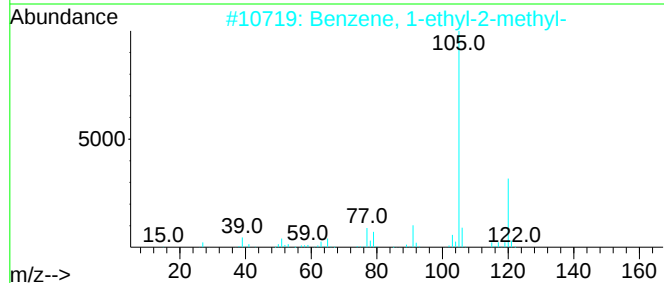
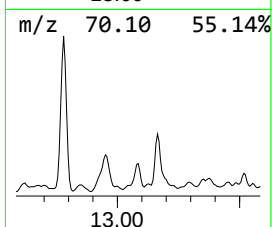
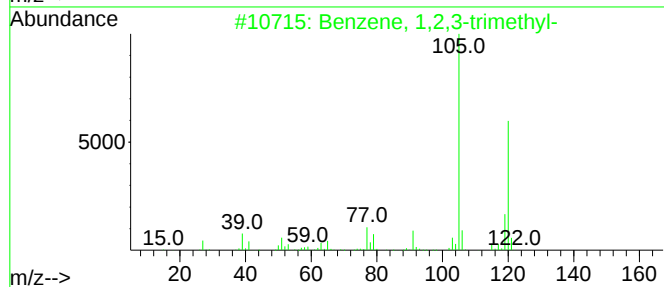
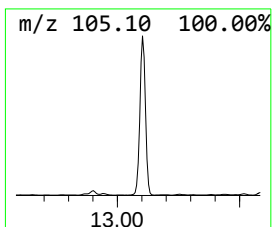
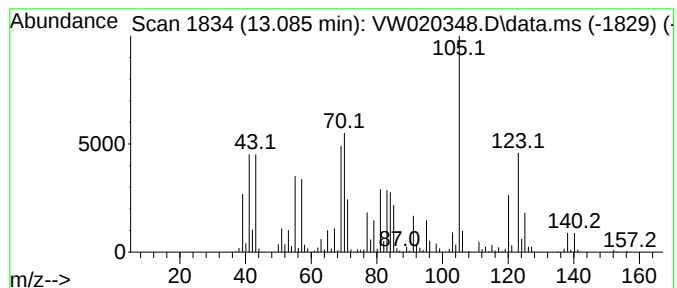
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Quant Title : SFAM01.0

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

Peak Number 47 unknown-05 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.085	18.49 ug/L	991801	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	47
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	43
3			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	35
5			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

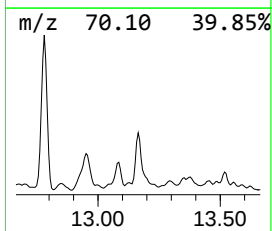
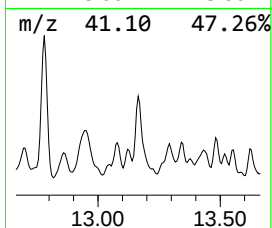
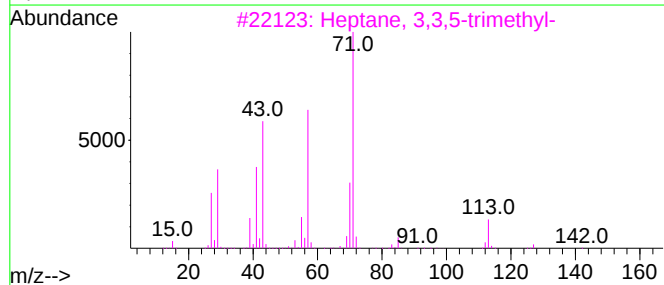
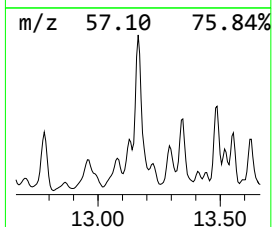
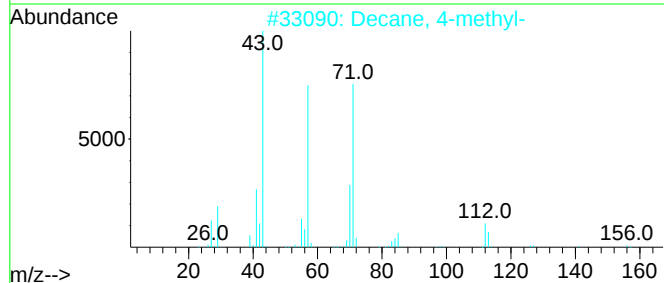
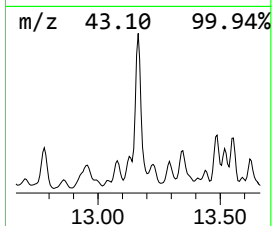
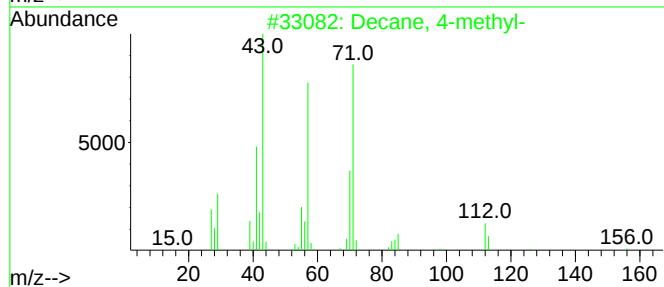
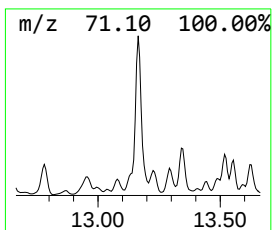
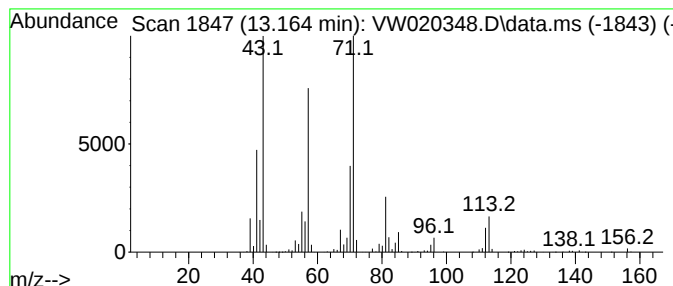
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	64.56 ug/L	3463510	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	93
2		Decane, 4-methyl-	156	C11H24	002847-72-5	90
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

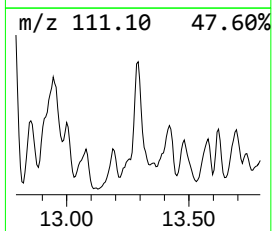
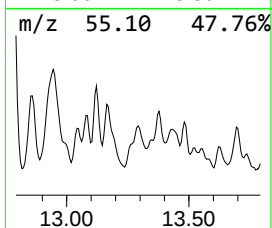
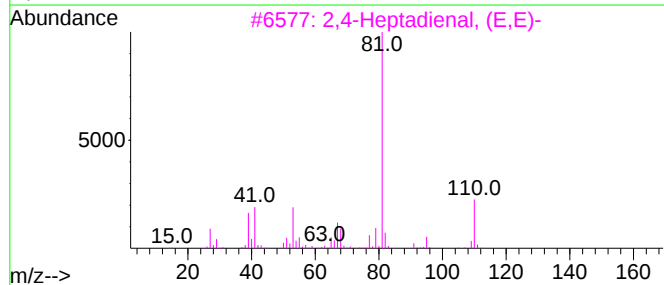
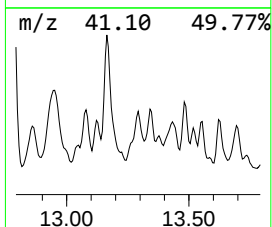
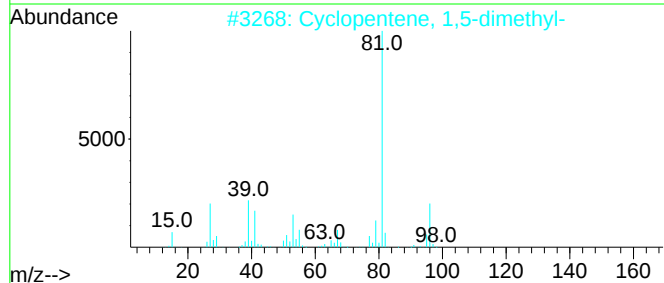
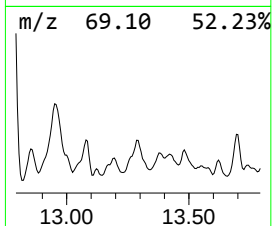
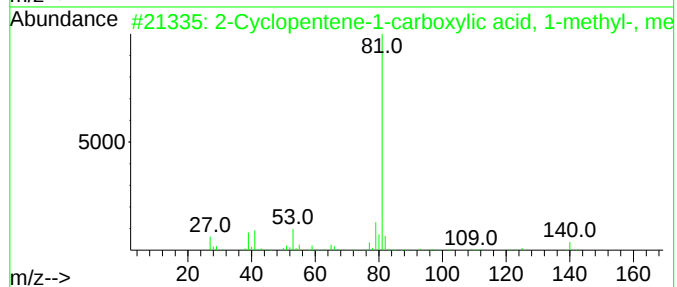
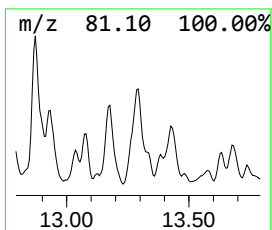
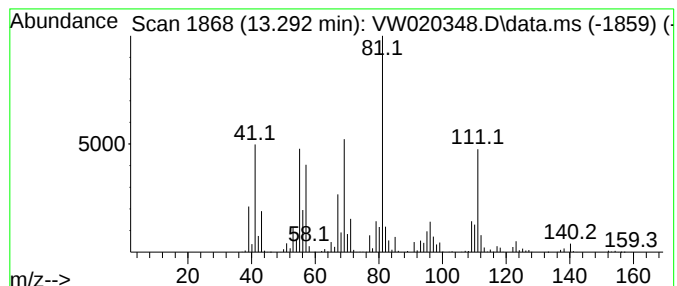
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 unknown-06 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.292	38.62 ug/L	2071780	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	46
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	38
3	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	38
4	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	38
5	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

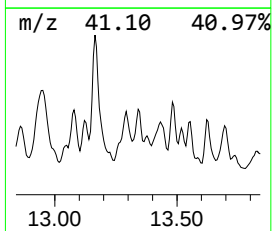
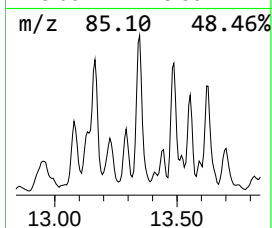
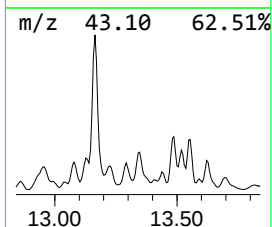
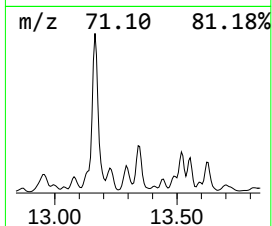
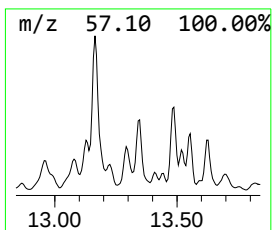
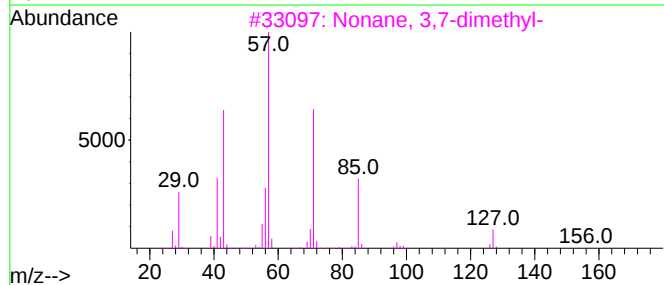
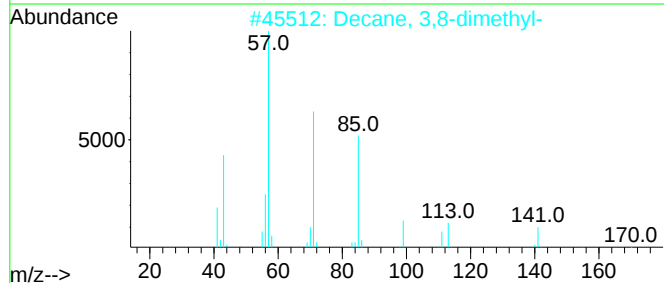
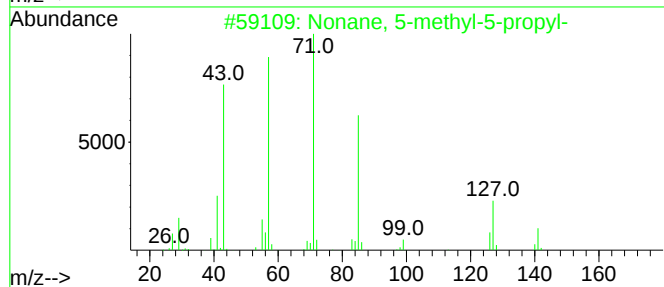
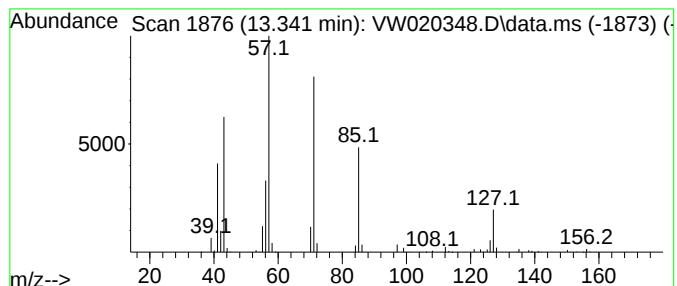
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	9.98 ug/L	535182	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	59
5			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

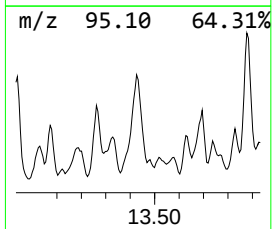
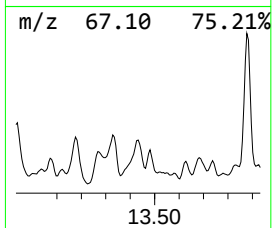
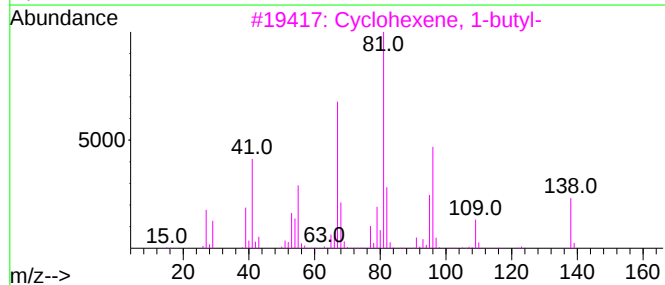
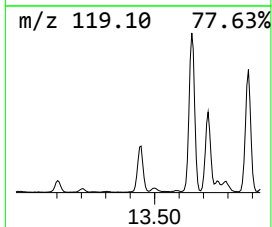
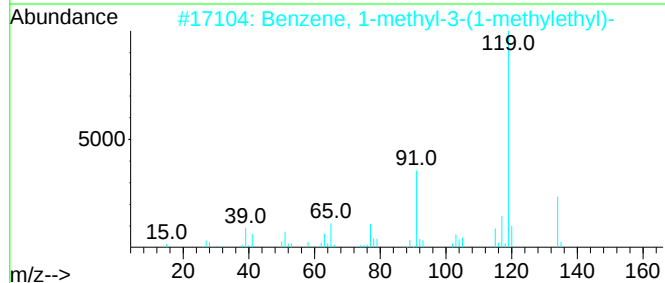
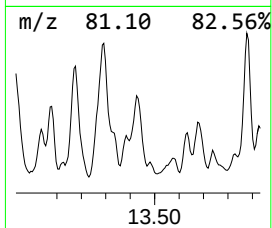
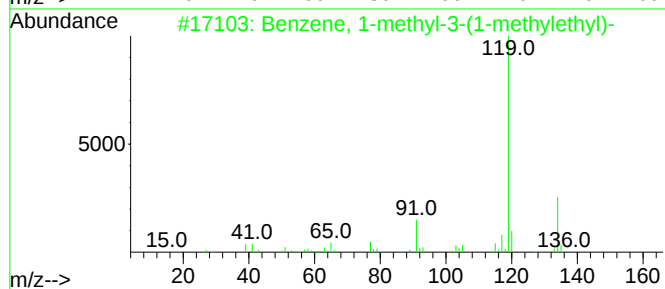
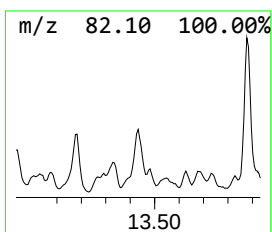
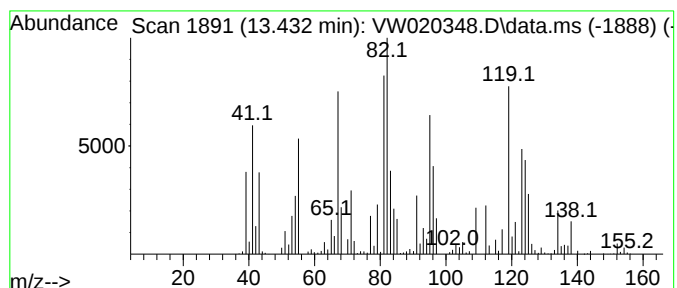
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 51 Benzene, 1-methyl-3-(1-meth... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.432	16.55 ug/L	888094	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	56
2	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	53
3	Cyclohexene, 1-butyl-		138	C10H18	003282-53-9	41
4	o-Cymene		134	C10H14	000527-84-4	40
5	Cyclohexane, methylene-		96	C7H12	001192-37-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

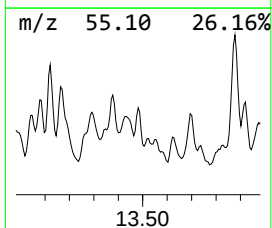
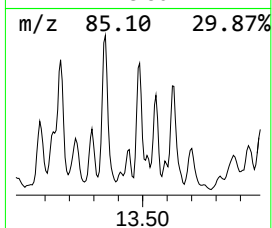
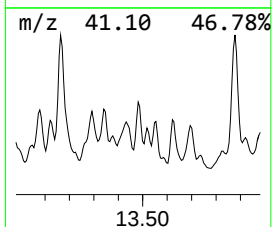
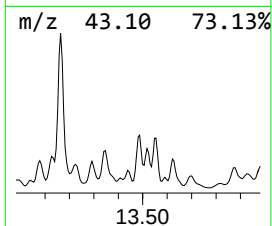
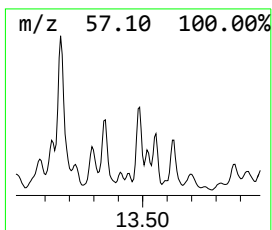
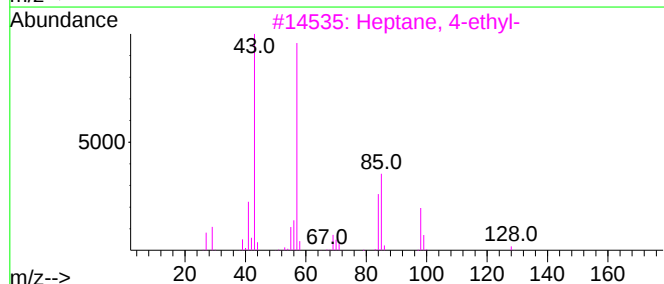
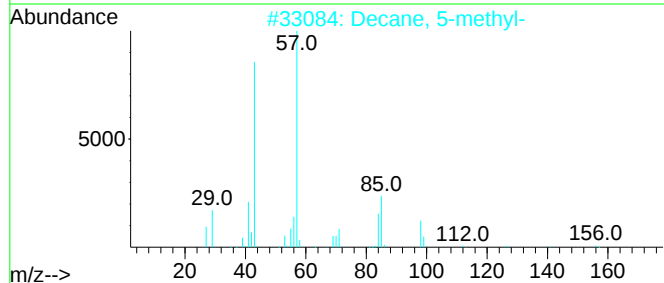
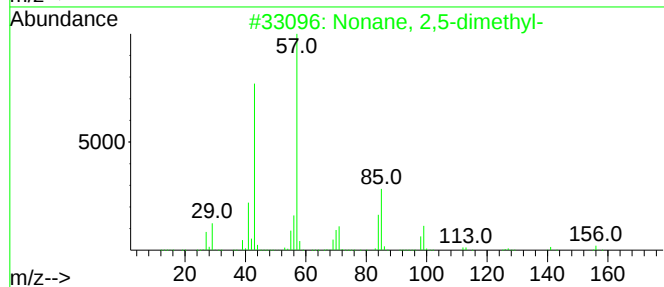
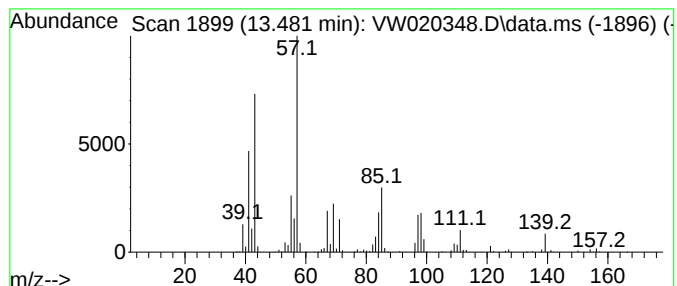
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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	13.65 ug/L	732238	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	45
2		Decane, 5-methyl-	156	C11H24	013151-35-4	43
3		Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
4		Decane, 5-methyl-	156	C11H24	013151-35-4	38
5		Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

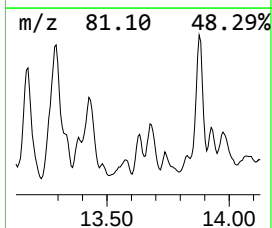
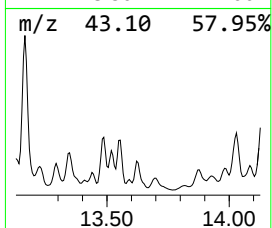
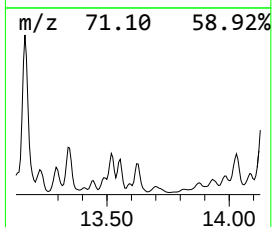
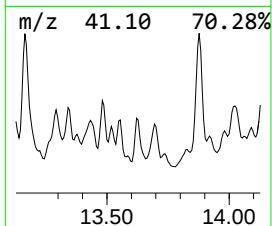
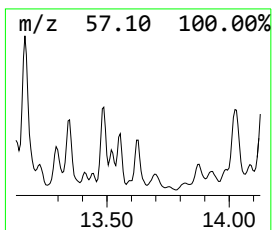
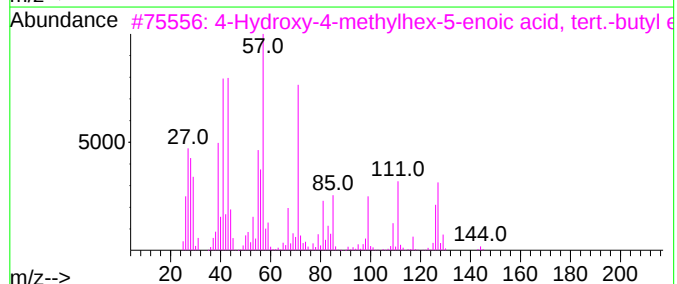
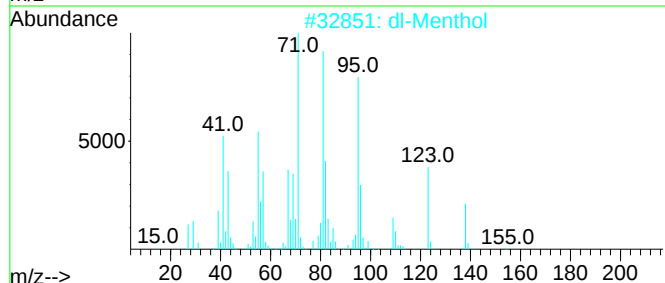
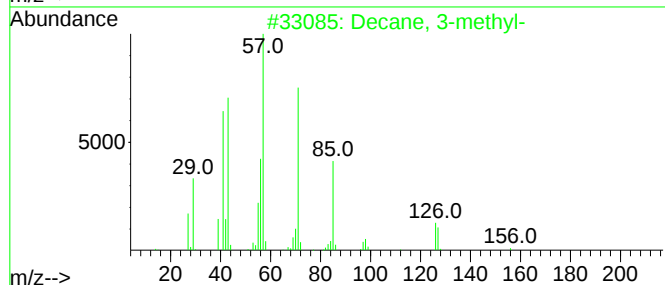
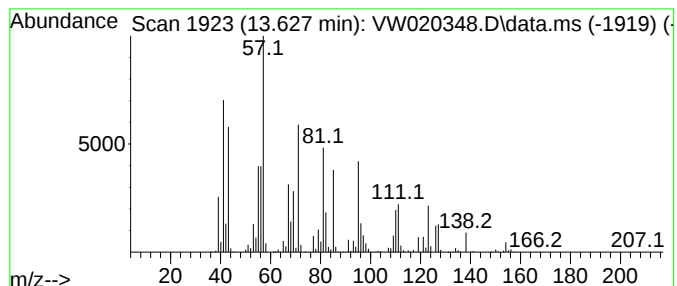
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.627	24.58 ug/L	1318830	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	64
2	dl-Menthol		156	C10H20O	000089-78-1	43
3	4-Hydroxy-4-methylhex-5-enoic ac...		200	C11H20O3	1010197-85-2	38
4	3,4-Dimethylcyclohexanol		128	C8H16O	005715-23-1	38
5	Cyclohexanol, 1-methyl-4-(1-meth...		156	C10H20O	021129-27-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

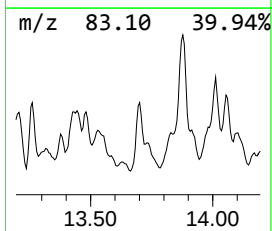
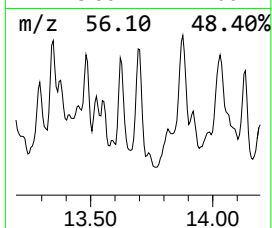
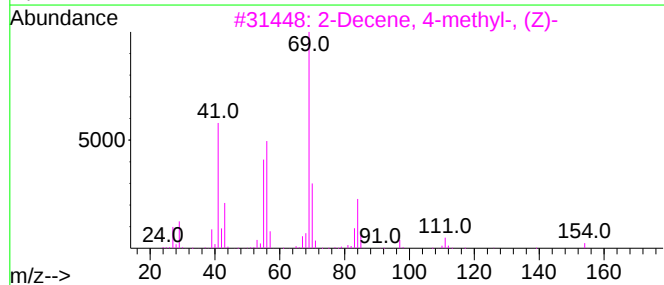
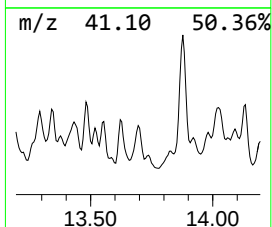
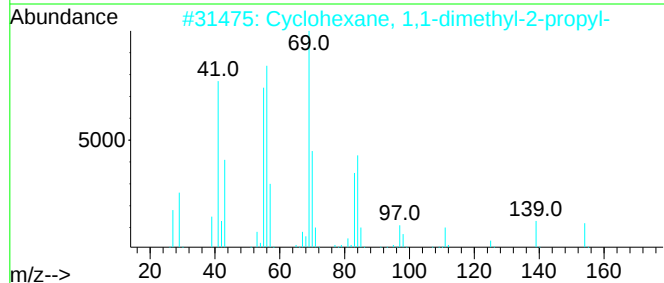
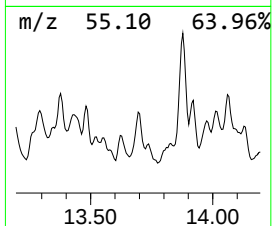
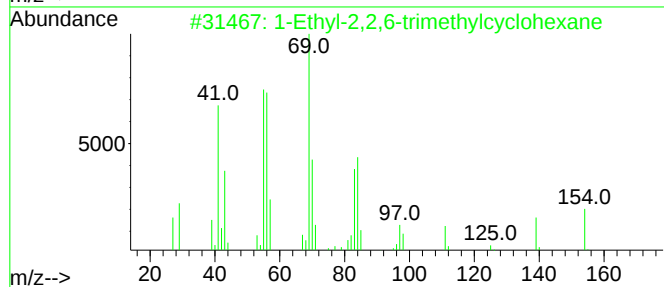
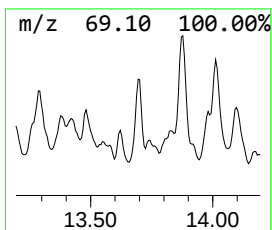
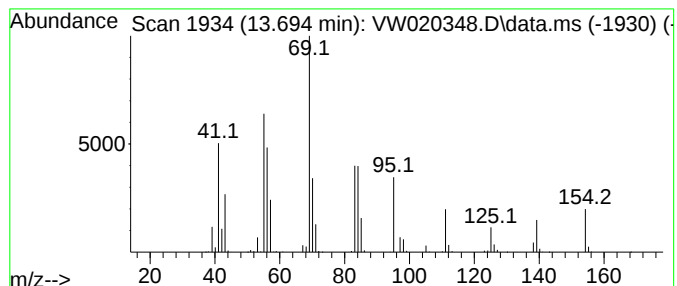
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Cyclic13.695 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.695	10.65 ug/L	571284	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	83
3			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	58
4			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	53
5			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

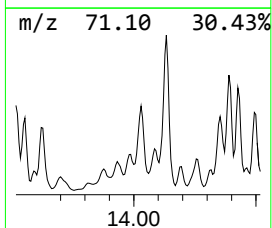
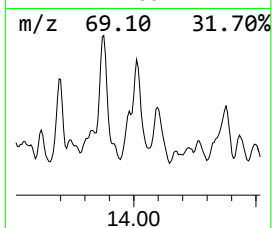
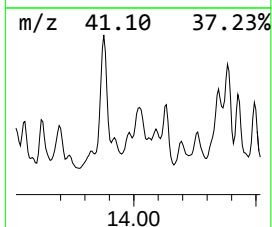
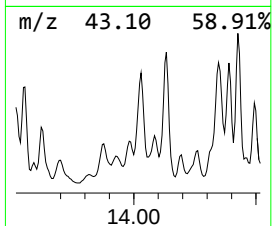
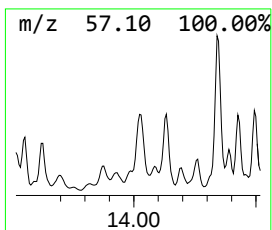
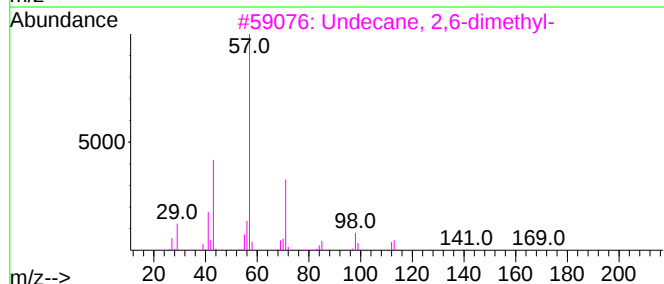
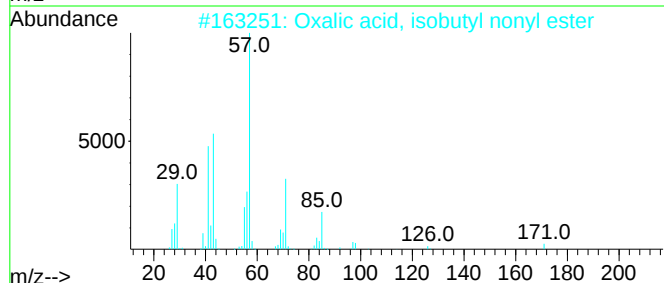
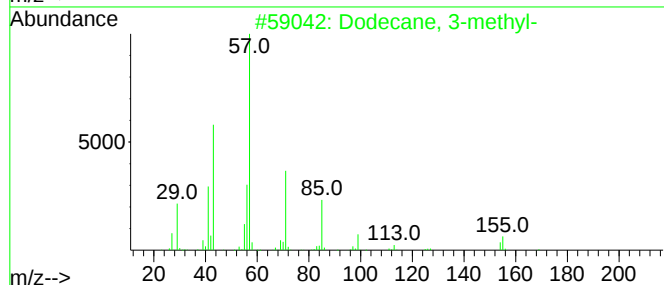
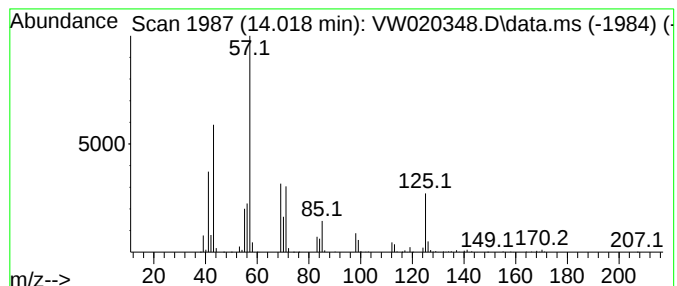
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Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.018	12.28 ug/L	658821	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
2			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	47
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
4			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	47
5			Undecane	156	C11H24	001120-21-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

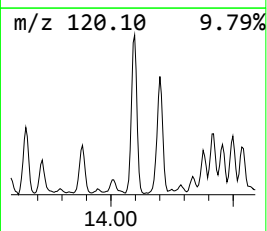
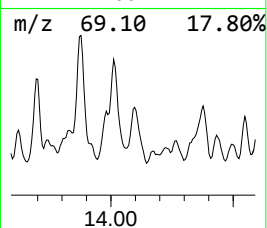
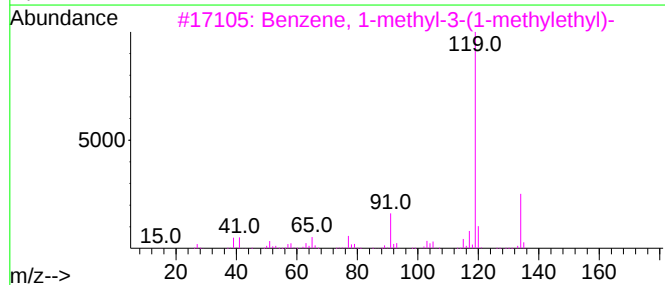
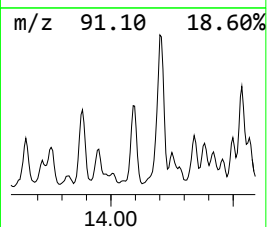
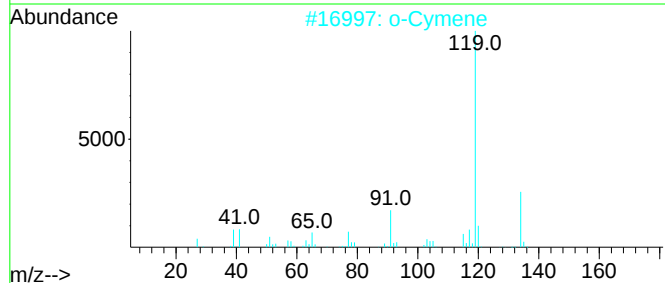
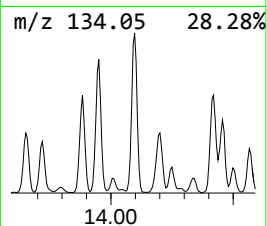
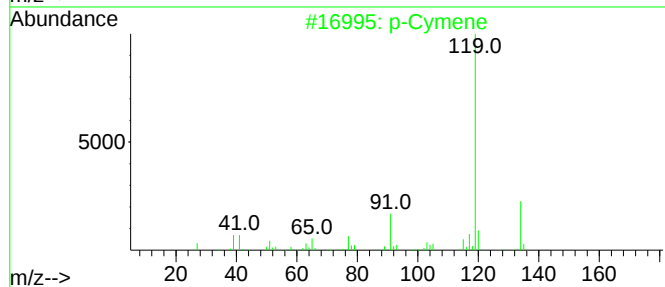
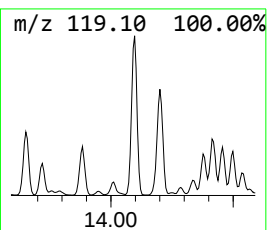
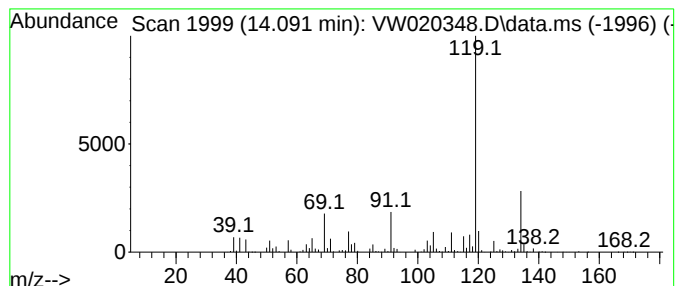
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Quant Title : SFAM01.0

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

Peak Number 56 p-Cymene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	15.47 ug/L	829827	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

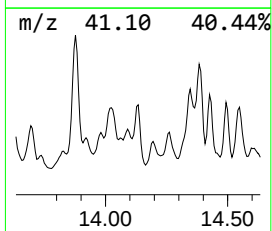
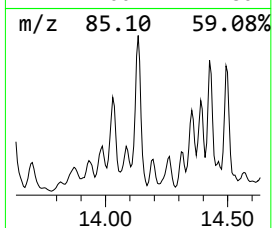
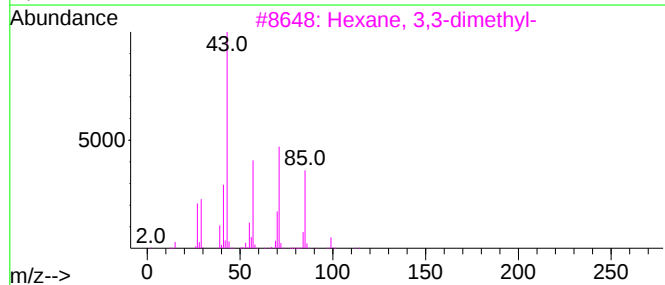
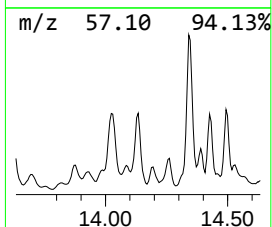
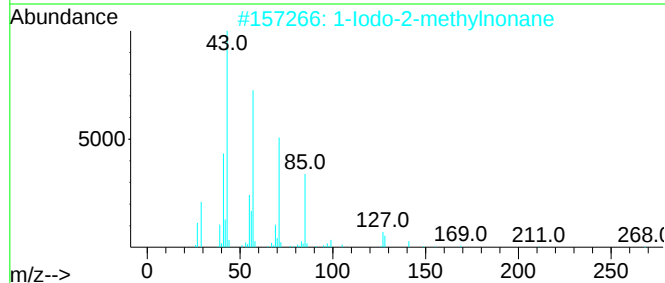
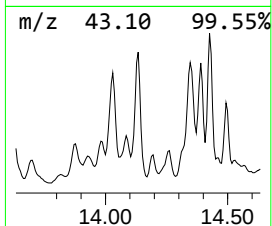
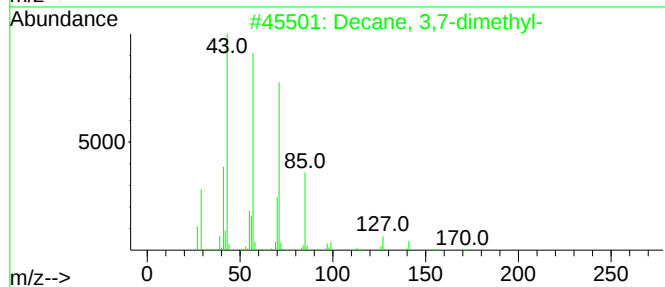
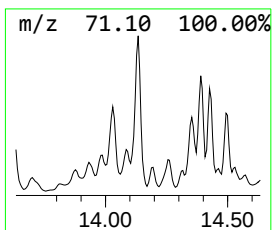
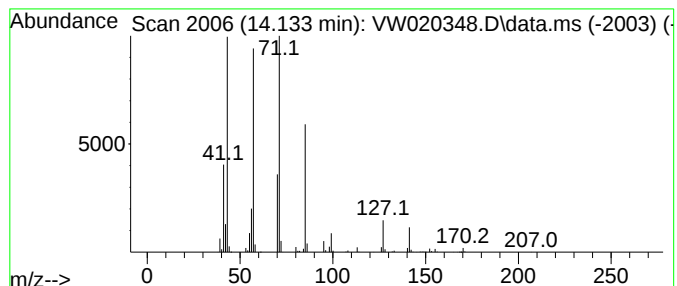
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Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	18.07 ug/L	969522	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

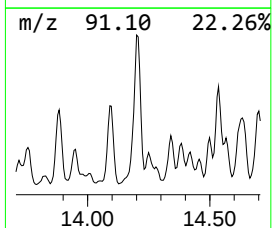
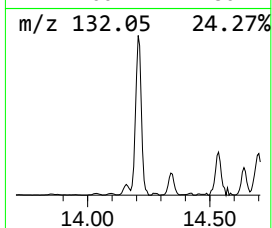
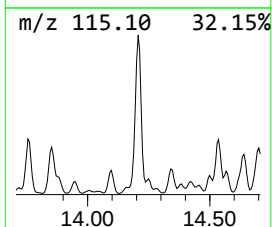
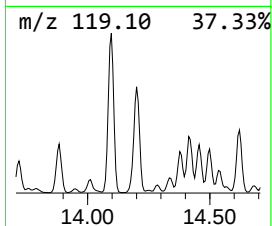
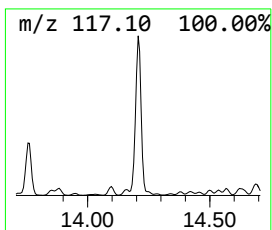
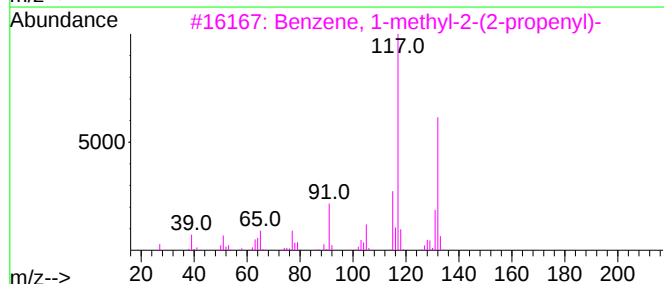
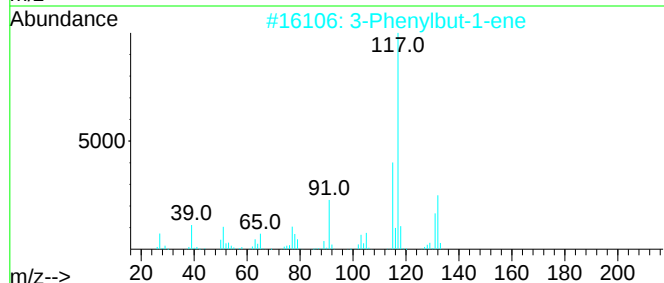
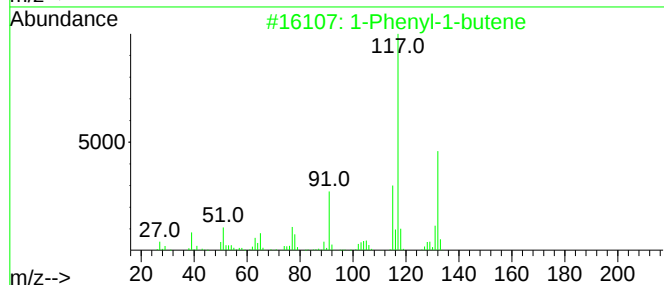
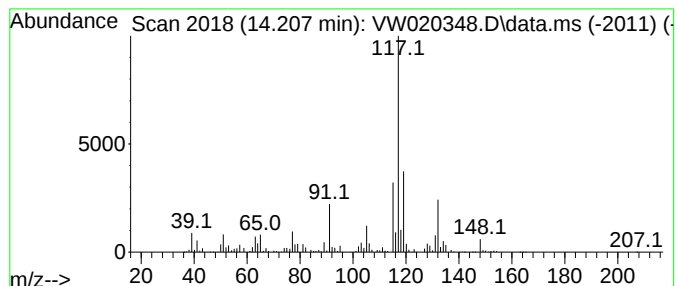
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Quant Title : SFAM01.0

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

Peak Number 58 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	48.34 ug/L	2593450	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2			3-Phenylbut-1-ene	132	C10H12	000934-10-1	89
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

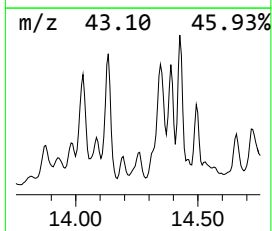
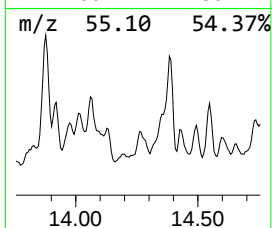
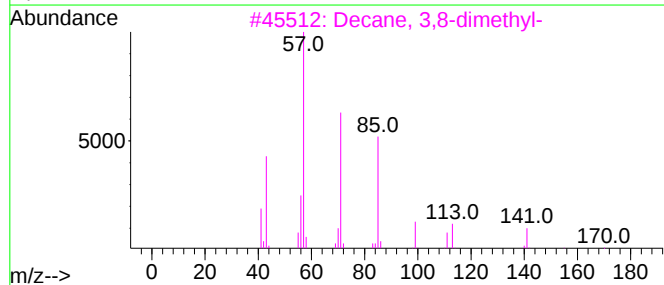
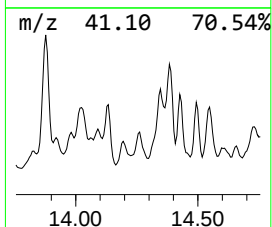
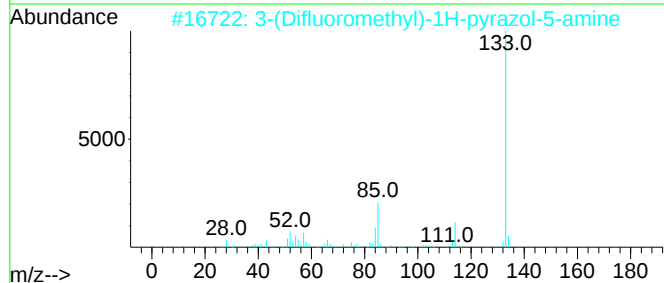
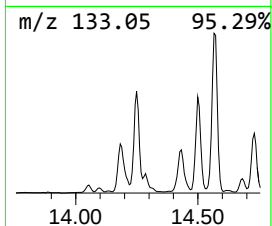
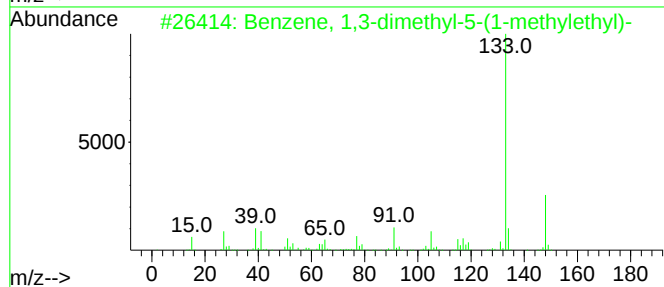
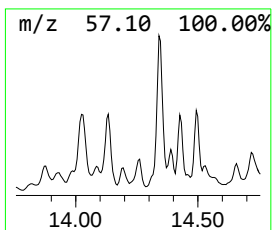
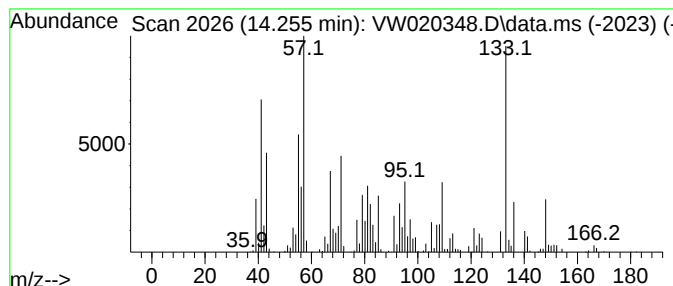
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Quant Title : SFAM01.0

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

Peak Number 59 unknown-07 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	17.52 ug/L	939968	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	30
2			3-(Difluoromethyl)-1H-pyrazol-5-...	133	C4H5F2N3	1284220-49-0	27
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	11
4			Spiro[4.5]dec-6-ene	136	C10H16	000697-28-9	11
5			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

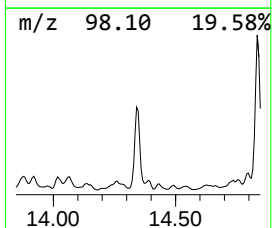
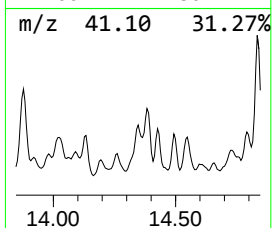
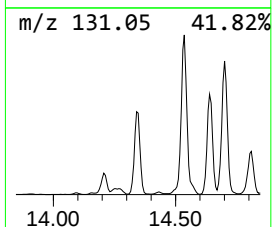
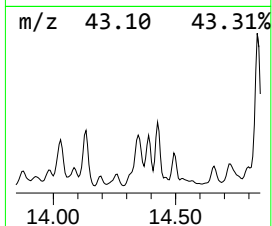
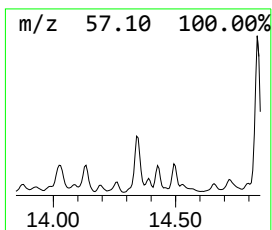
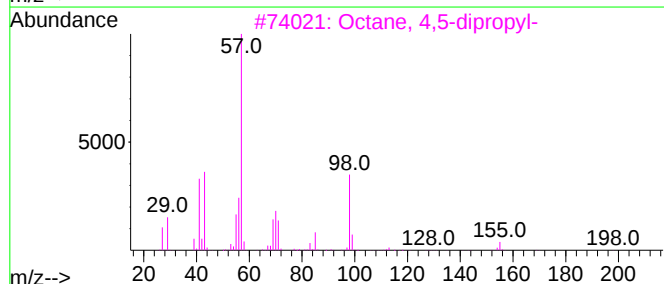
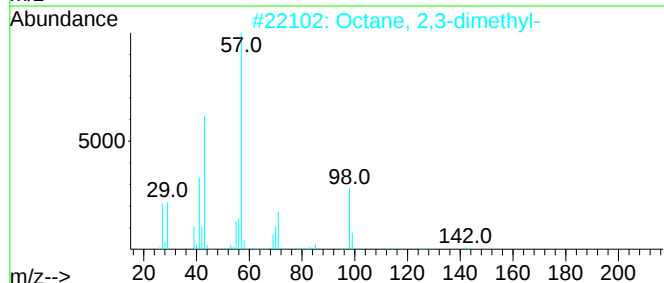
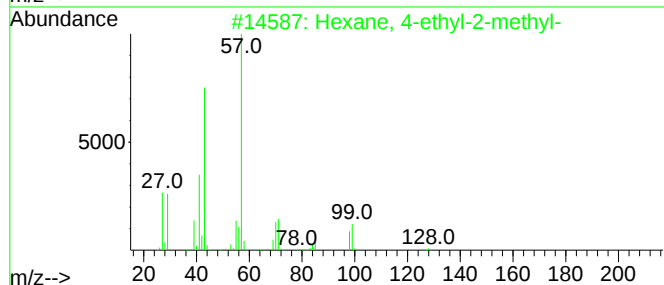
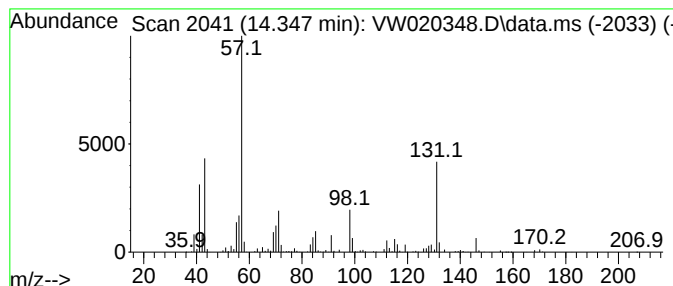
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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.347	42.17 ug/L	2262150	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	38
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
3			Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	35
4			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

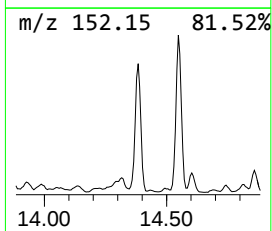
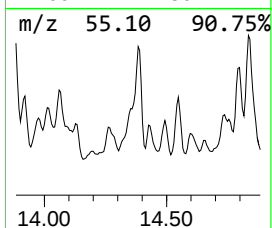
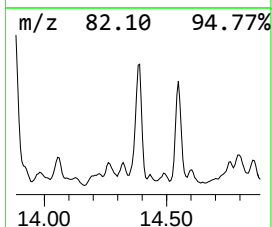
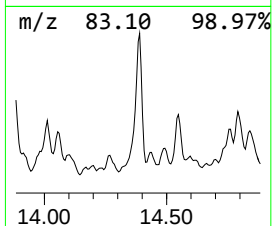
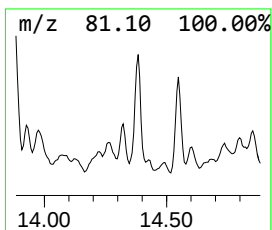
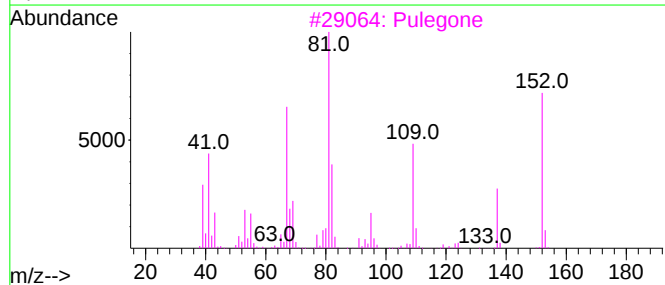
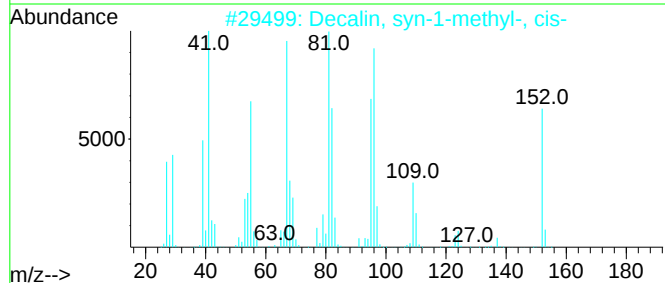
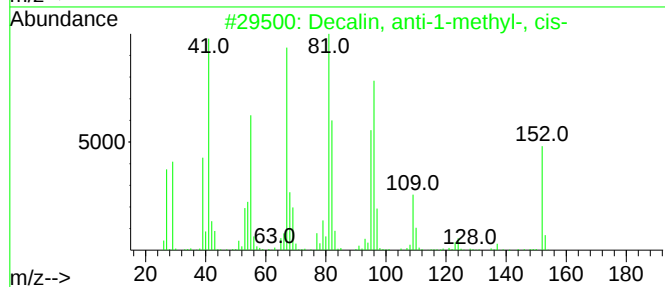
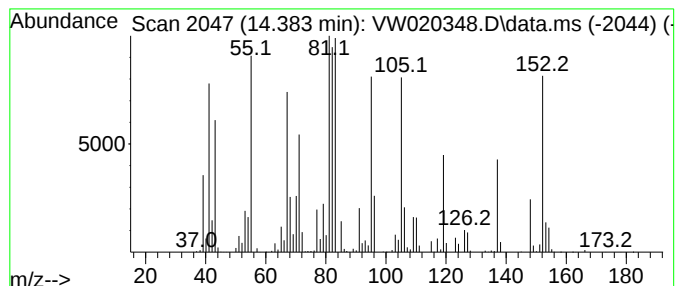
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Quant Title : SFAM01.0

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

Peak Number 61 Decalin, anti-1-methyl-, cis- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	39.68 ug/L	2128940	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	60
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	50
3			Pulegone	152	C10H16O	000089-82-7	41
4			Pulegone	152	C10H16O	000089-82-7	41
5			Pulegone	152	C10H16O	000089-82-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

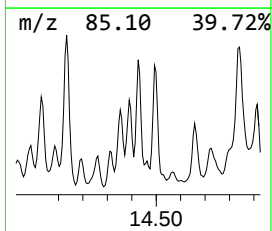
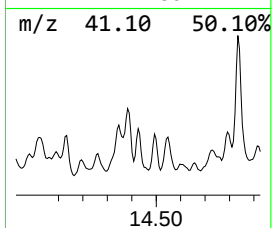
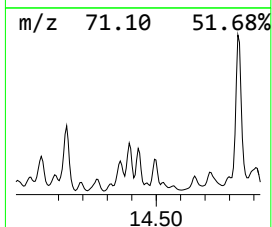
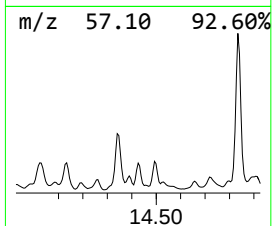
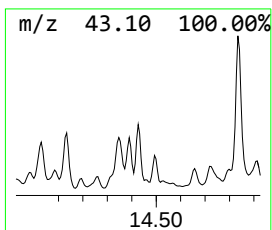
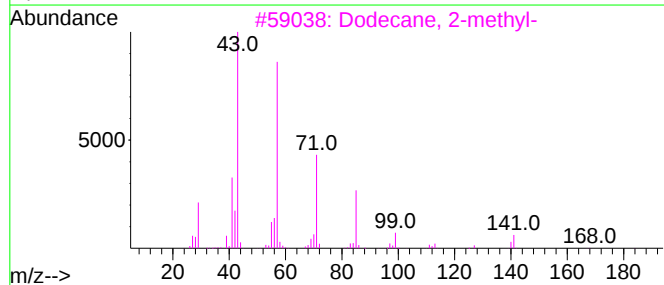
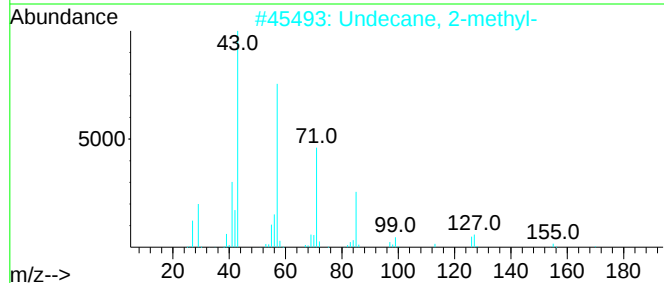
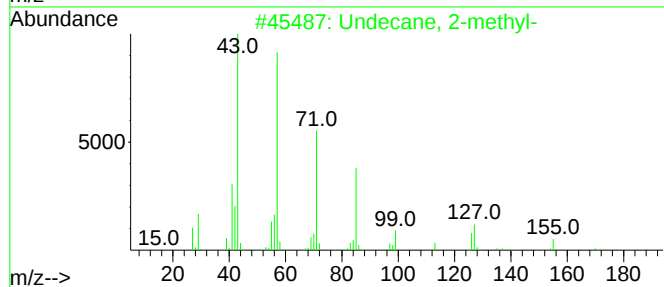
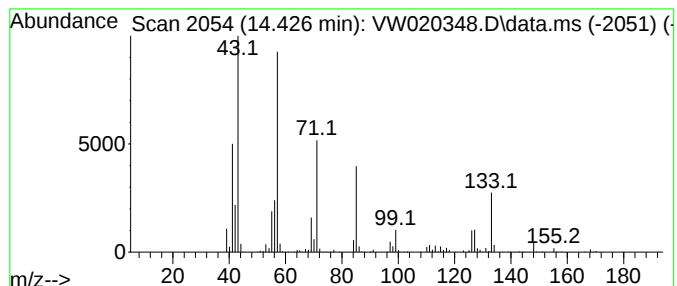
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Quant Title : SFAM01.0

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	17.74 ug/L	951486	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	81
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	70
3			Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
4			Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	53
5			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

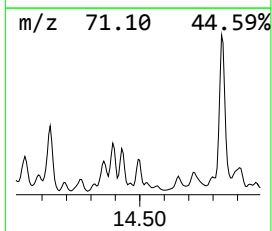
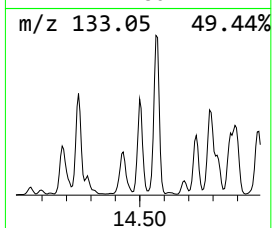
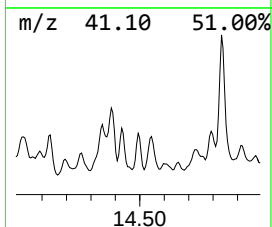
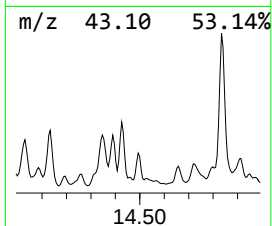
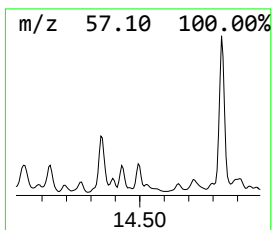
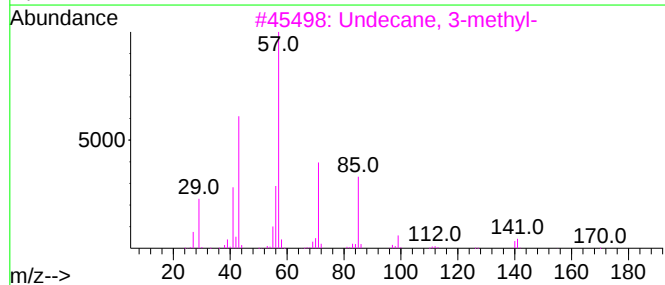
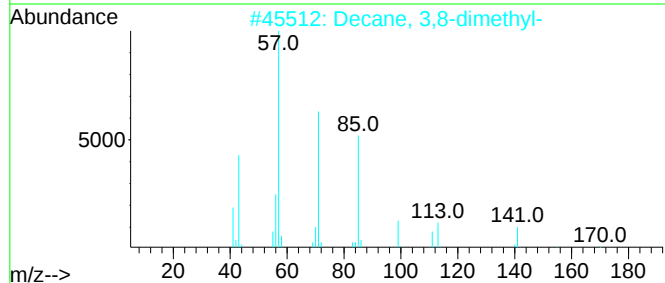
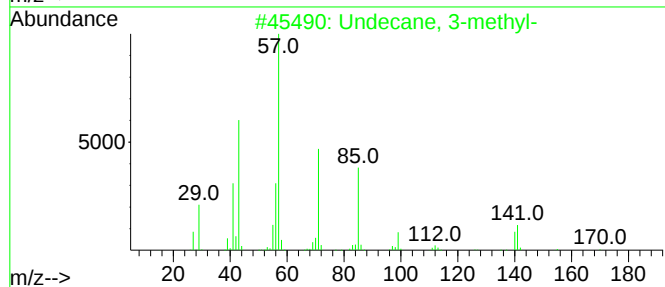
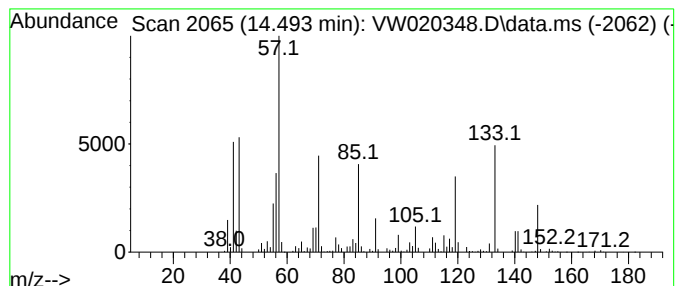
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Quant Title : SFAM01.0

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	19.50 ug/L	1045960	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	60
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	43
4			Decane, 4-ethyl-	170	C12H26	001636-44-8	43
5			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

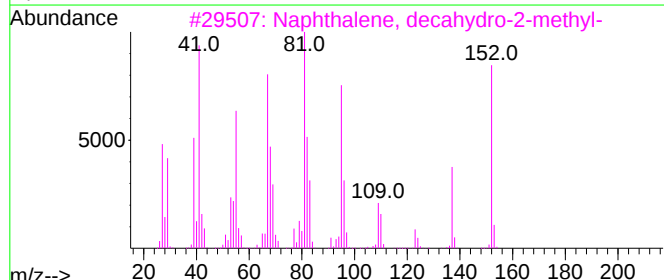
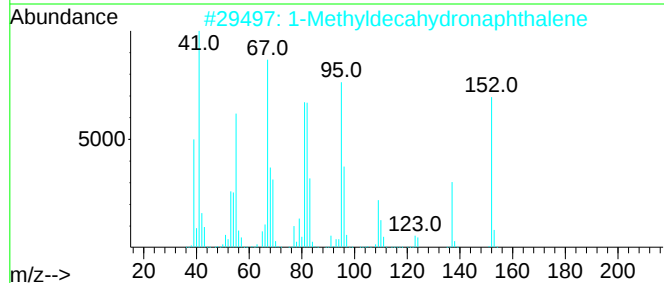
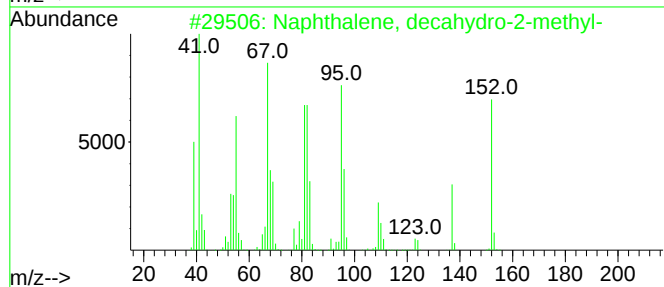
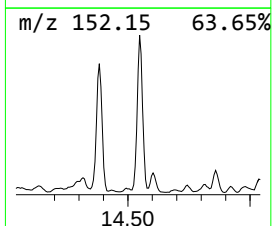
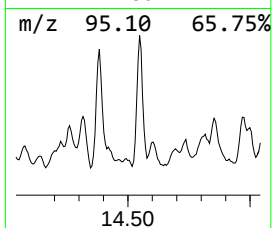
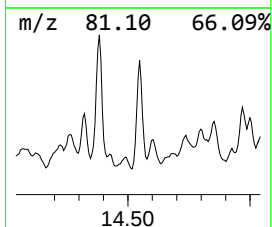
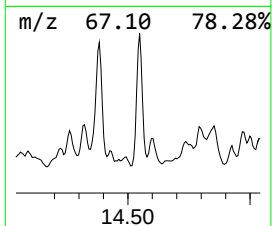
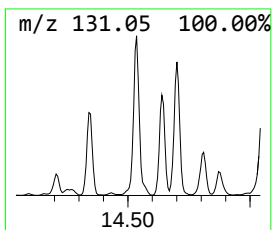
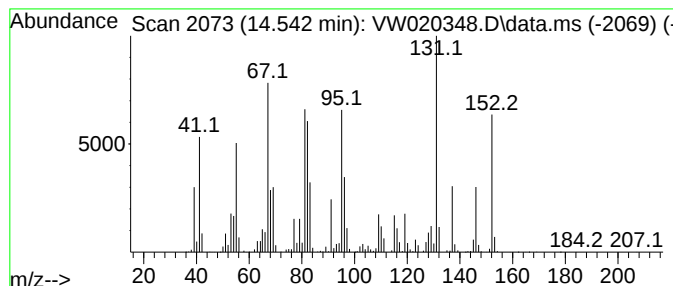
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Quant Title : SFAM01.0

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

Peak Number 64 Naphthalene, decahydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	42.13 ug/L	2260270	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	78
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

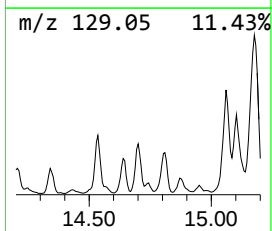
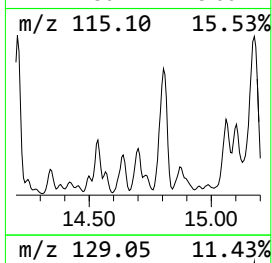
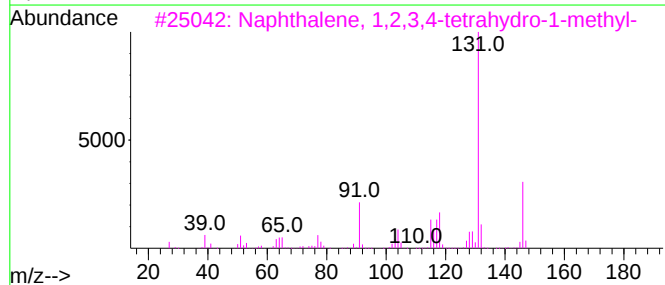
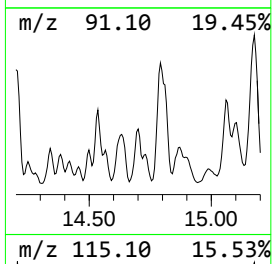
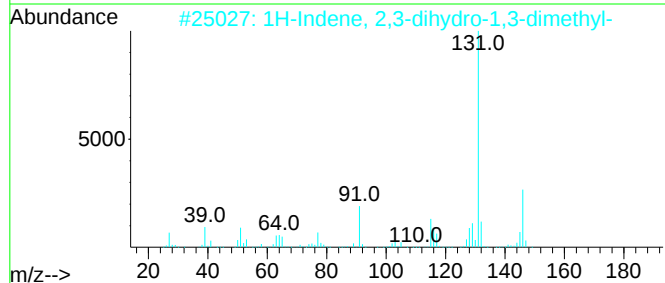
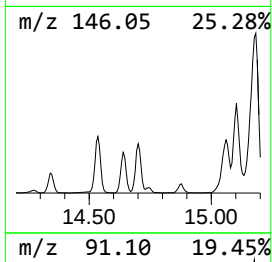
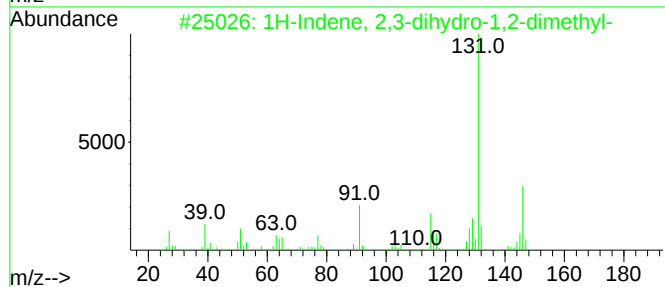
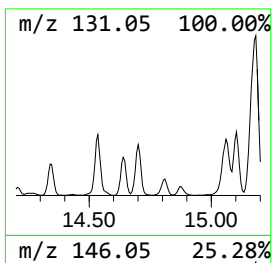
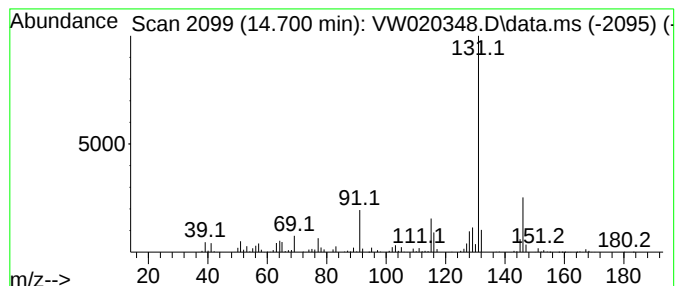
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Quant Title : SFAM01.0

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

Peak Number 65 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.700	13.07 ug/L	701217	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
5			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

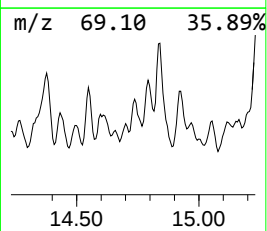
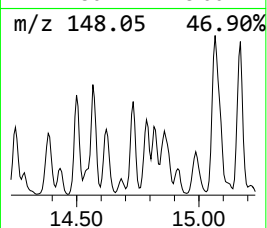
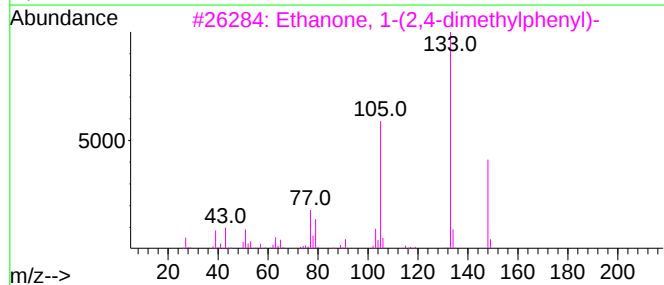
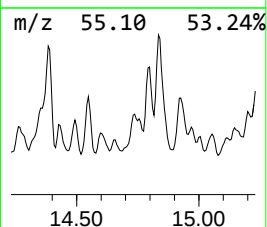
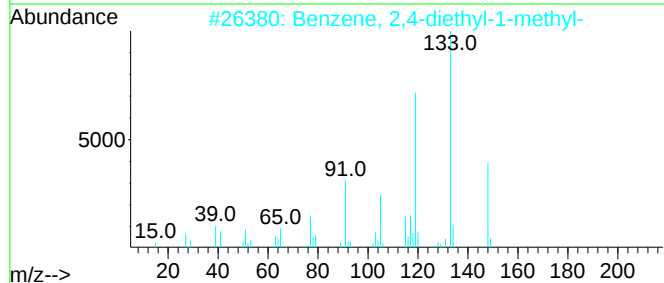
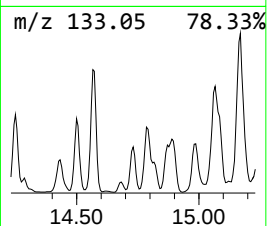
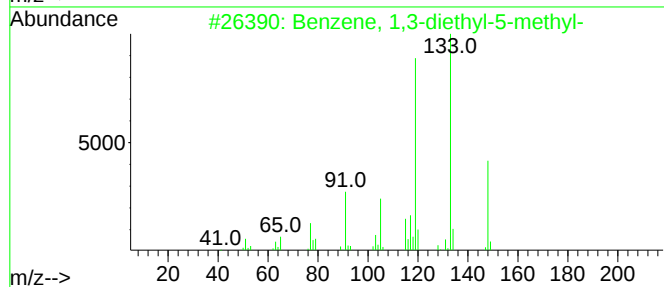
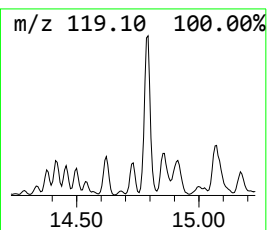
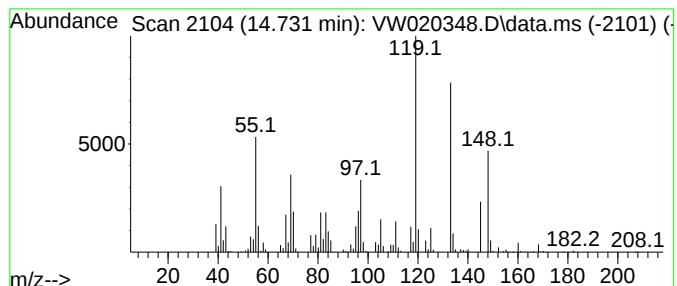
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Quant Title : SFAM01.0

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

Peak Number 66 unknown-08 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	16.05 ug/L	860967	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
3			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	38
4			2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	38
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

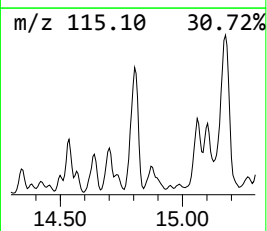
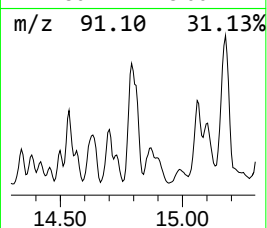
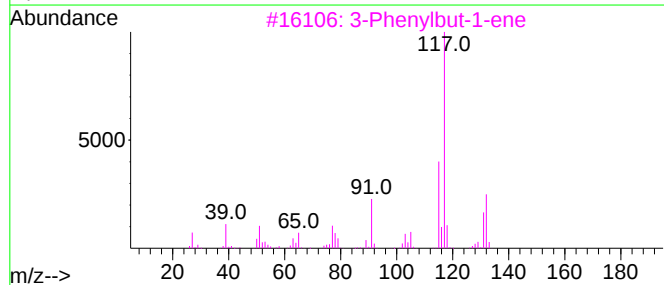
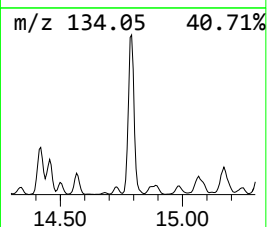
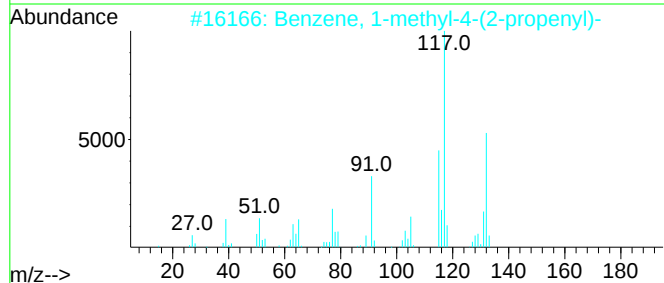
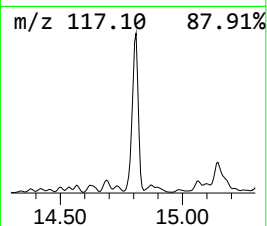
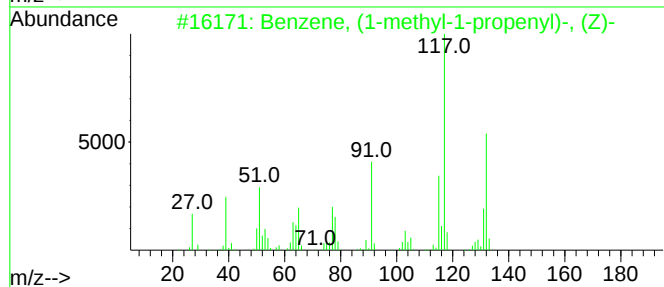
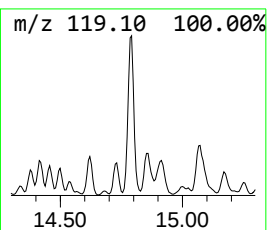
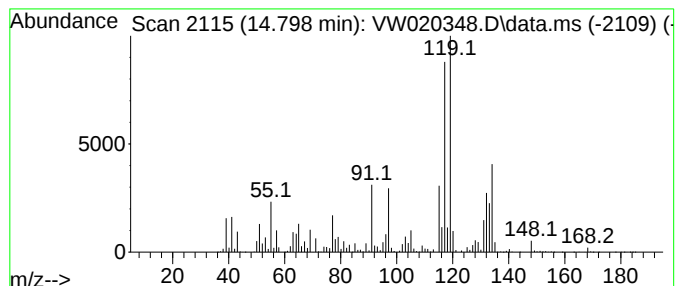
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Quant Title : SFAM01.0

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

Peak Number 67 Benzene, (1-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	67.62 ug/L	3627530	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	84
2			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

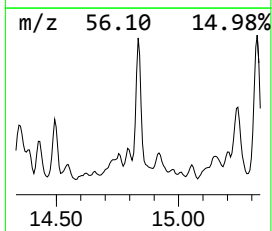
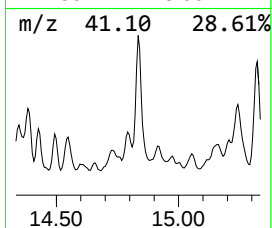
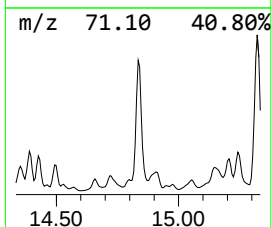
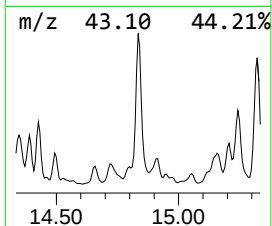
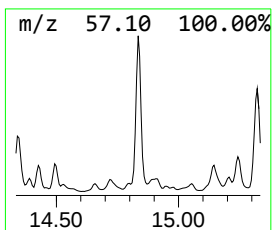
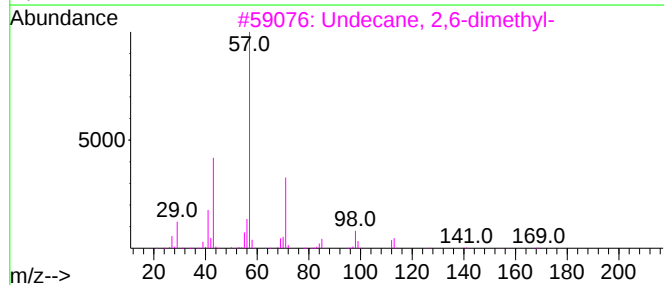
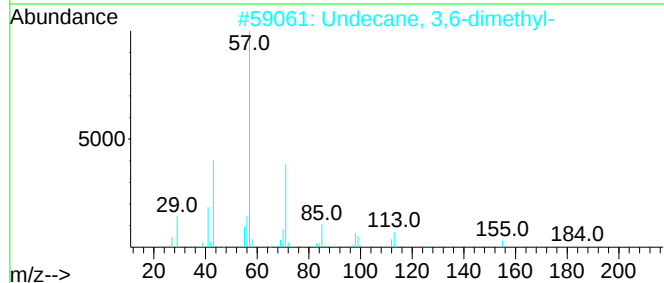
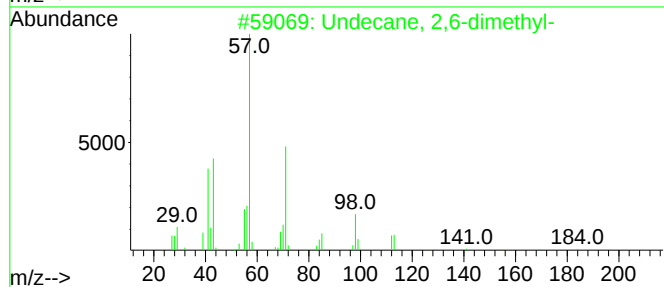
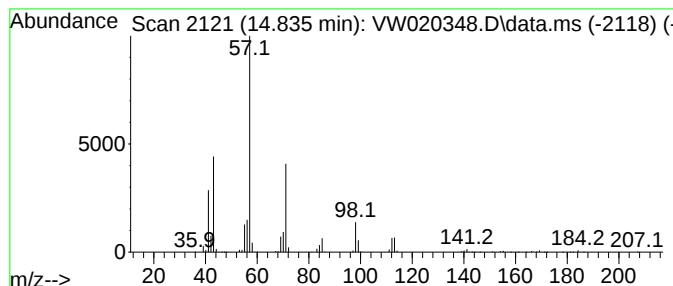
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Quant Title : SFAM01.0

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

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.835	74.04 ug/L	3972090	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

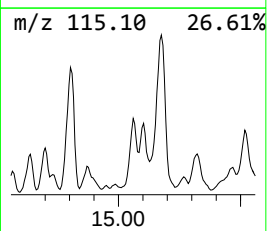
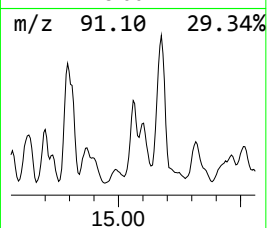
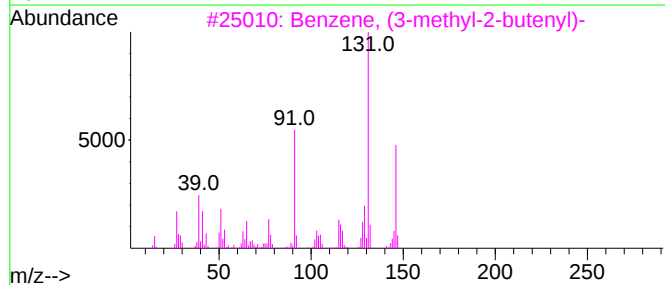
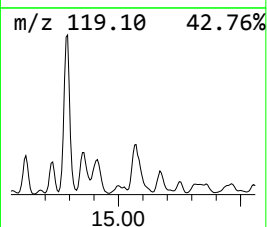
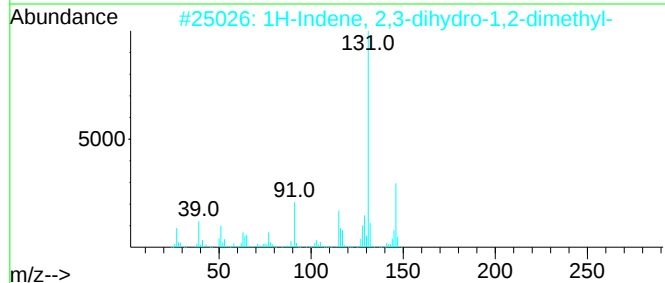
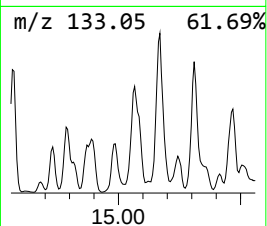
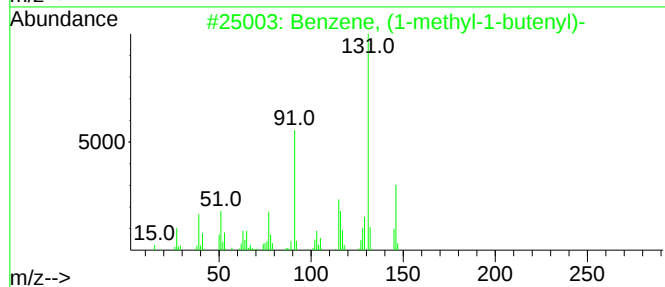
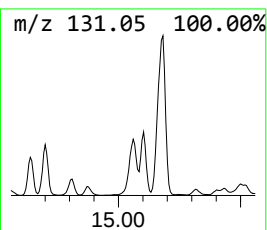
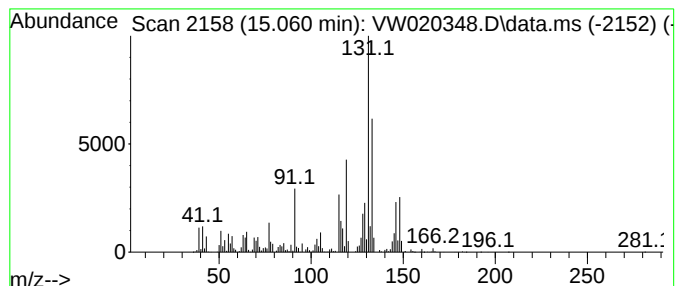
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Quant Title : SFAM01.0

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

Peak Number 69 Benzene, (1-methyl-1-butenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	40.70 ug/L	2183530	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78
4			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

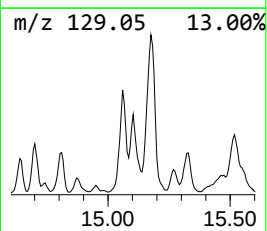
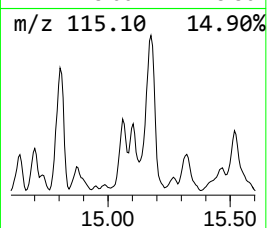
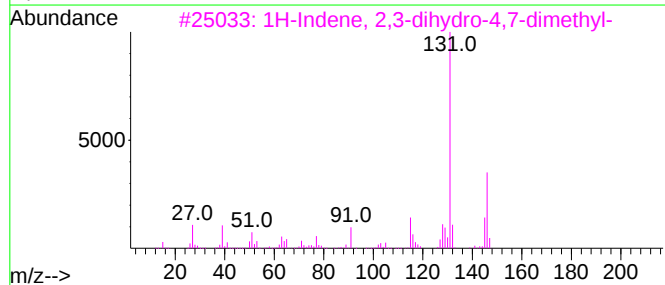
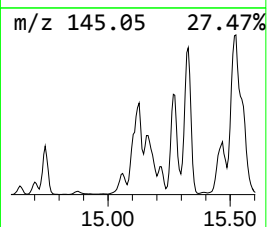
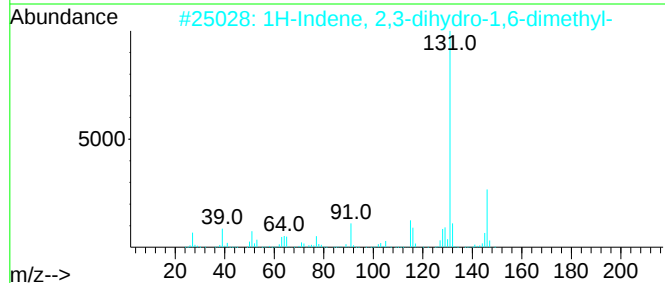
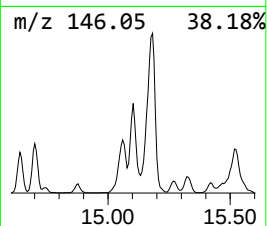
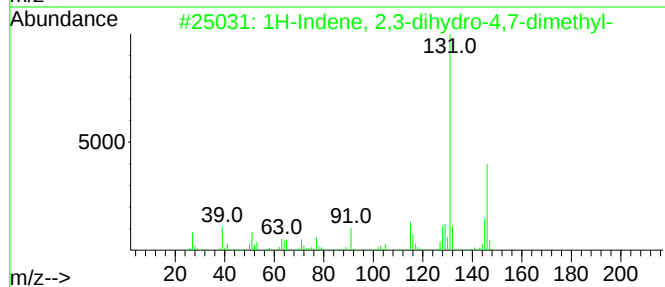
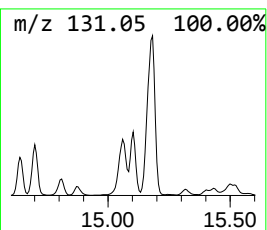
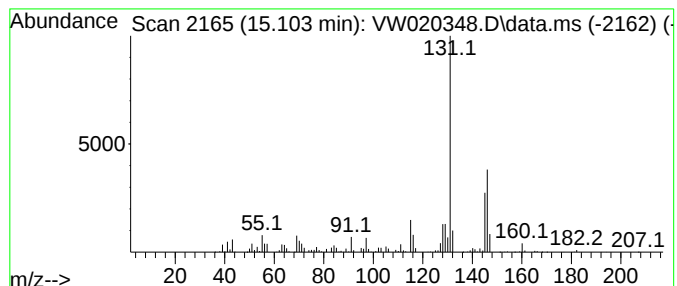
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Quant Title : SFAM01.0

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

Peak Number 70 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.103	31.74 ug/L	1702980	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

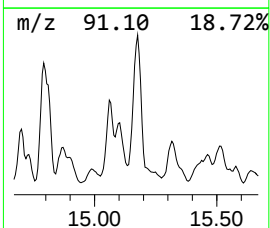
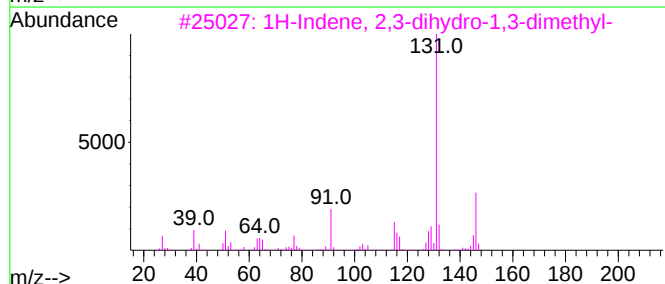
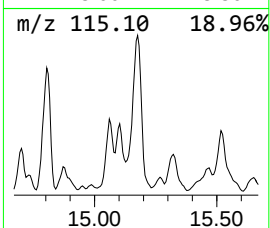
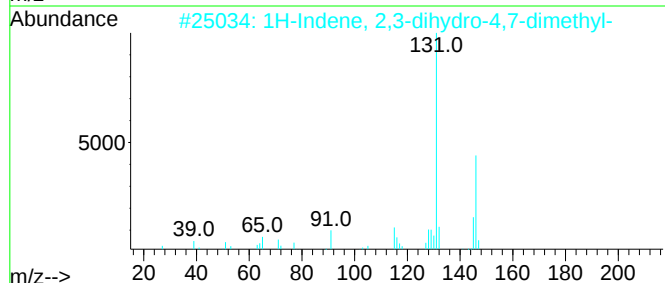
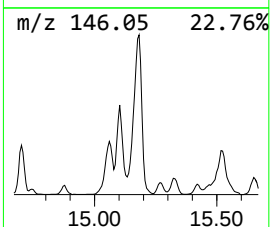
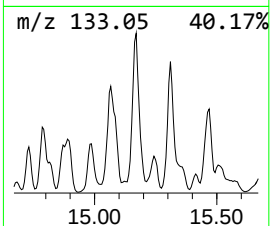
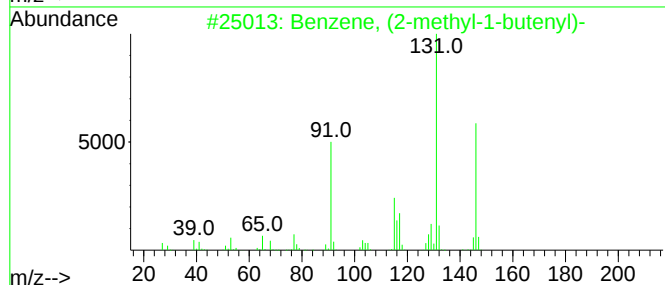
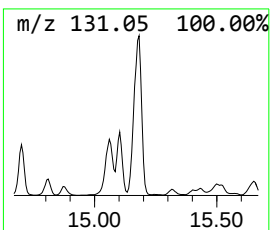
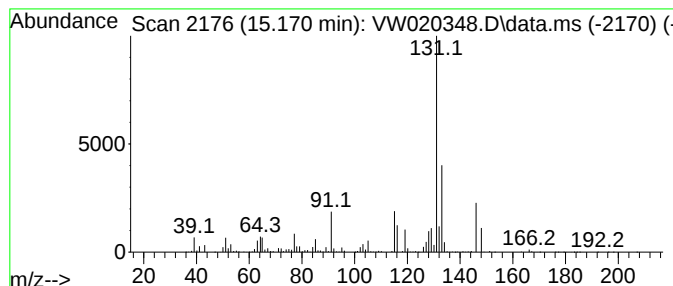
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Quant Title : SFAM01.0

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

Peak Number 71 Benzene, (2-methyl-1-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	113.68 ug/L	6098450	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	83
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

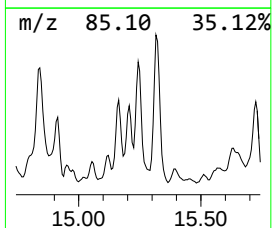
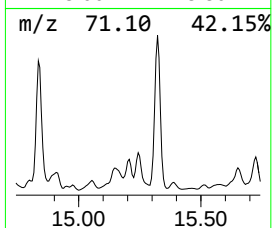
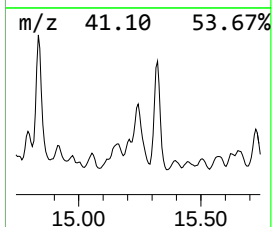
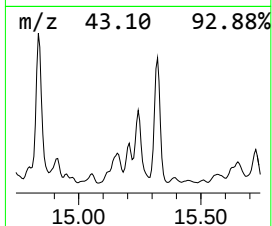
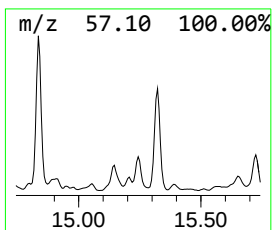
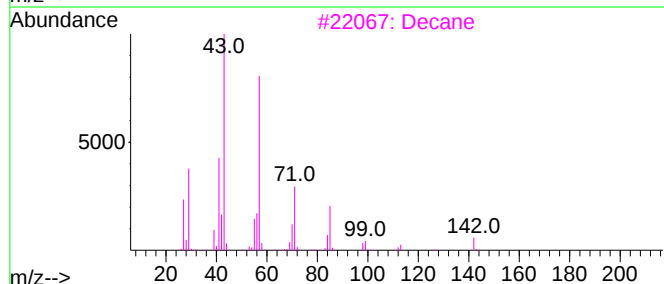
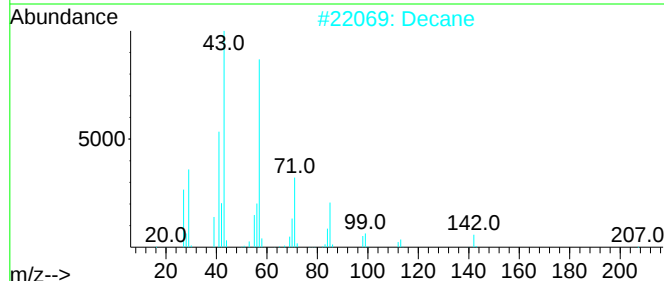
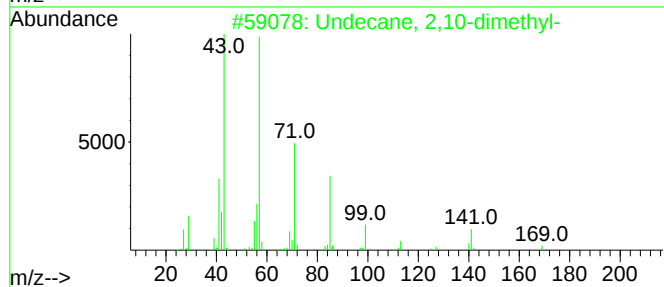
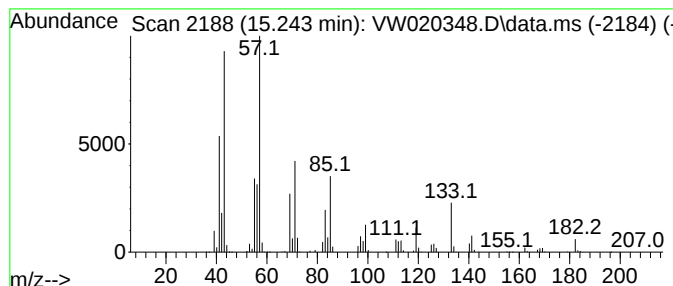
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Quant Title : SFAM01.0

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	51.76 ug/L	2776700	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	90
2			Decane	142	C10H22	000124-18-5	58
3			Decane	142	C10H22	000124-18-5	58
4			Dodecyl isobutyl ether	242	C16H34O	1000406-32-6	53
5			Undecane, 3-methyl-	170	C12H26	001002-43-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

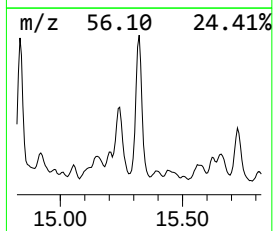
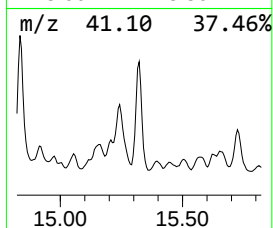
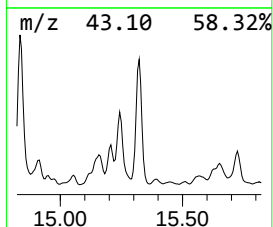
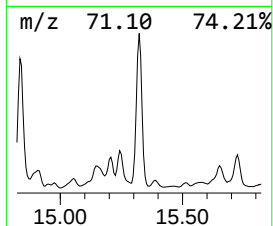
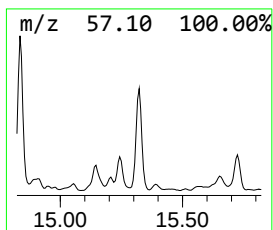
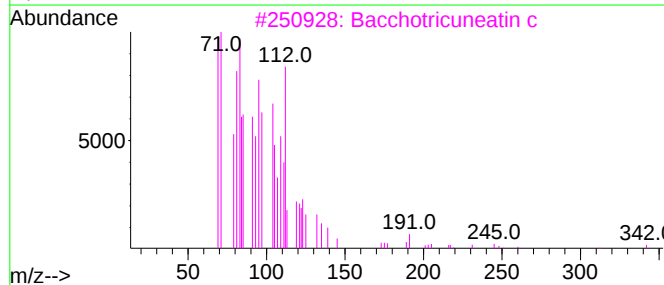
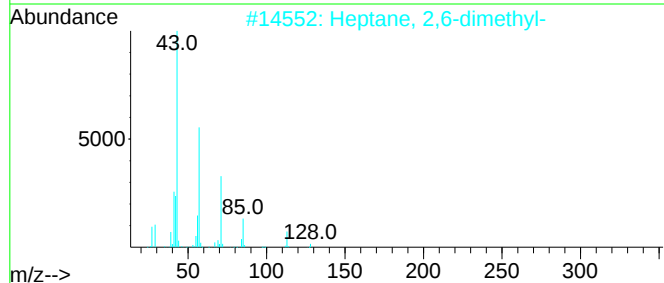
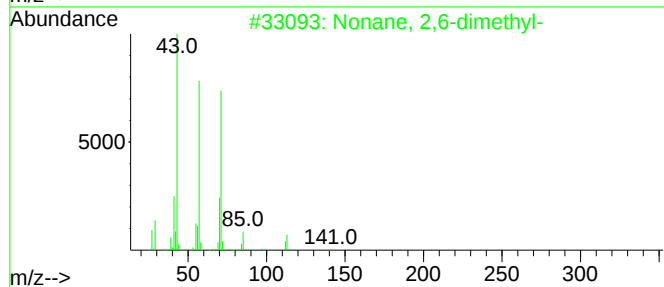
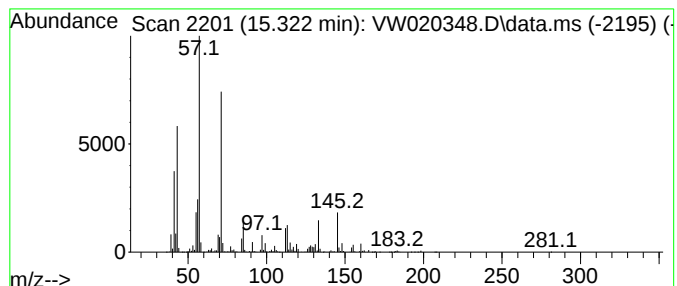
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Quant Title : SFAM01.0

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	83.71 ug/L	4490610	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	58
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
4			Octane, 2-methyl-	128	C9H20	003221-61-2	58
5			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

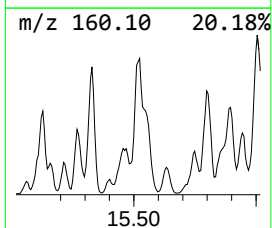
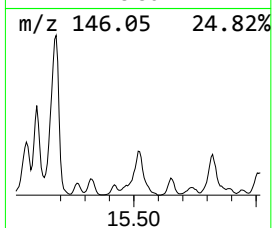
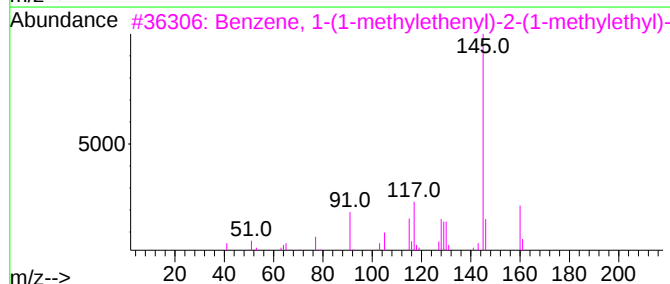
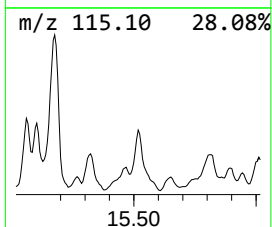
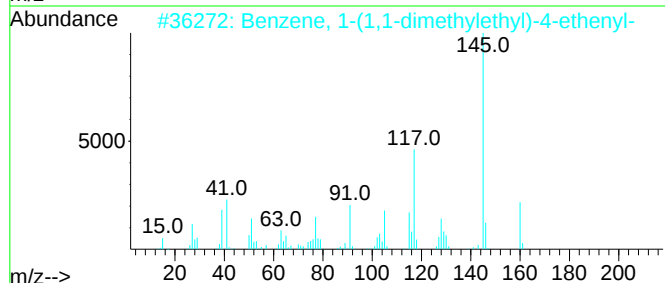
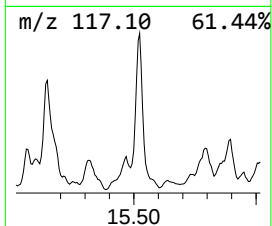
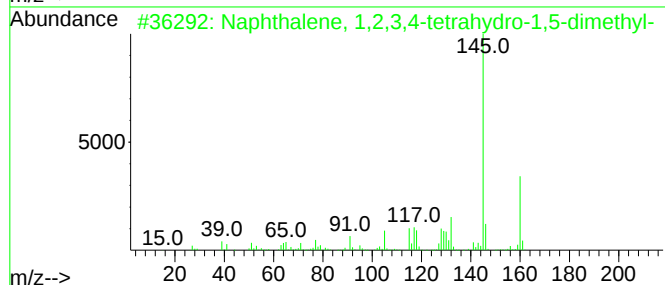
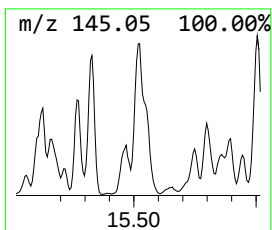
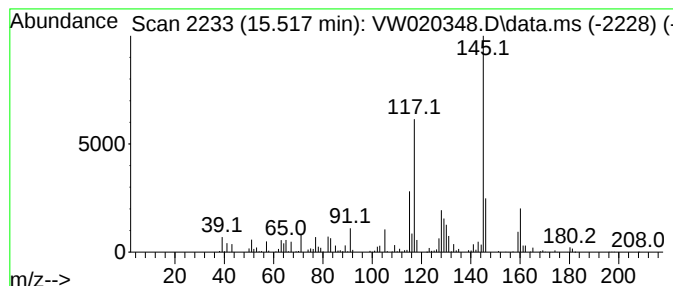
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Quant Title : SFAM01.0

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

Peak Number 74 Naphthalene, 1,2,3,4-tetra... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	16.49 ug/L	884402	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	81
2			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	80
3			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	76
4			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
5			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

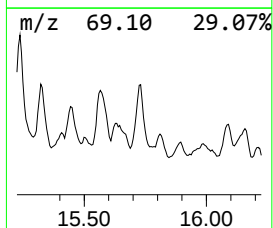
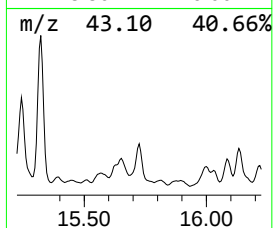
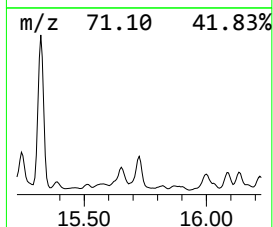
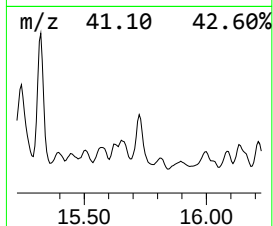
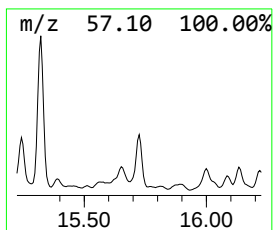
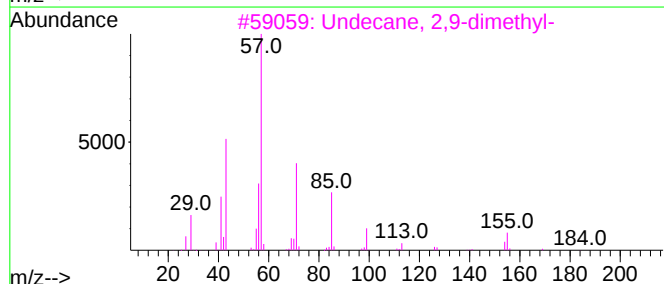
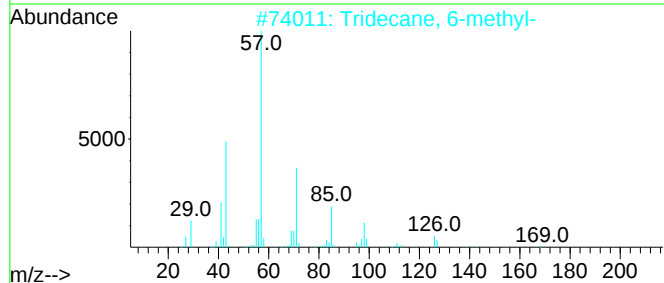
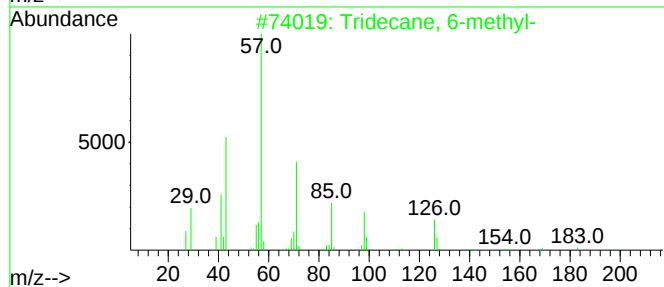
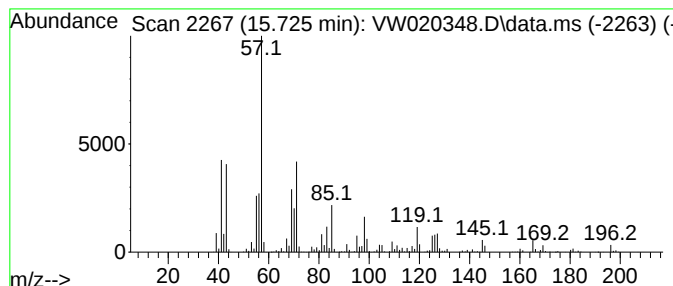
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.725	23.31 ug/L	1250750	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-		198	C14H30	013287-21-3	64
2	Tridecane, 6-methyl-		198	C14H30	013287-21-3	50
3	Undecane, 2,9-dimethyl-		184	C13H28	017301-26-7	50
4	Dodecane, 3-methyl-		184	C13H28	017312-57-1	50
5	Dodecane, 3-methyl-		184	C13H28	017312-57-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

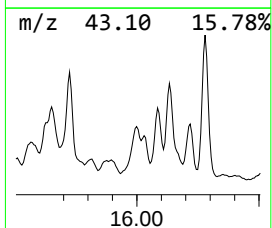
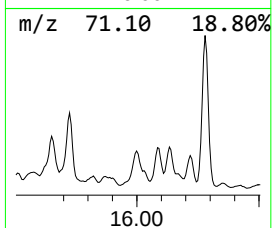
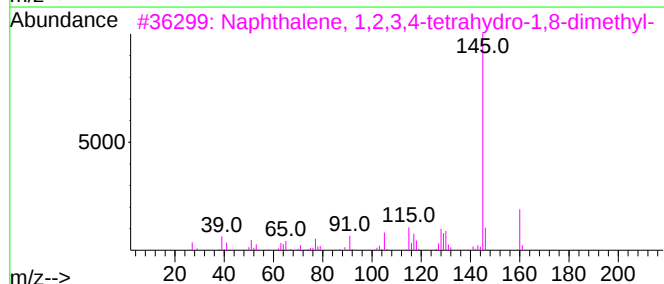
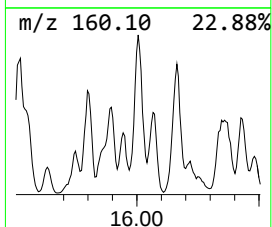
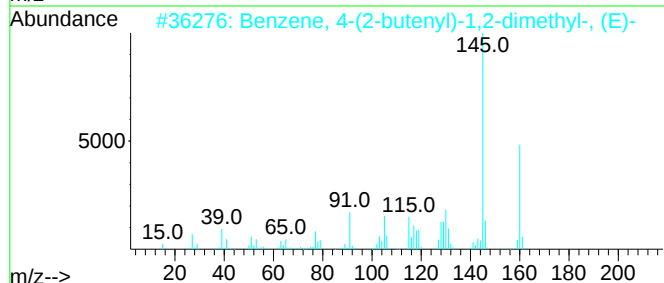
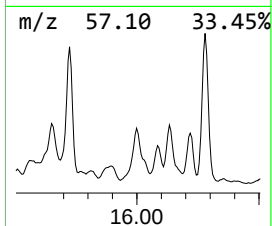
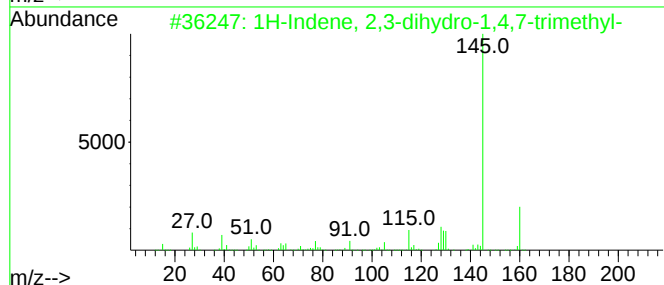
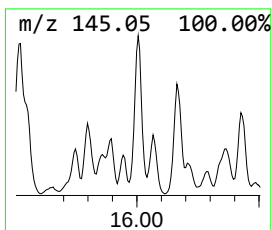
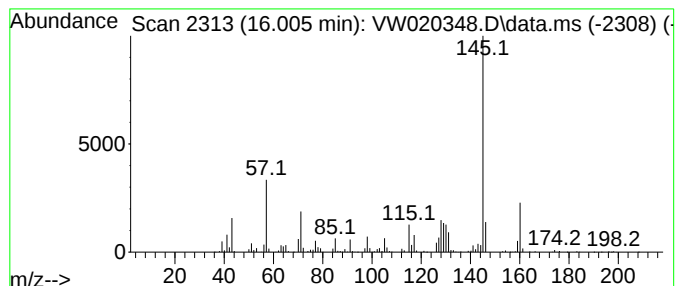
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Quant Title : SFAM01.0

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

Peak Number 76 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.005	19.27 ug/L	1033810	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	93
2			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	91
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
4			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
5			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

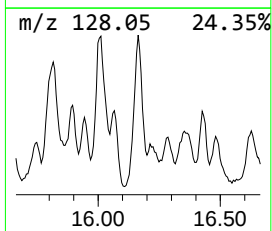
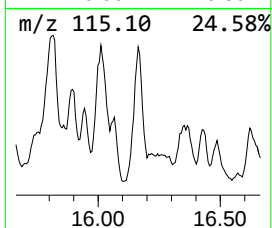
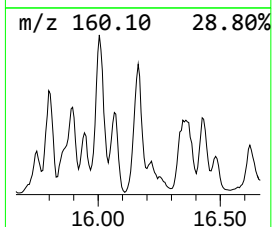
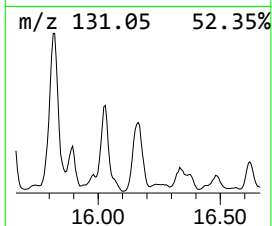
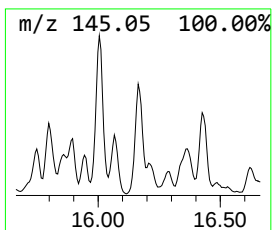
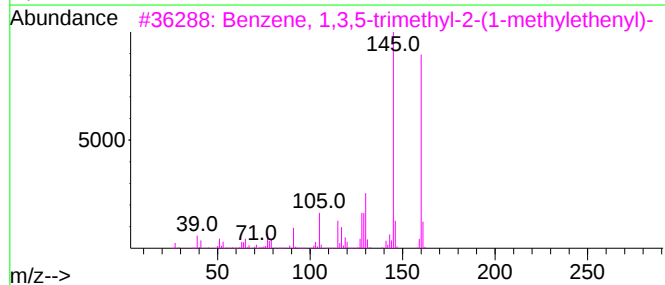
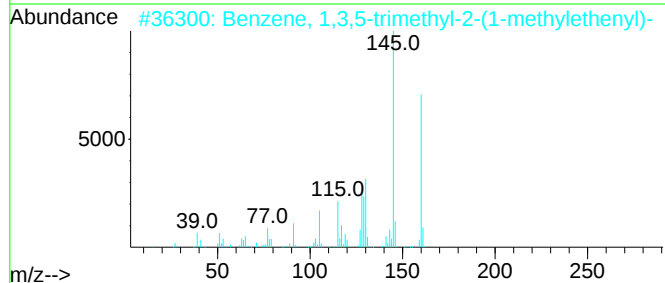
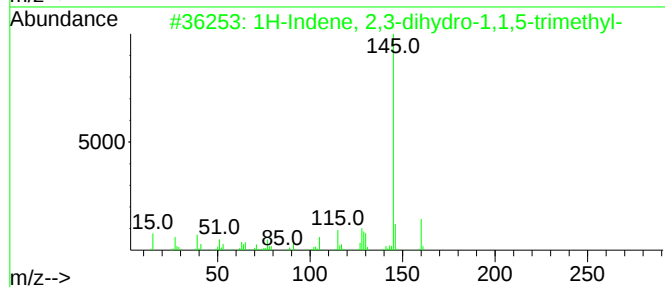
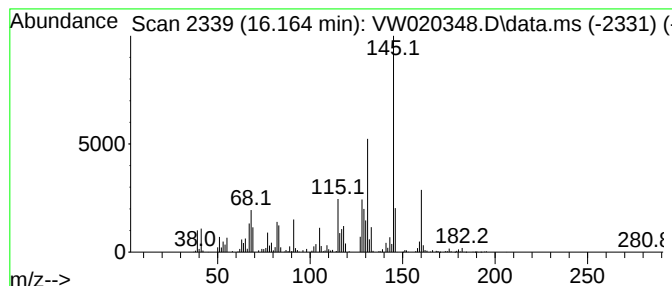
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 77 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	27.32 ug/L	1465610	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	70
2			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
4			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
5			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW912

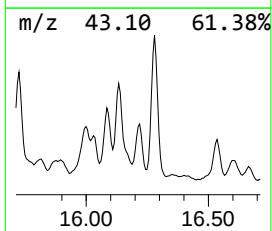
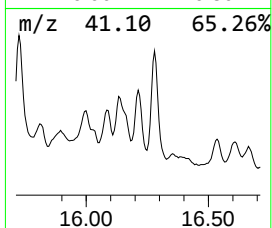
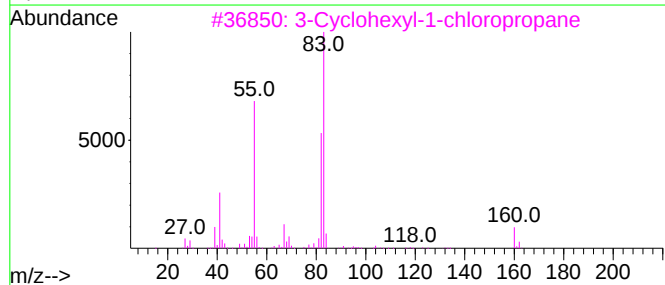
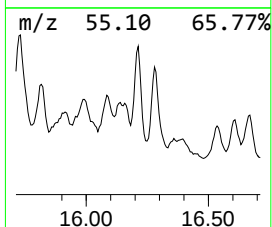
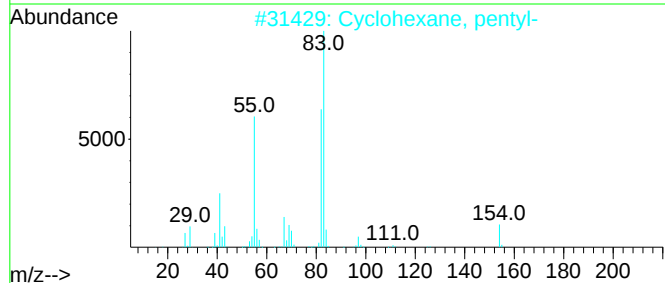
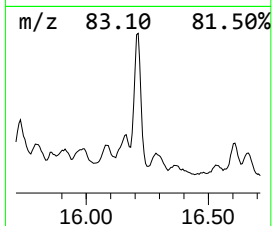
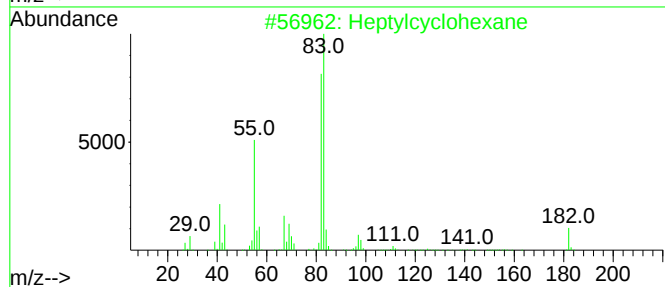
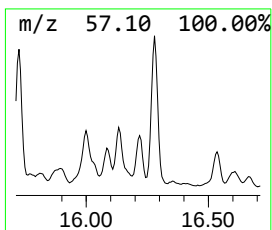
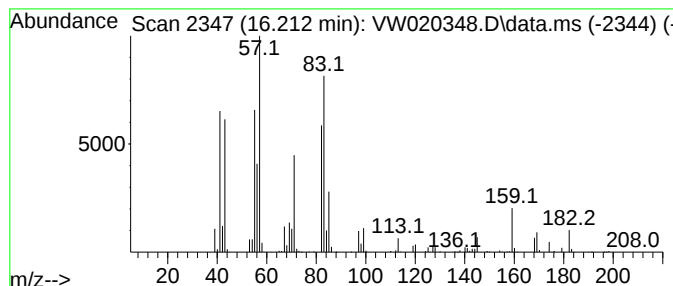
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Quant Title : SFAM01.0

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

Peak Number 78 (DEL) Alkane: Cyclic16.212 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.212	14.44 ug/L	774606	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	45
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
3			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	38
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
5			n-Pentadecylcyclohexane	294	C21H42	006006-95-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020348.D
Acq On : 07 Oct 2021 05:51
Operator : SY/VA
Sample : M4000-19
Misc : 7.74g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

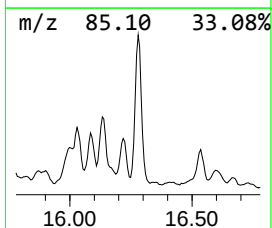
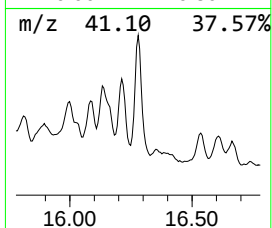
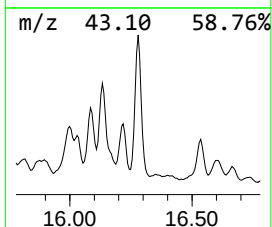
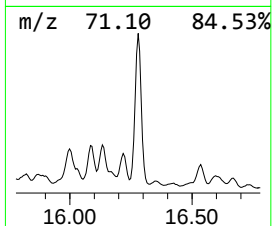
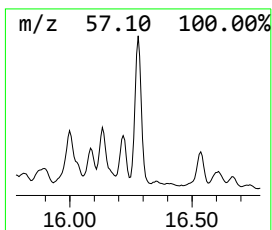
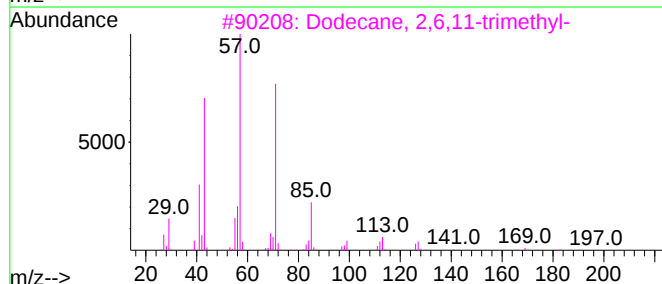
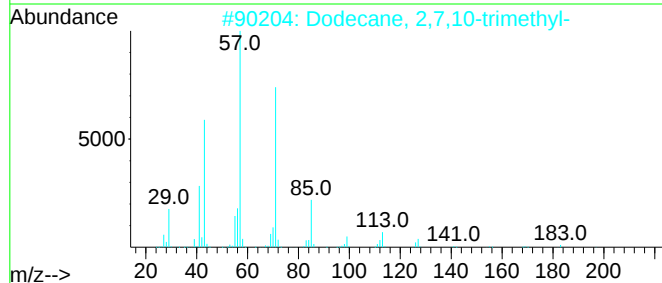
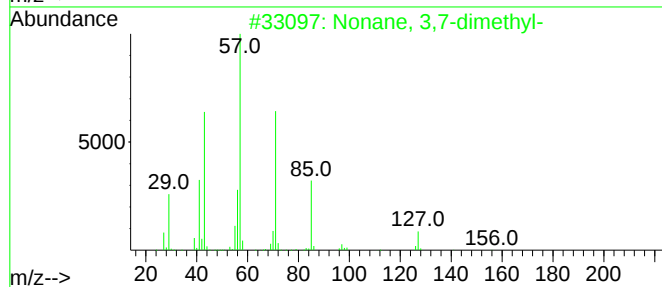
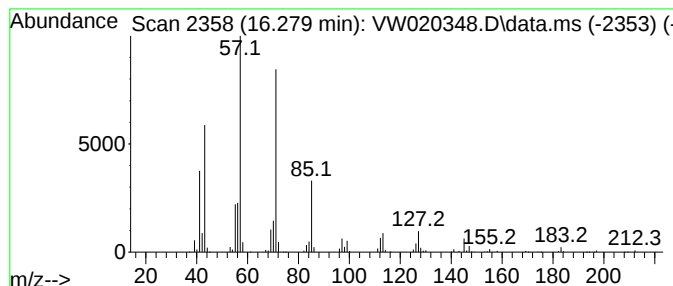
Instrument :
MSVOA_W
ClientSampleId :
EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.279	29.57 ug/L	1586190	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	90
2	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	90
3	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	90
4	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	80
5	Dodecane, 2,6,10-trimethyl-		212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020348.D
 Acq On : 07 Oct 2021 05:51
 Operator : SY/VA
 Sample : M4000-19
 Misc : 7.74g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW912

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.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...	3.385	3.2	ug/L	138282	1	8.848	1065620	25.0
(DEL) Alkane: S...	5.440	3.5	ug/L	147071	1	8.848	1065620	25.0
(DEL) Alkane: S...	5.940	4.6	ug/L	197453	1	8.848	1065620	25.0
(DEL) Alkane: C...	6.988	14.5	ug/L	616696	1	8.848	1065620	25.0
(DEL) Alkane: S...	8.037	4.8	ug/L	203080	1	8.848	1065620	25.0
(DEL) Alkane: S...	8.159	4.9	ug/L	208784	1	8.848	1065620	25.0
(DEL) Alkane: C...	8.439	10.9	ug/L	462628	1	8.848	1065620	25.0
(DEL) Alkane: C...	8.506	6.7	ug/L	283423	1	8.848	1065620	25.0
(DEL) Alkane: C...	8.573	25.1	ug/L	1070690	1	8.848	1065620	25.0
(DEL) Alkane: C...	9.518	4.3	ug/L	181410	1	8.848	1065620	25.0
(DEL) Alkane: C...	9.610	17.2	ug/L	733546	1	8.848	1065620	25.0
(DEL) Alkane: C...	9.750	40.4	ug/L	1720850	1	8.848	1065620	25.0
Cyclobutane, (1...	9.854	22.3	ug/L	948693	1	8.848	1065620	25.0
unknown-01	9.902	4.0	ug/L	169971	1	8.848	1065620	25.0
(DEL) Alkane: S...	9.945	11.1	ug/L	474543	1	8.848	1065620	25.0
(DEL) Alkane: C...	10.085	23.6	ug/L	1007030	1	8.848	1065620	25.0
Cyclohexene, 1-...	10.207	21.8	ug/L	927041	1	8.848	1065620	25.0
(DEL) Alkane: C...	10.506	40.1	ug/L	2111170	2	11.634	1316130	25.0
(DEL) Alkane: C...	10.665	50.2	ug/L	2640540	2	11.634	1316130	25.0
Cyclopentene, 1...	10.744	46.1	ug/L	2428640	2	11.634	1316130	25.0
(DEL) Alkane: C...	10.811	3.6	ug/L	188214	2	11.634	1316130	25.0
5,5-Dimethyl-1,...	11.018	8.2	ug/L	431711	2	11.634	1316130	25.0
Cyclohexene, 1,...	11.061	4.2	ug/L	221315	2	11.634	1316130	25.0
(DEL) Alkane: S...	11.146	47.5	ug/L	2497960	2	11.634	1316130	25.0
(DEL) Alkane: C...	11.232	114.0	ug/L	6002800	2	11.634	1316130	25.0
1,2,4,4-Tetrame...	11.286	15.6	ug/L	820937	2	11.634	1316130	25.0
(DEL) Alkane: S...	11.329	33.5	ug/L	1763860	2	11.634	1316130	25.0
(DEL) Alkane: S...	11.378	4.1	ug/L	213518	2	11.634	1316130	25.0
(DEL) Alkane: C...	11.439	59.2	ug/L	3118580	2	11.634	1316130	25.0
unknown-02	11.549	17.3	ug/L	911738	2	11.634	1316130	25.0
(DEL) Alkane: C...	11.768	50.6	ug/L	2665040	2	11.634	1316130	25.0
(DEL) Alkane: C...	11.817	18.6	ug/L	978241	2	11.634	1316130	25.0
(DEL) Alkane: C...	11.896	74.1	ug/L	3900520	2	11.634	1316130	25.0
(DEL) Alkane: S...	11.975	28.4	ug/L	1494200	2	11.634	1316130	25.0
Cyclohexane, (1...	12.036	18.2	ug/L	959168	2	11.634	1316130	25.0
(DEL) Alkane: S...	12.140	90.0	ug/L	4737910	2	11.634	1316130	25.0
(DEL) Alkane: C...	12.231	23.2	ug/L	1222480	2	11.634	1316130	25.0
(DEL) Alkane: S...	12.359	137.5	ug/L	7236580	2	11.634	1316130	25.0
(DEL) Alkane: C...	12.420	10.6	ug/L	555703	2	11.634	1316130	25.0
(DEL) Alkane: C...	12.451	20.8	ug/L	1096080	2	11.634	1316130	25.0
Cyclopentane, 2...	12.530	19.6	ug/L	1030400	2	11.634	1316130	25.0
unknown-03	12.609	10.0	ug/L	534160	3	13.554	1341170	25.0
(DEL) Alkane: C...	12.780	89.2	ug/L	4782820	3	13.554	1341170	25.0
unknown-04	12.865	24.0	ug/L	1287520	3	13.554	1341170	25.0
(DEL) Alkane: C...	13.042	6.2	ug/L	331064	3	13.554	1341170	25.0
unknown-05	13.085	18.5	ug/L	991801	3	13.554	1341170	25.0
(DEL) Alkane: S...	13.164	64.6	ug/L	3463510	3	13.554	1341170	25.0
unknown-06	13.292	38.6	ug/L	2071780	3	13.554	1341170	25.0
(DEL) Alkane: S...	13.341	10.0	ug/L	535182	3	13.554	1341170	25.0
Benzene, 1-meth...	13.432	16.6	ug/L	888094	3	13.554	1341170	25.0
(DEL) Alkane: S...	13.481	13.7	ug/L	732238	3	13.554	1341170	25.0
(DEL) Alkane: S...	13.627	24.6	ug/L	1318830	3	13.554	1341170	25.0

(DEL) Alkane: C...	13.695	10.7	ug/L	571284	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.018	12.3	ug/L	658821	3	13.554	1341170	25.0
p-Cymene	14.091	15.5	ug/L	829827	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.133	18.1	ug/L	969522	3	13.554	1341170	25.0
1-Phenyl-1-butene	14.207	48.3	ug/L	2593450	3	13.554	1341170	25.0
unknown-07	14.255	17.5	ug/L	939968	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.347	42.2	ug/L	2262150	3	13.554	1341170	25.0
Decalin, anti-1...	14.383	39.7	ug/L	2128940	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.426	17.7	ug/L	951486	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.493	19.5	ug/L	1045960	3	13.554	1341170	25.0
Naphthalene, de...	14.542	42.1	ug/L	2260270	3	13.554	1341170	25.0
1H-Indene, 2,3-...	14.700	13.1	ug/L	701217	3	13.554	1341170	25.0
unknown-08	14.731	16.1	ug/L	860967	3	13.554	1341170	25.0
Benzene, (1-met...	14.798	67.6	ug/L	3627530	3	13.554	1341170	25.0
(DEL) Alkane: S...	14.835	74.0	ug/L	3972090	3	13.554	1341170	25.0
Benzene, (1-met...	15.060	40.7	ug/L	2183530	3	13.554	1341170	25.0
1H-Indene, 2,3-...	15.103	31.7	ug/L	1702980	3	13.554	1341170	25.0
Benzene, (2-met...	15.170	113.7	ug/L	6098450	3	13.554	1341170	25.0
(DEL) Alkane: S...	15.243	51.8	ug/L	2776700	3	13.554	1341170	25.0
(DEL) Alkane: S...	15.322	83.7	ug/L	4490610	3	13.554	1341170	25.0
Naphthalene, 1,...	15.517	16.5	ug/L	884402	3	13.554	1341170	25.0
(DEL) Alkane: S...	15.725	23.3	ug/L	1250750	3	13.554	1341170	25.0
1H-Indene, 2,3-...	16.005	19.3	ug/L	1033810	3	13.554	1341170	25.0
1H-Indene, 2,3-...	16.163	27.3	ug/L	1465610	3	13.554	1341170	25.0
(DEL) Alkane: C...	16.212	14.4	ug/L	774606	3	13.554	1341170	25.0
(DEL) Alkane: S...	16.279	29.6	ug/L	1586190	3	13.554	1341170	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW912