

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020361.D
 Acq On : 07 Oct 2021 12:52
 Operator : SY/VA
 Sample : M4001-07
 Misc : 6.99g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW920

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: VW020361.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	67	73	81	rVB	88862	141826	5.53%	0.454%
2	2.812	145	149	153	rBV3	634	915	0.04%	0.003%
3	2.879	153	160	170	rVV	43797	92755	3.62%	0.297%
4	4.019	335	347	362	rBV	115002	341364	13.32%	1.093%
5	4.141	362	367	372	rVB4	599	1429	0.06%	0.005%
6	4.611	437	444	445	rBV2	1229	1688	0.07%	0.005%
7	4.684	451	456	466	rVB3	1287	3363	0.13%	0.011%
8	4.916	485	494	506	rVB4	3361	10955	0.43%	0.035%
9	6.226	699	709	717	rVB2	1701	4692	0.18%	0.015%
10	7.086	840	850	861	rBV	22744	67683	2.64%	0.217%
11	7.653	931	943	959	rVB	191791	472569	18.44%	1.513%
12	7.872	970	979	988	rBV2	12297	30877	1.20%	0.099%
13	7.952	988	992	998	rVB3	490	1112	0.04%	0.004%
14	8.031	998	1005	1011	rBV4	1355	3071	0.12%	0.010%
15	8.159	1019	1026	1031	rBV3	2262	4952	0.19%	0.016%
16	8.281	1034	1046	1059	rBV2	385012	1130364	44.11%	3.620%
17	8.573	1092	1094	1109	rVB6	3672	9575	0.37%	0.031%
18	8.708	1109	1116	1122	rBV4	1305	2881	0.11%	0.009%
19	8.842	1128	1138	1151	rBV	373776	741868	28.95%	2.376%
20	9.092	1172	1179	1187	rBV	32112	63286	2.47%	0.203%
21	9.275	1200	1209	1223	rBV	270170	570310	22.25%	1.826%
22	9.384	1223	1227	1233	rVB4	5629	10342	0.40%	0.033%
23	9.470	1239	1241	1247	rVB4	584	912	0.04%	0.003%
24	9.610	1252	1264	1270	rBV2	15833	35771	1.40%	0.115%
25	9.671	1270	1274	1280	rVB3	851	1511	0.06%	0.005%
26	9.750	1280	1287	1297	rVB2	33427	67187	2.62%	0.215%
27	9.902	1304	1312	1315	rBV2	5812	11665	0.46%	0.037%
28	9.945	1315	1319	1324	rVB2	8617	13055	0.51%	0.042%
29	9.994	1324	1327	1328	rBV	2970	3403	0.13%	0.011%
30	10.037	1328	1334	1339	rVV	135155	237922	9.28%	0.762%
31	10.079	1339	1341	1347	rVV	14171	22445	0.88%	0.072%
32	10.128	1347	1349	1356	rVB2	7857	11485	0.45%	0.037%
33	10.213	1356	1363	1373	rVB3	13252	29458	1.15%	0.094%
34	10.323	1373	1381	1395	rBV	448451	814648	31.79%	2.609%
35	10.500	1403	1410	1417	rVB4	15073	37981	1.48%	0.122%
36	10.579	1417	1423	1427	rBV	86535	152202	5.94%	0.487%

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

37	10.622	1427	1430	1434	rVV	38234	59829	2.33%	0.192%
38	10.665	1434	1437	1447	rVB2	42900	73644	2.87%	0.236%
39	10.762	1447	1453	1457	rBV3	11279	23458	0.92%	0.075%
40	10.811	1457	1461	1464	rVB2	7823	10283	0.40%	0.033%
41	10.854	1464	1468	1473	rBV3	13354	23741	0.93%	0.076%
42	10.927	1473	1480	1490	rVB2	89085	178835	6.98%	0.573%
43	11.030	1490	1497	1500	rBV4	11160	23750	0.93%	0.076%
44	11.110	1506	1510	1513	rBV	23904	39584	1.54%	0.127%
45	11.146	1513	1516	1521	rVV	22019	37860	1.48%	0.121%
46	11.232	1523	1530	1535	rVV	169535	311332	12.15%	0.997%
47	11.286	1535	1539	1542	rVV	29639	50916	1.99%	0.163%
48	11.329	1542	1546	1551	rVV3	68848	127210	4.96%	0.407%
49	11.378	1551	1554	1558	rVV2	23947	41539	1.62%	0.133%
50	11.439	1558	1564	1571	rVB	99504	187058	7.30%	0.599%
51	11.512	1571	1576	1580	rBV2	13324	24953	0.97%	0.080%
52	11.634	1587	1596	1605	rBV	481268	908459	35.45%	2.909%
53	11.768	1612	1618	1622	rBV	101773	175697	6.86%	0.563%
54	11.823	1622	1627	1631	rVV2	64431	119687	4.67%	0.383%
55	11.896	1631	1639	1647	rVB3	102396	332851	12.99%	1.066%
56	11.975	1647	1652	1659	rBV2	118639	258123	10.07%	0.827%
57	12.036	1659	1662	1670	rVB4	43979	99587	3.89%	0.319%
58	12.140	1670	1679	1686	rBV2	247031	611599	23.86%	1.958%
59	12.231	1686	1694	1701	rVB6	111147	285887	11.16%	0.915%
60	12.359	1701	1715	1722	rBV	718823	1659651	64.76%	5.315%
61	12.451	1725	1730	1737	rBV4	133378	275256	10.74%	0.881%
62	12.561	1746	1748	1752	rVB	55087	70892	2.77%	0.227%
63	12.615	1752	1757	1762	rBV3	75789	126464	4.93%	0.405%
64	12.695	1762	1770	1775	rBV2	304568	709677	27.69%	2.273%
65	12.780	1778	1784	1790	rVB	1491468	2562845	100.00%	8.207%
66	12.859	1790	1797	1803	rBV5	276537	712753	27.81%	2.282%
67	12.951	1803	1812	1823	rVV6	461173	1645823	64.22%	5.270%
68	13.042	1824	1827	1829	rVV2	77417	118041	4.61%	0.378%
69	13.079	1829	1833	1837	rVV3	336567	567143	22.13%	1.816%
70	13.121	1837	1840	1843	rVV	103435	141803	5.53%	0.454%
71	13.188	1843	1851	1858	rVB6	273527	731178	28.53%	2.341%
72	13.262	1859	1863	1865	rBV2	233443	351123	13.70%	1.124%
73	13.292	1866	1868	1879	rVV6	253211	756295	29.51%	2.422%
74	13.377	1879	1882	1885	rVV3	180609	303542	11.84%	0.972%
75	13.432	1886	1891	1896	rVV5	276315	696214	27.17%	2.229%
76	13.481	1896	1899	1903	rVV3	136608	197235	7.70%	0.632%

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77	13.554	1907	1911	1919	rVB	516626	957630	37.37%	3.067%
78	13.627	1919	1923	1927	rBV4	157008	296051	11.55%	0.948%
79	13.694	1928	1934	1939	rBV2	699397	1204125	46.98%	3.856%
80	13.823	1949	1955	1956	rBV3	191203	329713	12.87%	1.056%
81	13.871	1956	1963	1969	rVV4	900597	2253628	87.93%	7.217%
82	13.926	1969	1972	1976	rVB2	133544	191041	7.45%	0.612%
83	14.012	1977	1986	1991	rBV	638302	1391271	54.29%	4.455%
84	14.066	1992	1995	1996	rBV	63769	79246	3.09%	0.254%
85	14.225	2019	2021	2024	rBV3	54728	75509	2.95%	0.242%
86	14.316	2033	2036	2041	rVB4	123159	196896	7.68%	0.631%
87	14.377	2042	2046	2051	rVV	421759	680577	26.56%	2.179%
88	14.432	2052	2055	2061	rVB7	108476	174428	6.81%	0.559%
89	14.548	2069	2074	2079	rBV	671577	1037429	40.48%	3.322%
90	14.603	2079	2083	2087	rVV4	98855	153235	5.98%	0.491%
91	14.658	2089	2092	2095	rVB	71281	88827	3.47%	0.284%
92	14.737	2102	2105	2110	rVB3	101617	137327	5.36%	0.440%
93	14.969	2139	2143	2146	rBV2	120347	194463	7.59%	0.623%
94	15.176	2172	2177	2180	rBV6	53178	114228	4.46%	0.366%
95	15.237	2184	2187	2197	rVB4	153956	330210	12.88%	1.057%
96	15.322	2198	2201	2208	rVB4	70452	143153	5.59%	0.458%
97	15.402	2209	2214	2217	rBV6	49123	99103	3.87%	0.317%
98	15.566	2237	2241	2248	rVB6	52776	123677	4.83%	0.396%
99	15.731	2263	2268	2276	rBV4	80832	176668	6.89%	0.566%
100	16.743	2430	2434	2441	rVB4	9561	20739	0.81%	0.066%

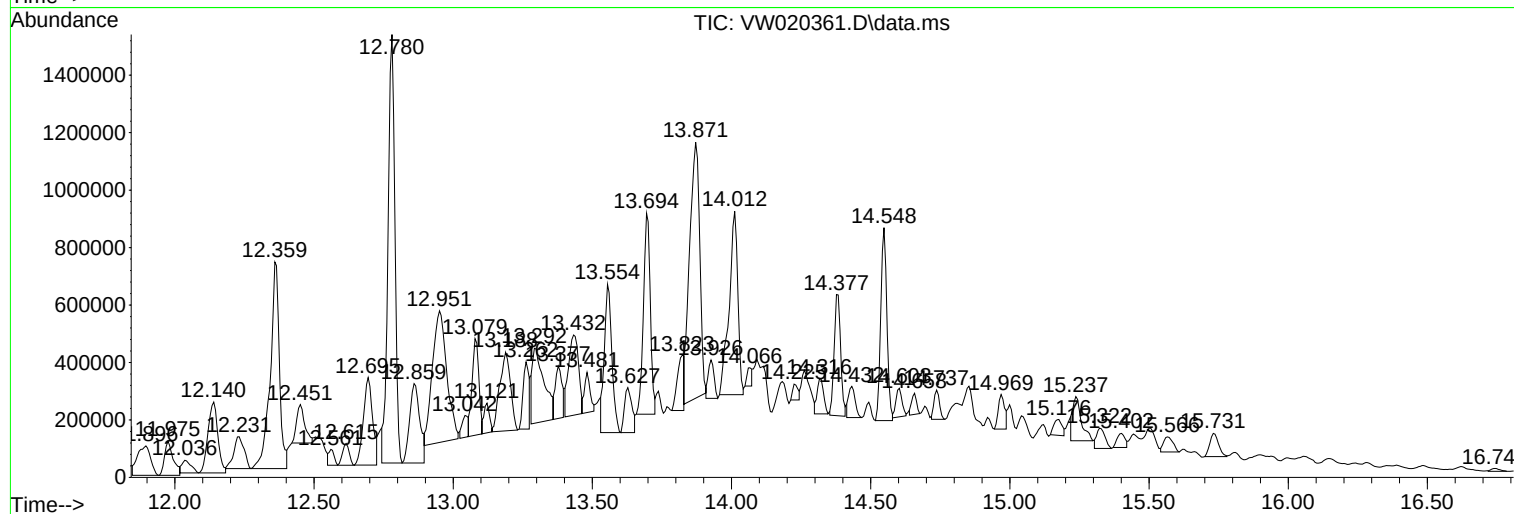
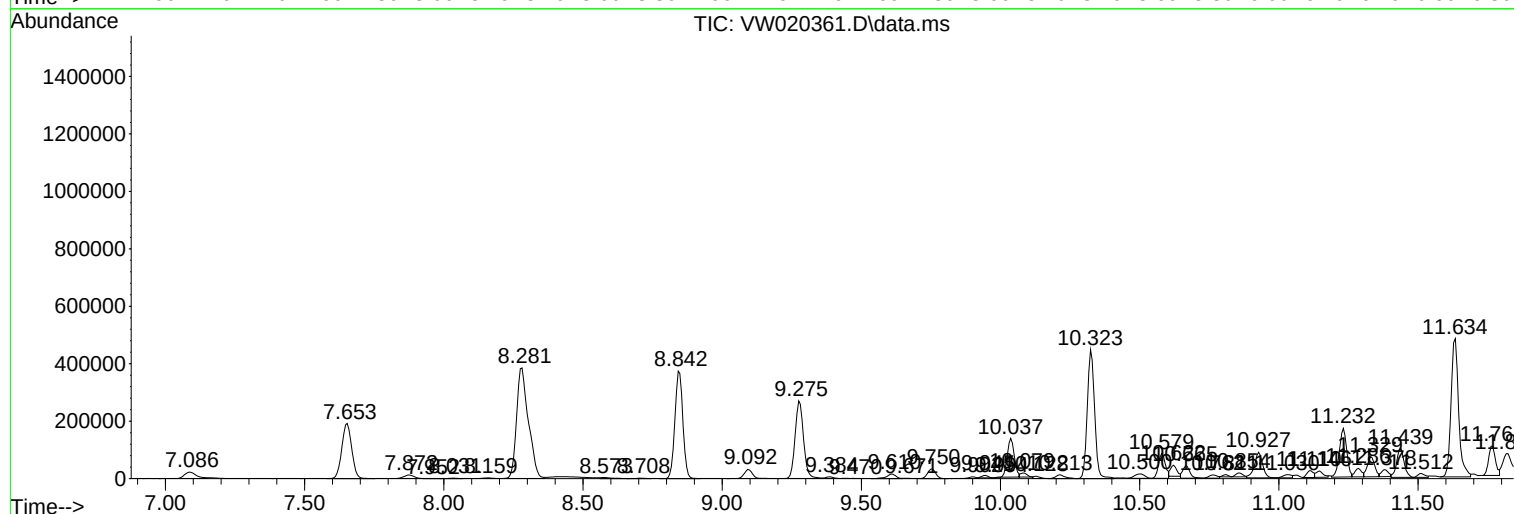
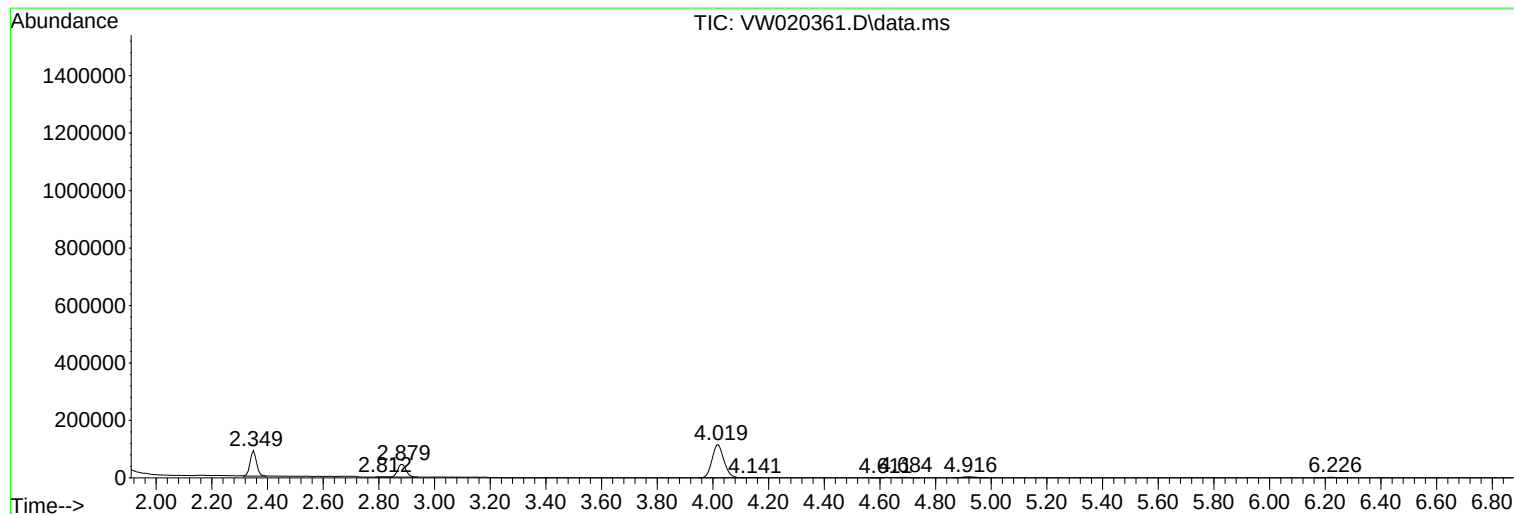
Sum of corrected areas: 31228513

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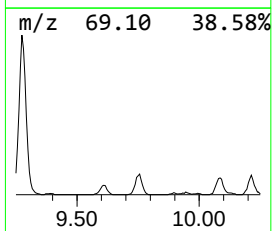
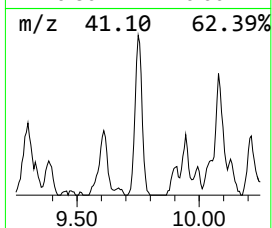
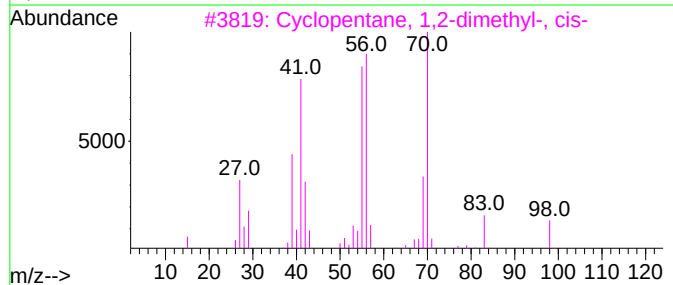
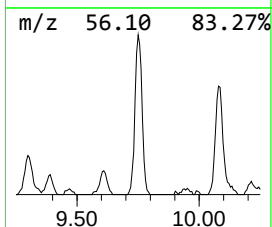
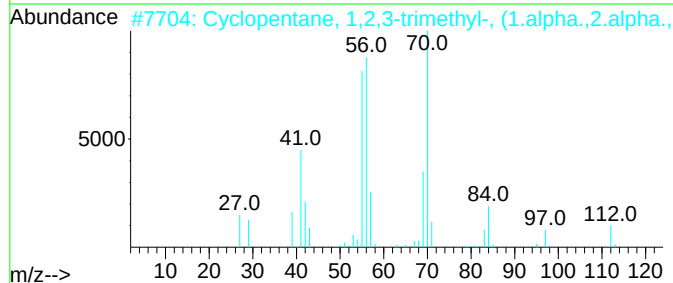
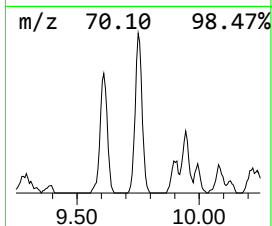
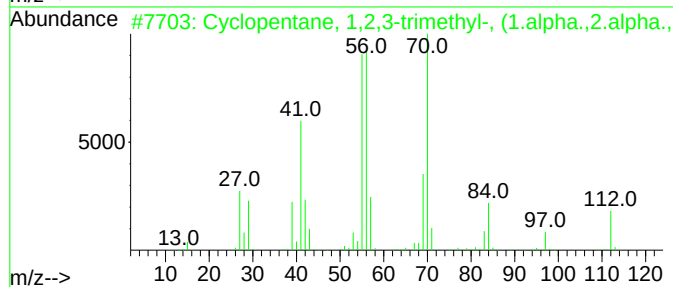
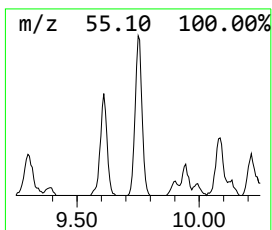
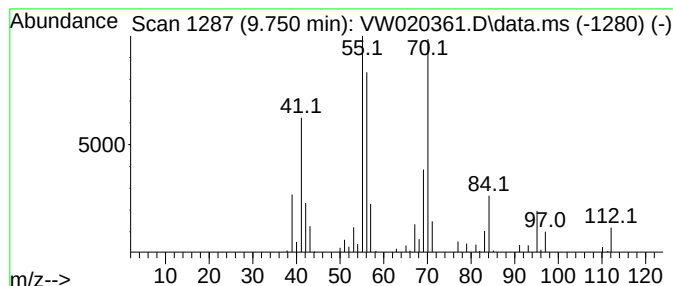
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Cyclic9.750 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	2.26 ug/L	67187	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4			1-Octene, 3-methyl-	126	C9H18	013151-08-1	64
5			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52



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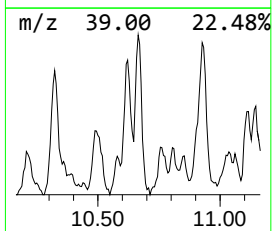
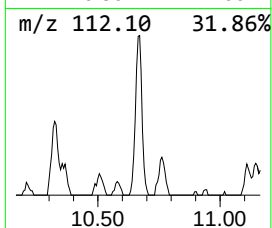
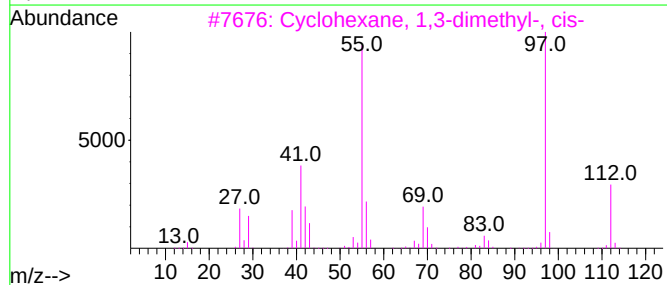
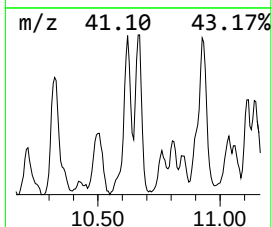
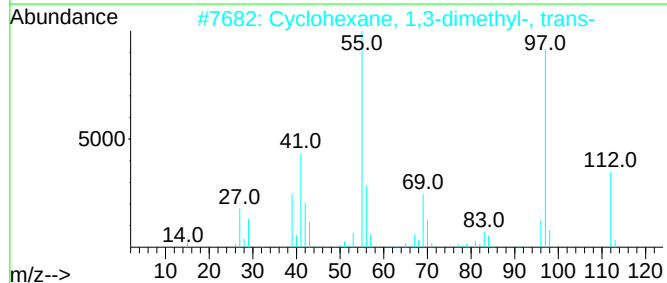
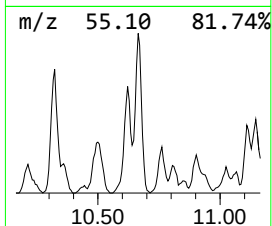
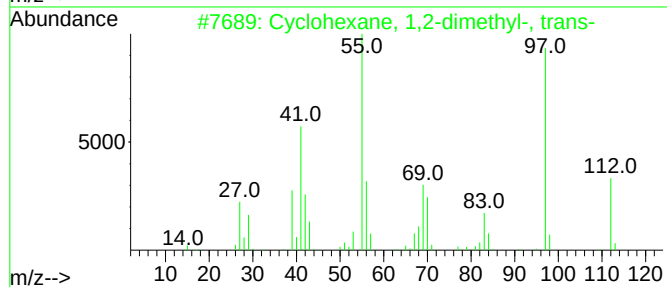
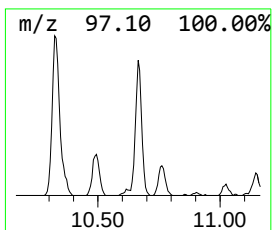
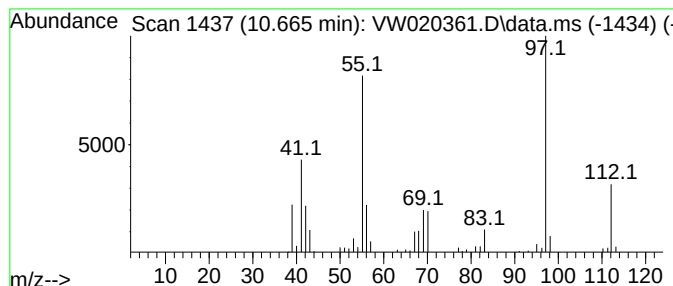
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic10.665 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	2.03 ug/L	73644	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87



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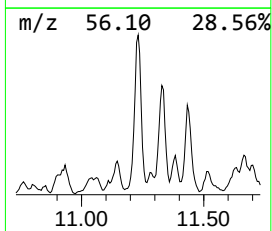
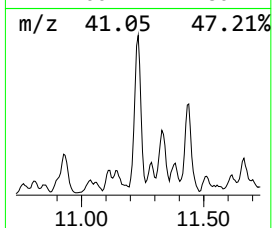
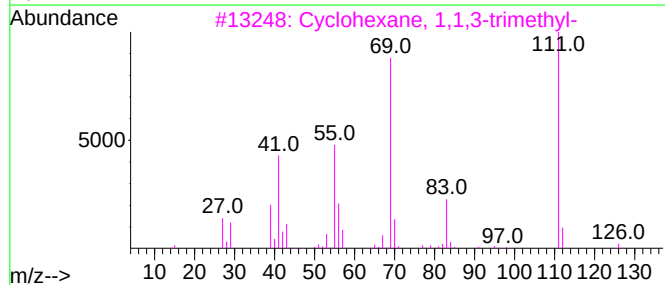
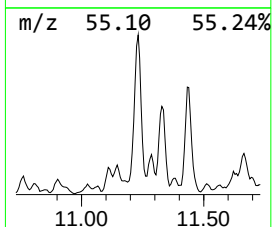
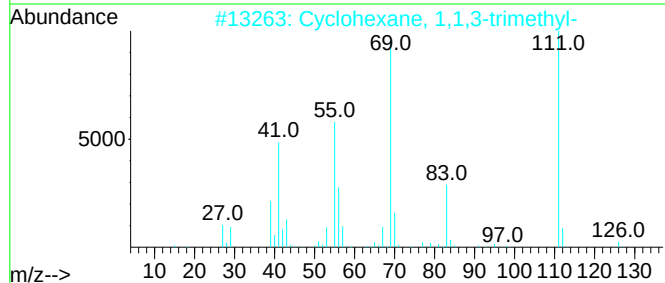
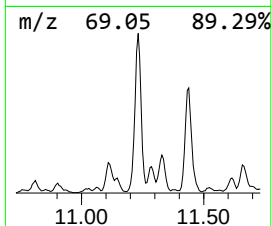
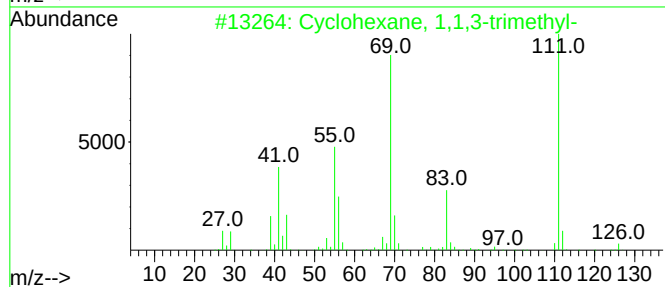
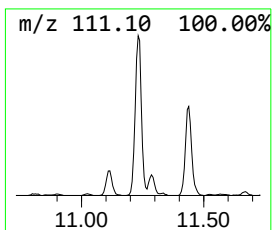
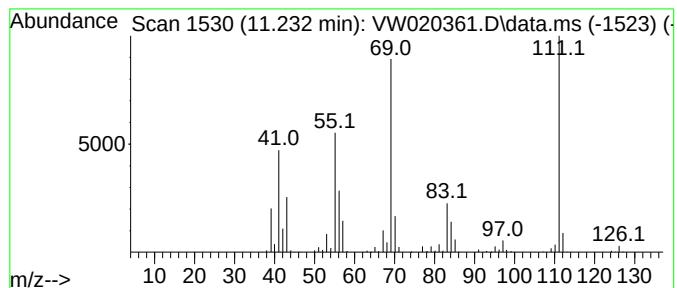
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.232 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	8.57 ug/L	311332	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

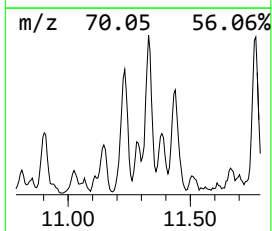
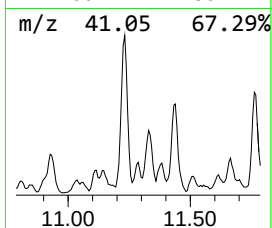
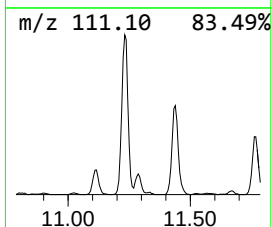
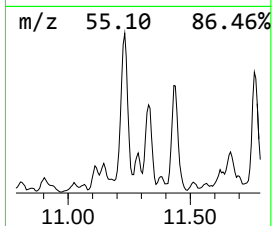
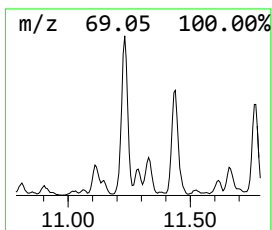
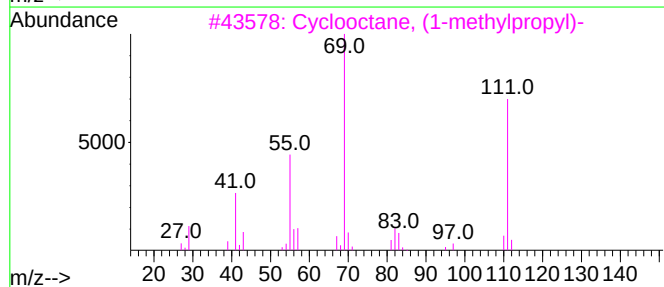
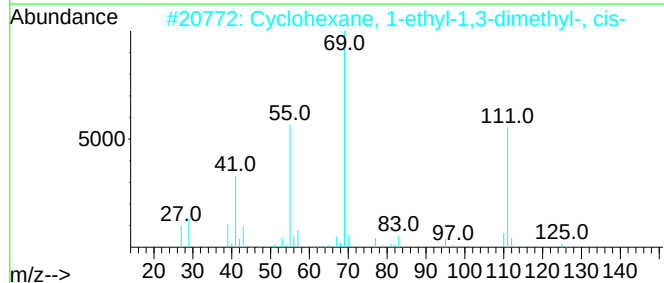
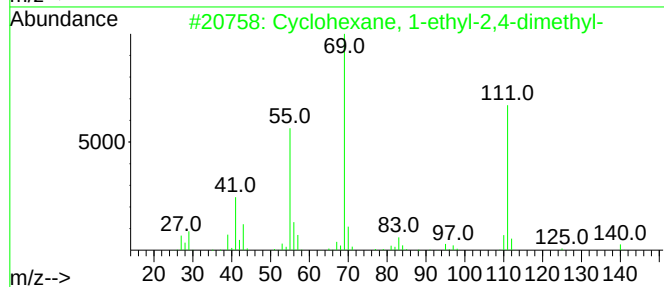
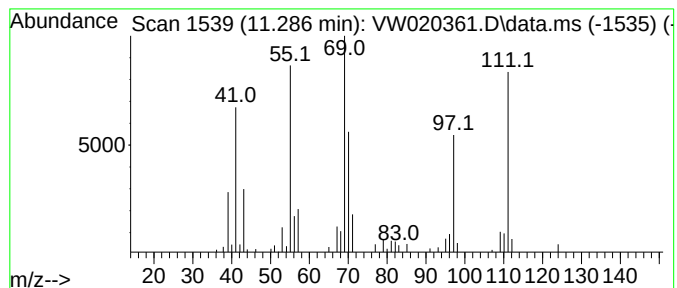
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.286 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	1.40 ug/L	50916	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
2			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	50
3			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
4			Isocytosine	111	C4H5N3O	000108-53-2	35
5			2,4-Diamino-1,3,5-triazine	111	C3H5N5	000504-08-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

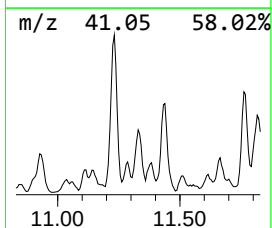
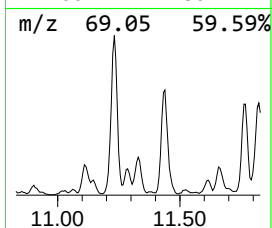
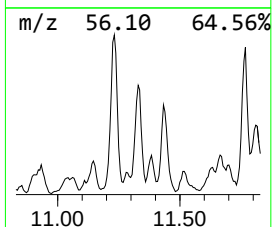
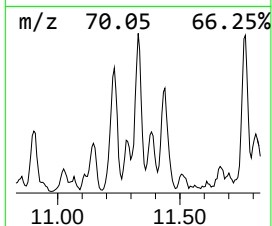
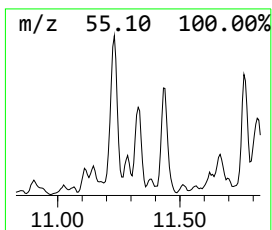
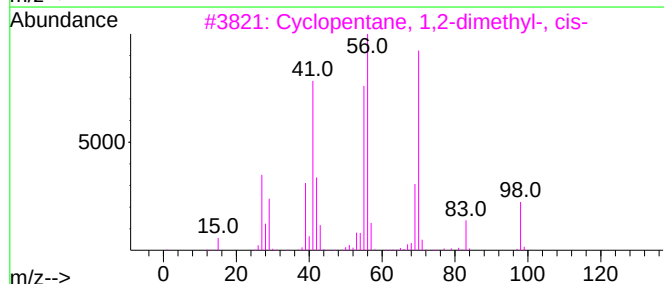
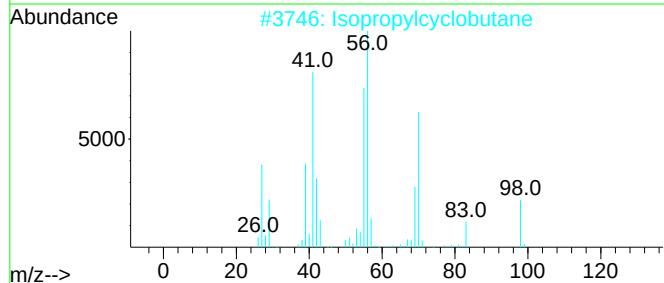
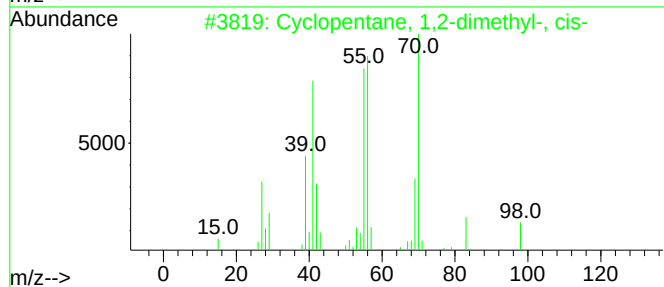
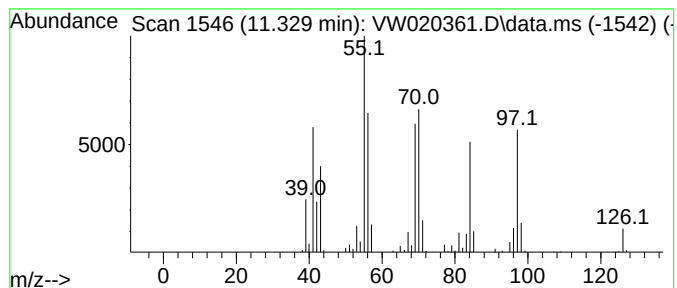
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 6 (DEL) Alkane: Cyclic11.329 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.329	3.50 ug/L	127210	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
2	Isopropylcyclobutane	98	C7H14	000872-56-0	50
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
4	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	46
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

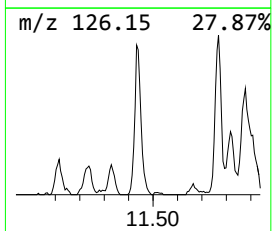
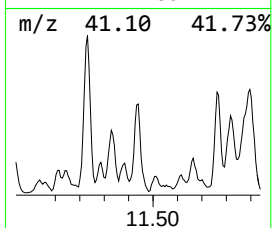
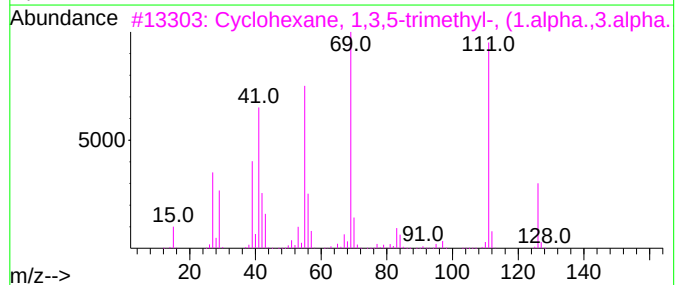
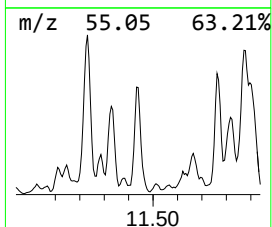
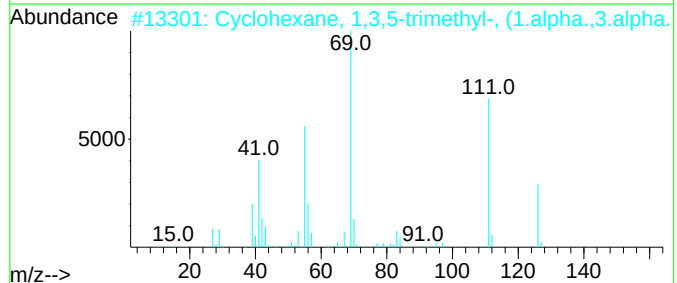
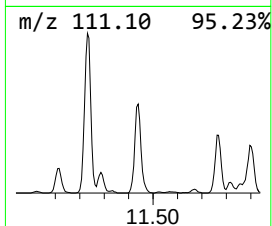
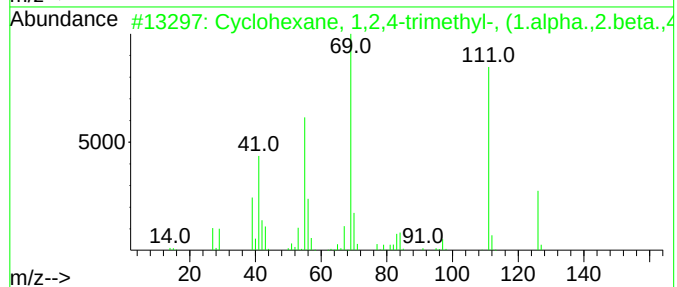
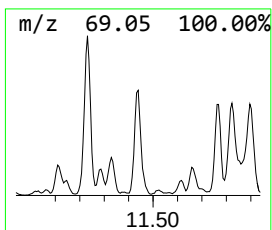
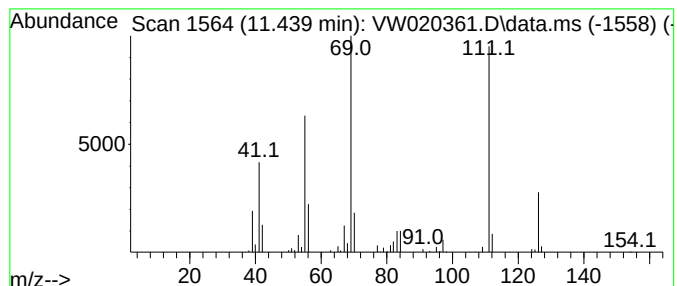
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.439 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	5.15 ug/L	187058	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

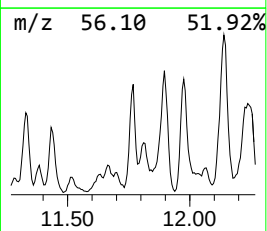
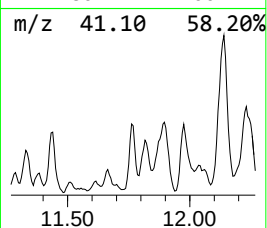
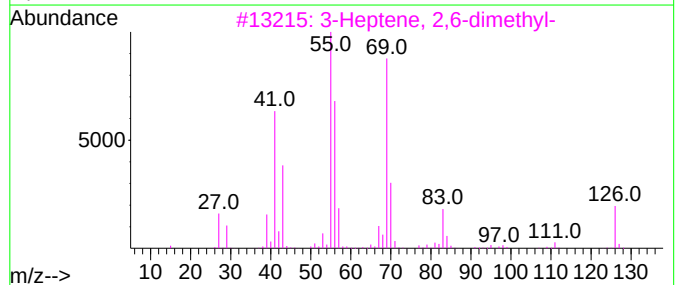
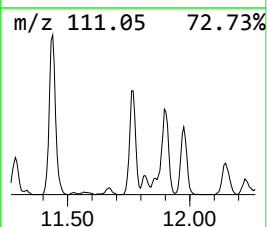
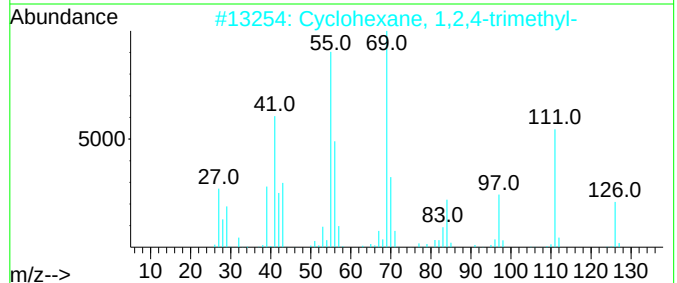
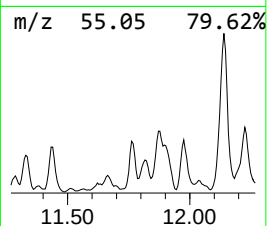
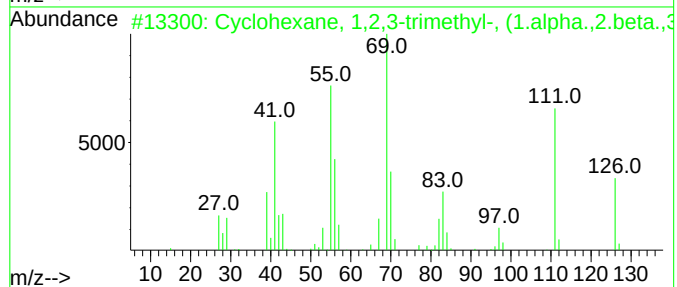
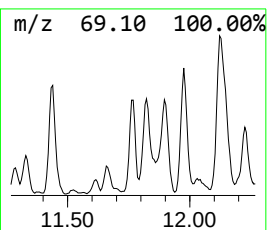
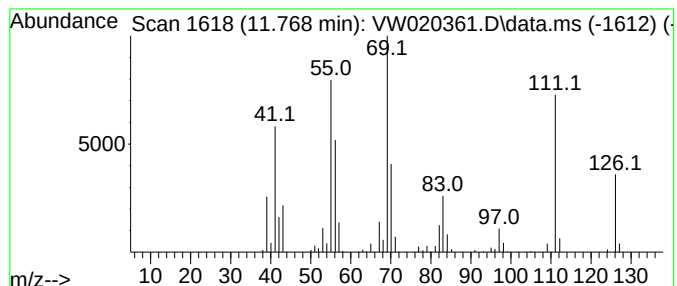
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.768 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	4.84 ug/L	175697	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	98
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
3			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	81
4			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	81
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

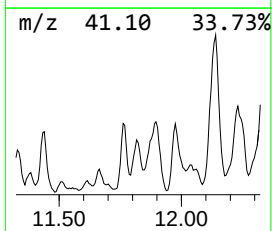
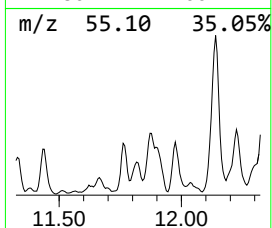
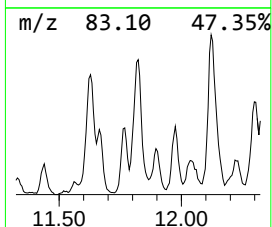
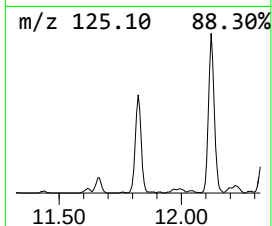
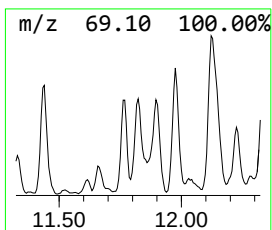
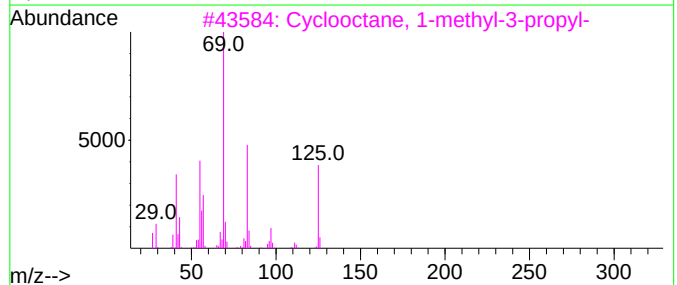
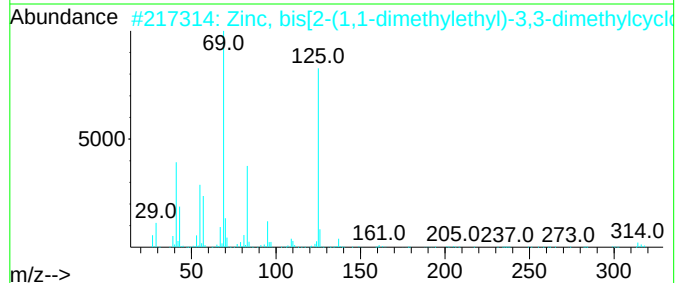
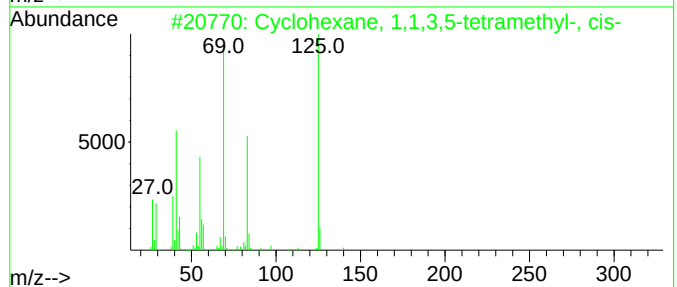
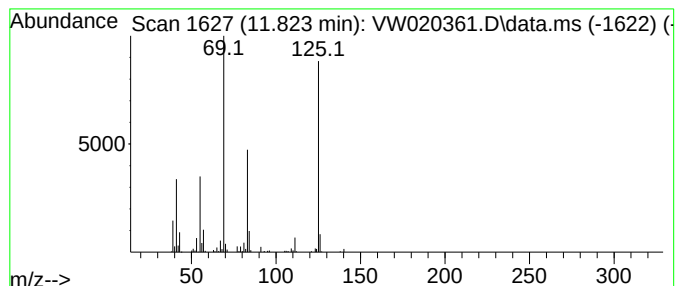
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.823 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.823	3.29 ug/L	119687	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	91
2			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	72
3			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	64
4			Benzeneacetic acid, 4-chloro-, 3...	238	C13H15ClO2	1000406-99-7	53
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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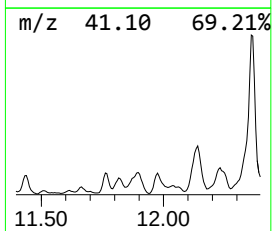
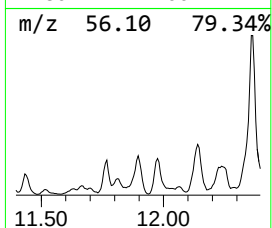
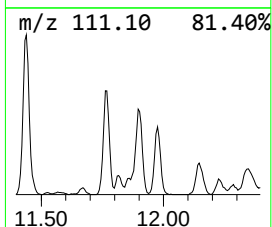
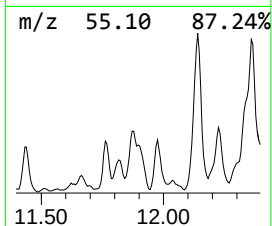
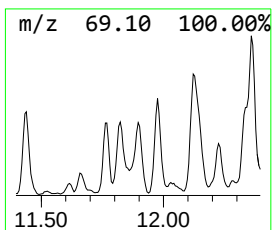
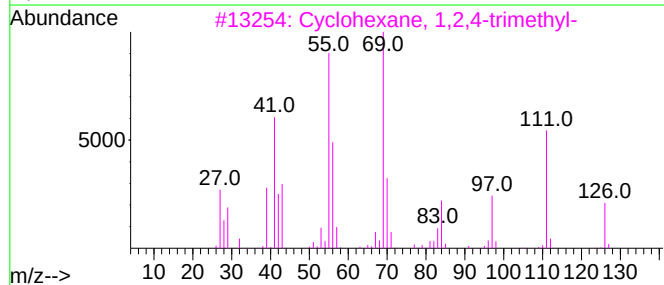
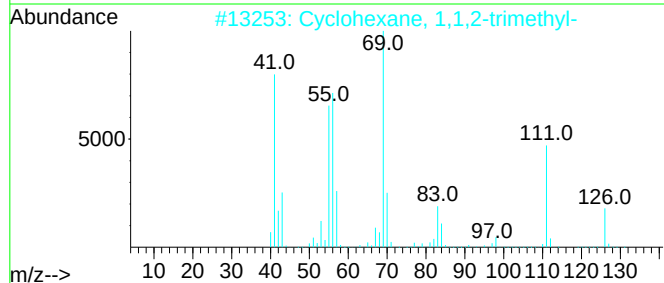
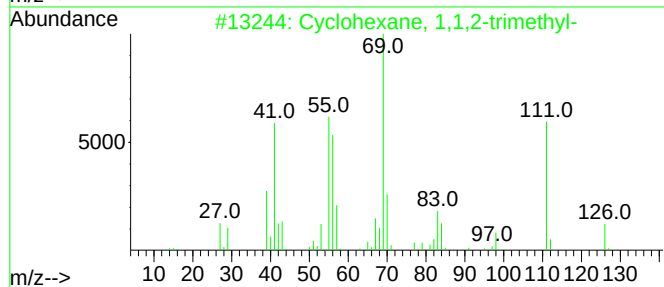
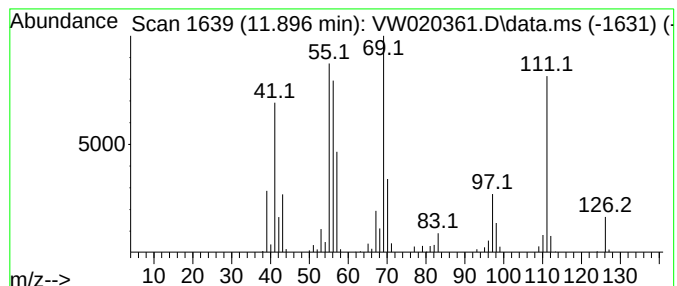
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic11.896 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.896	9.16 ug/L	332851	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	70
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
4		Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	49
5		trans-2-Methyl-3-octene	126	C9H18	052937-36-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

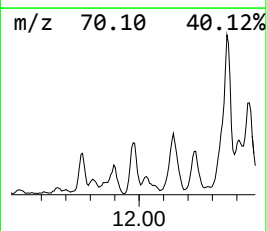
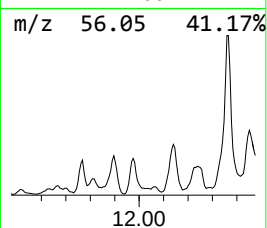
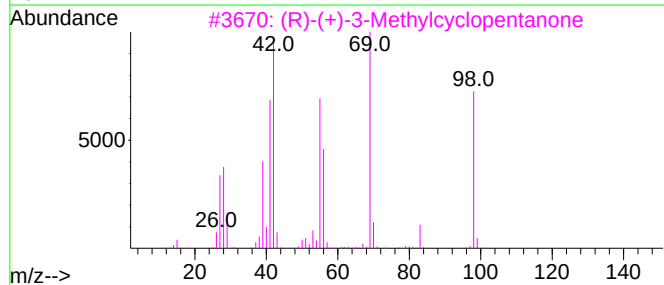
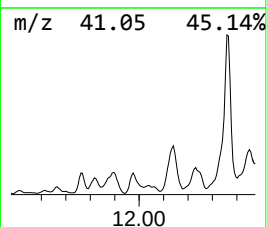
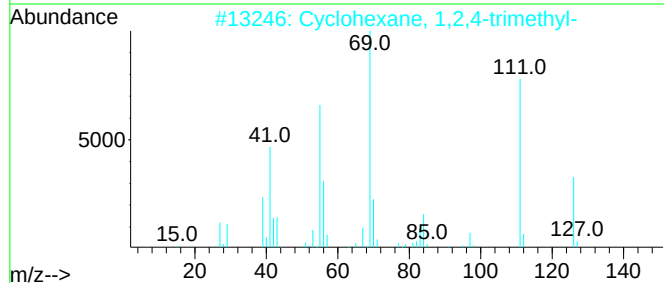
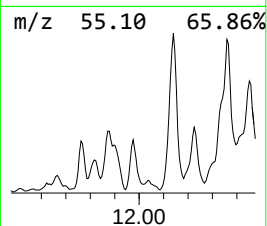
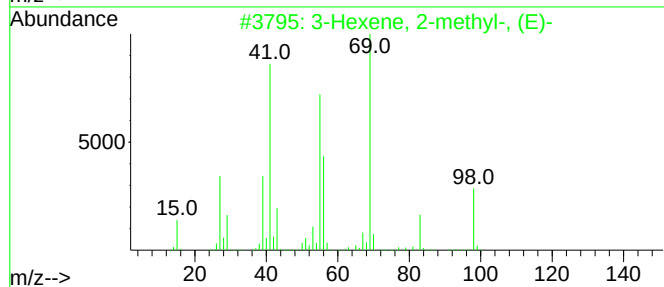
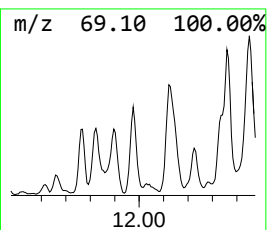
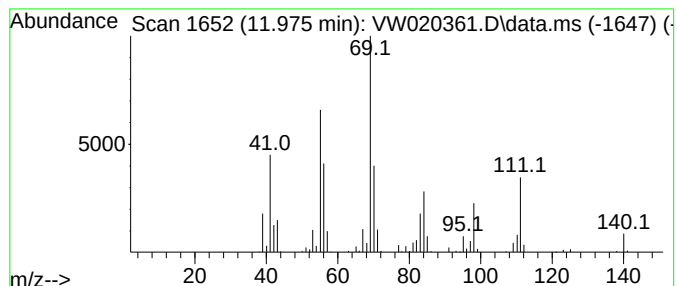
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MSVOA_W
ClientSampleId :
EW920

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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.975	7.10 ug/L	258123	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	60
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	47
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
5	5-Decene	140	C10H20	019689-19-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

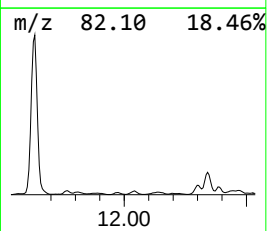
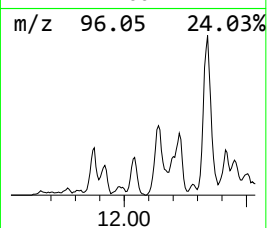
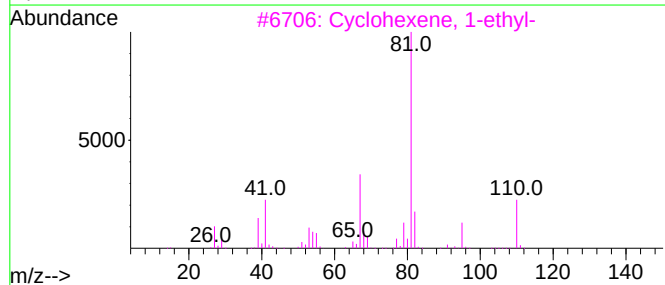
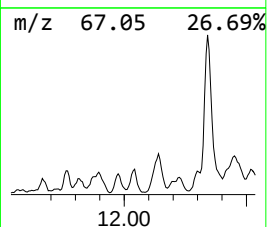
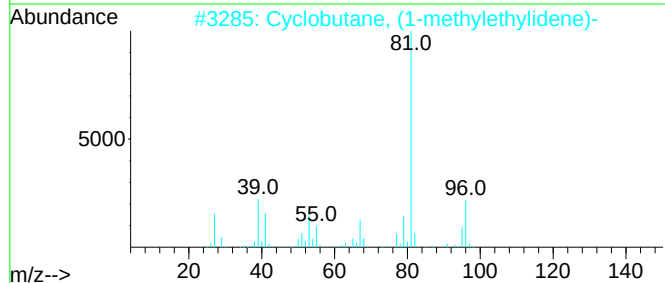
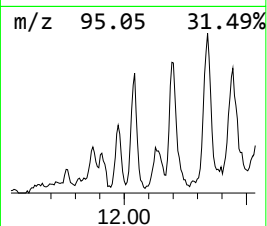
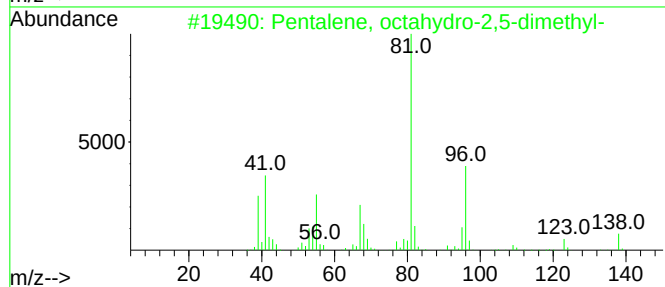
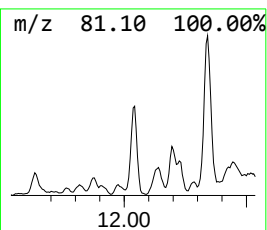
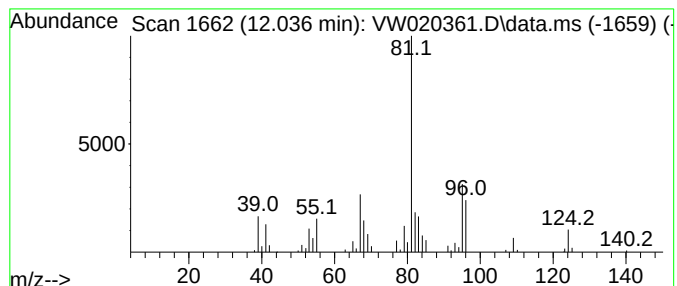
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Quant Title : SFAM01.0

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

Peak Number 12 Pentalene, octahydro-2,5-di... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.036	2.74 ug/L	99587	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	53
2		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
4		Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50
5		2,4-Octadienal, (E,E)-	124	C8H12O	030361-28-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

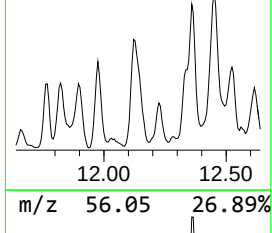
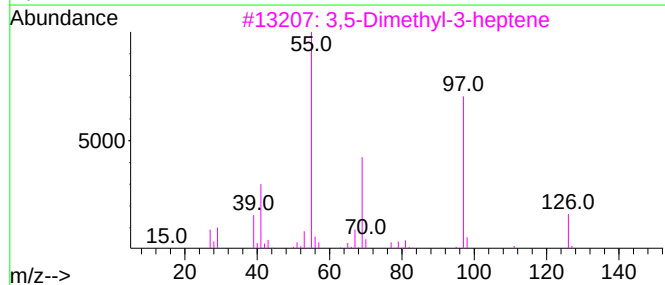
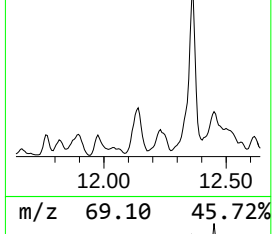
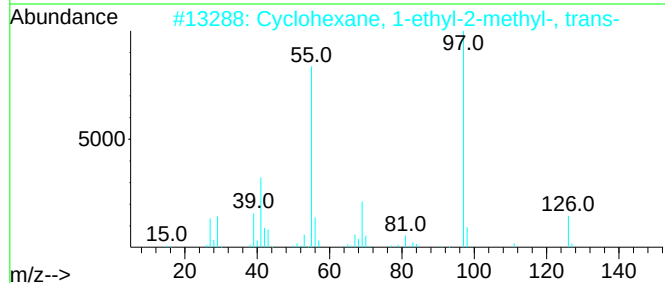
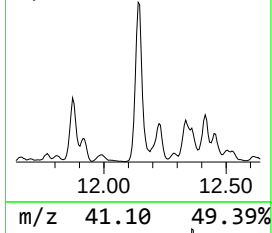
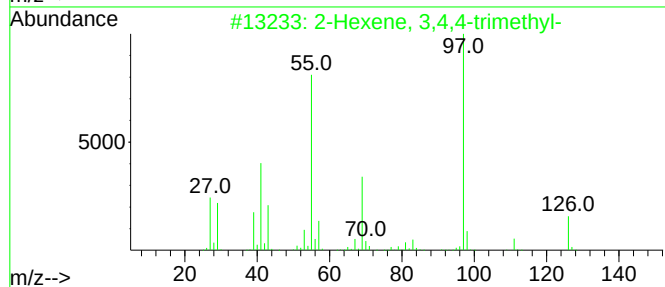
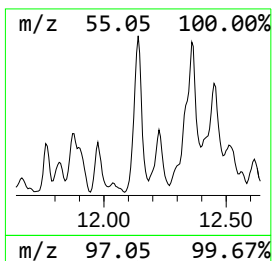
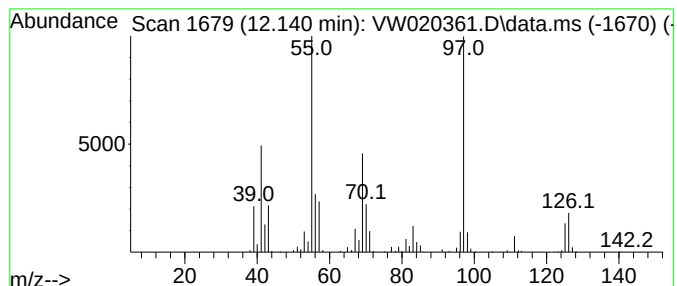
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	16.83 ug/L	611599	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	62	
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	62	
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62	
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58	
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

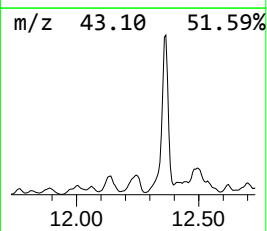
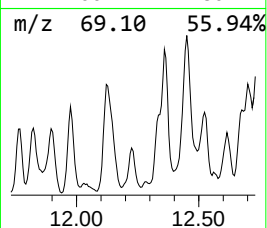
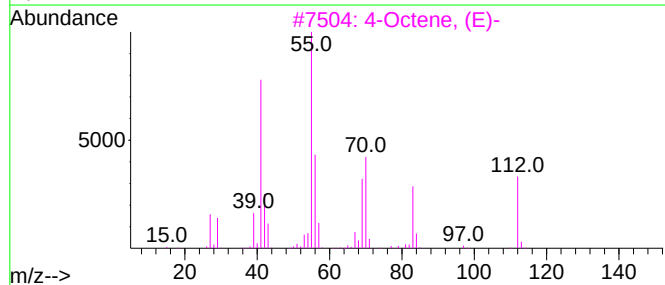
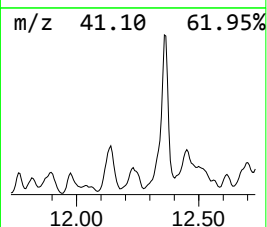
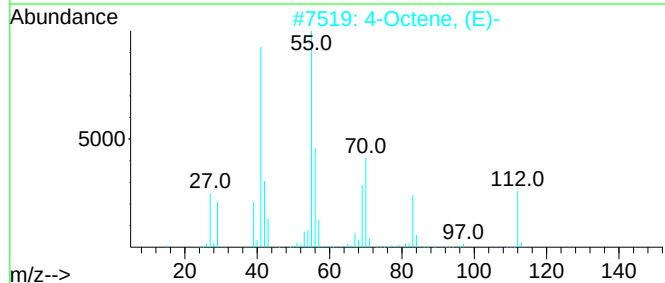
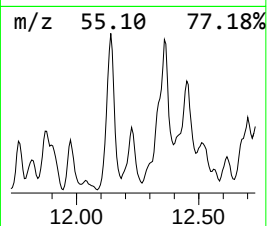
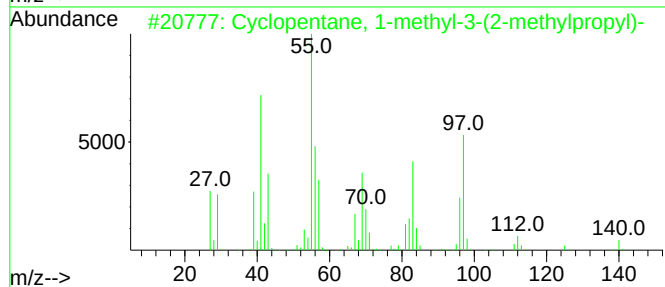
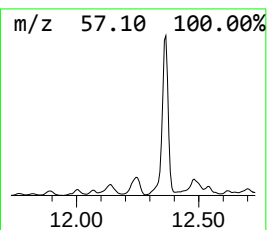
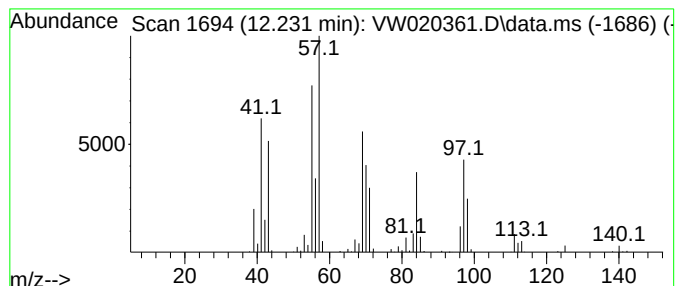
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic12.231 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.231	7.87 ug/L	285887	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38
2			4-Octene, (E)-	112	C8H16	014850-23-8	35
3			4-Octene, (E)-	112	C8H16	014850-23-8	35
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	30
5			Carbonic acid, decyl 2-ethylhexy...	314	C19H38O3	1000383-13-7	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

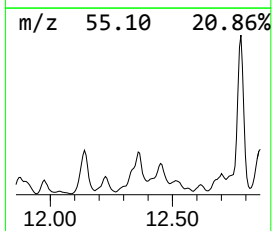
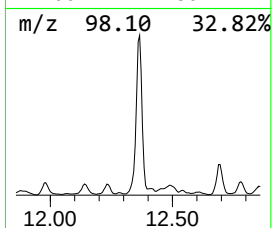
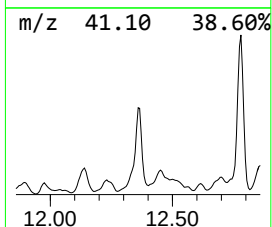
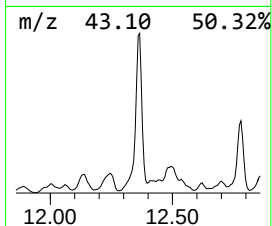
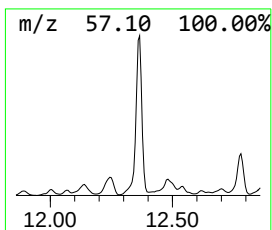
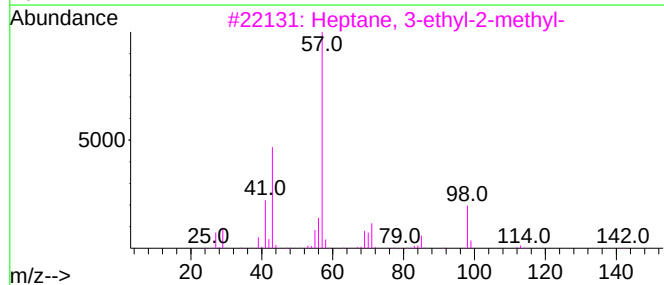
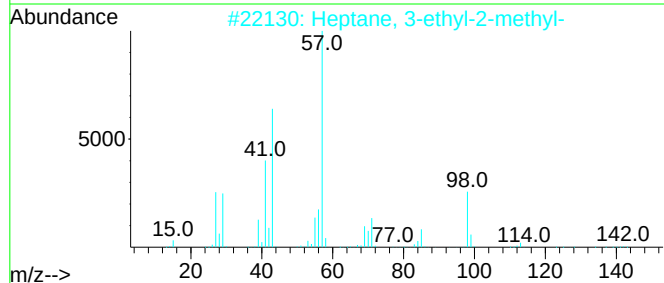
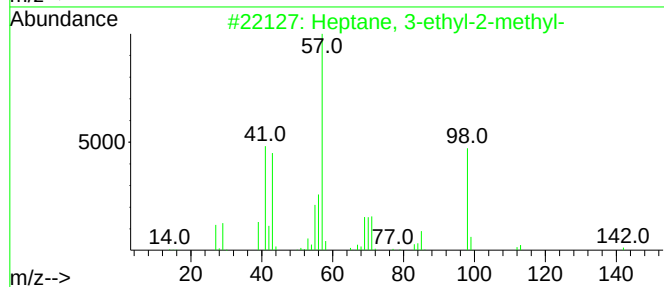
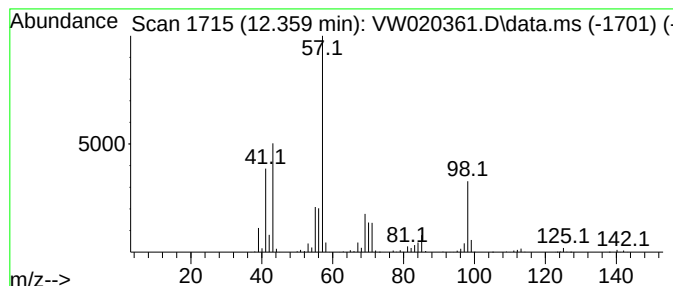
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	45.67 ug/L	1659650	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
5			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

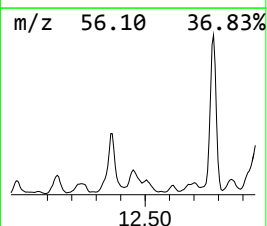
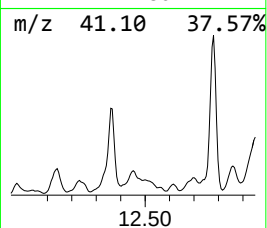
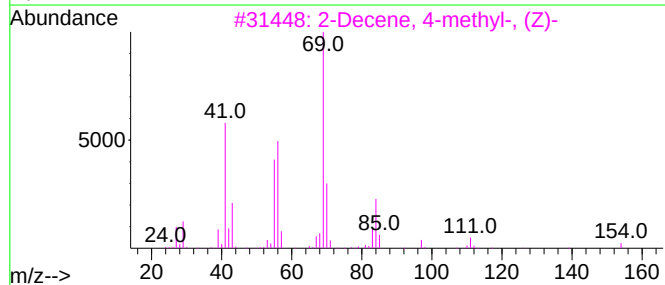
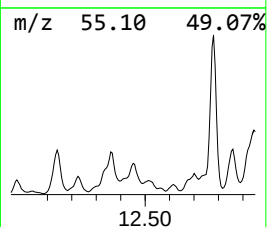
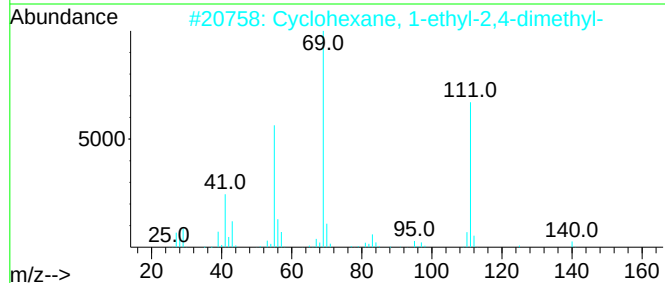
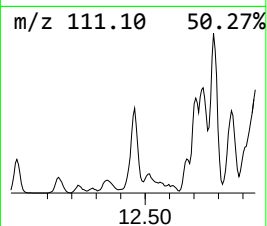
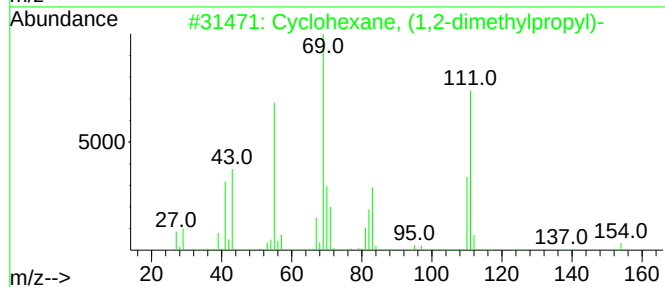
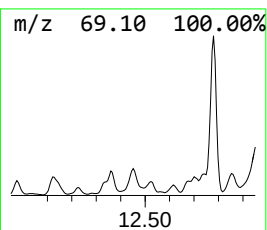
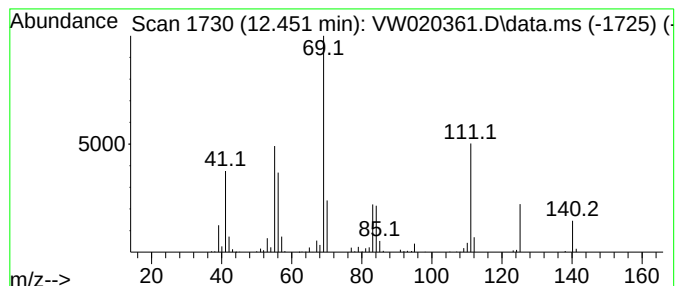
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic12.451 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	7.57 ug/L	275256	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	53
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47
3			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	47
4			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	47
5			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

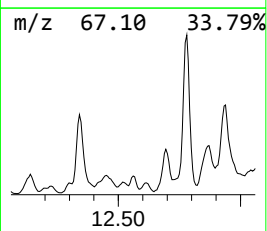
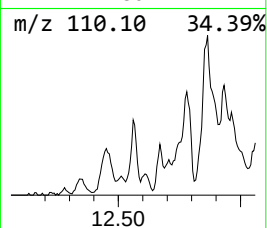
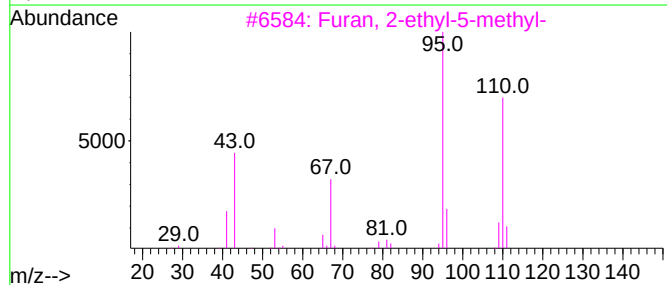
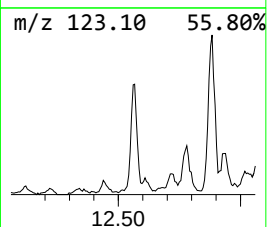
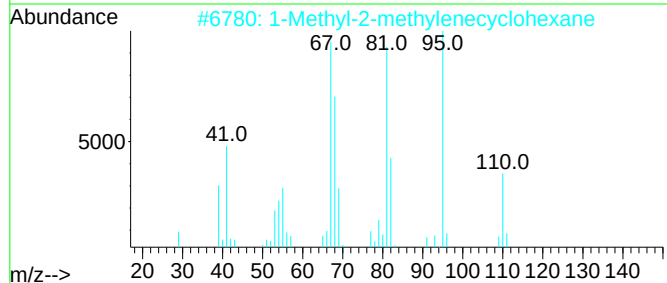
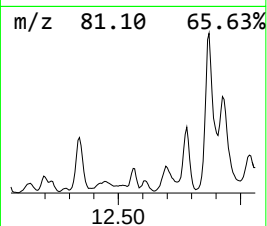
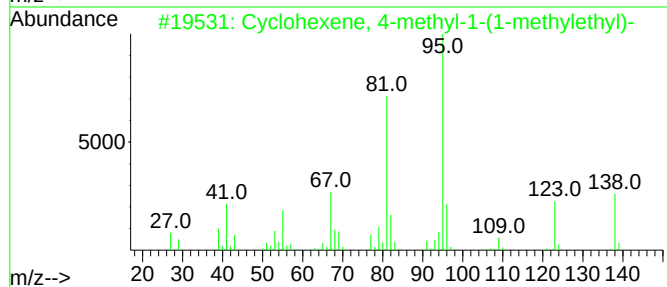
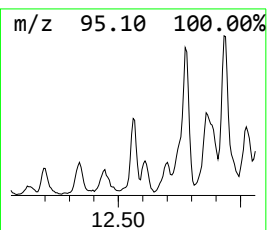
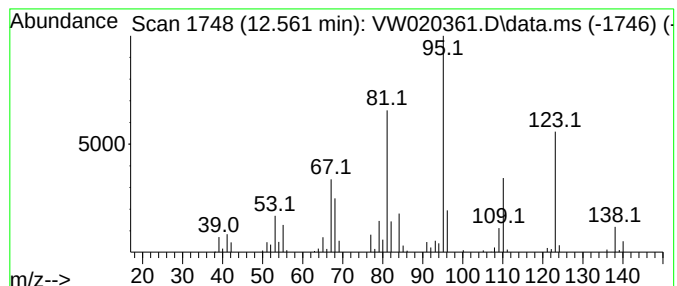
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 17 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.560	1.95 ug/L	70892	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	53
2	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	52
3	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	49
4	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	47
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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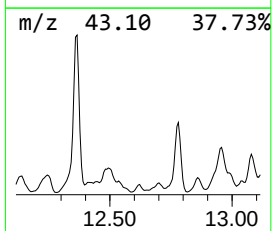
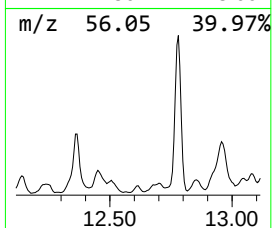
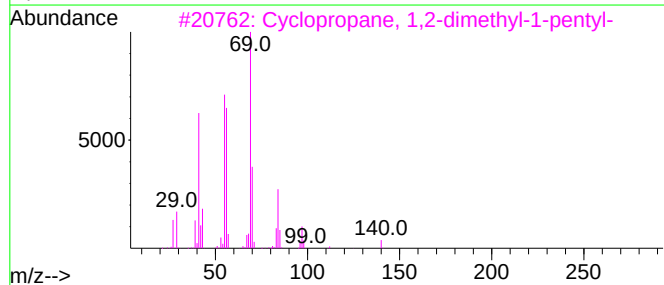
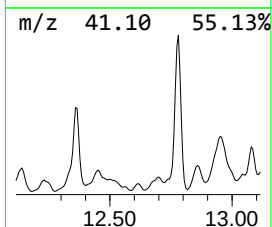
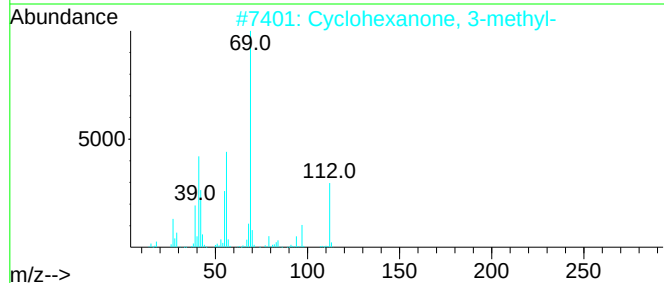
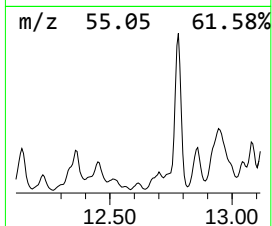
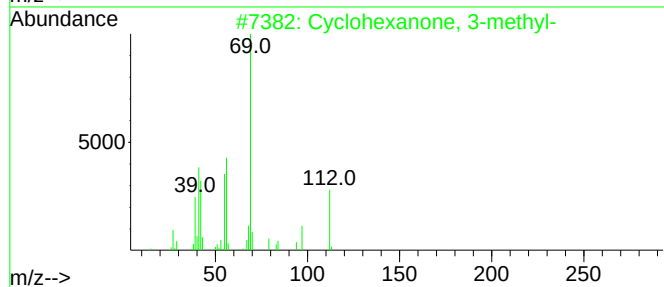
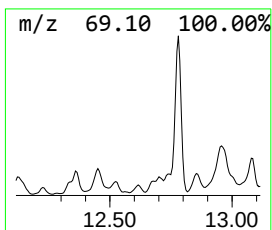
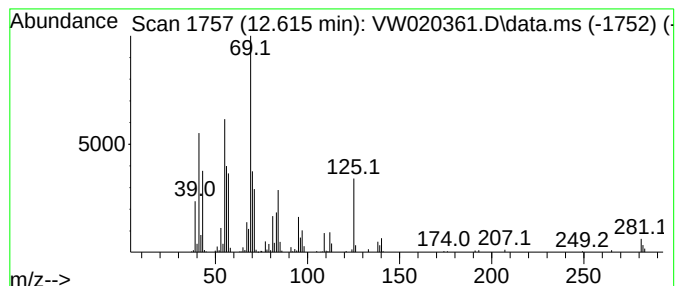
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Quant Title : SFAM01.0

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

Peak Number 18 Cyclohexanone, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	3.30 ug/L	126464	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	52
2			Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	52
3			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	52
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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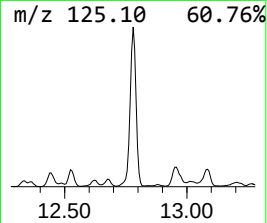
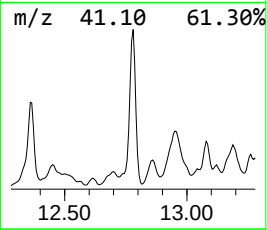
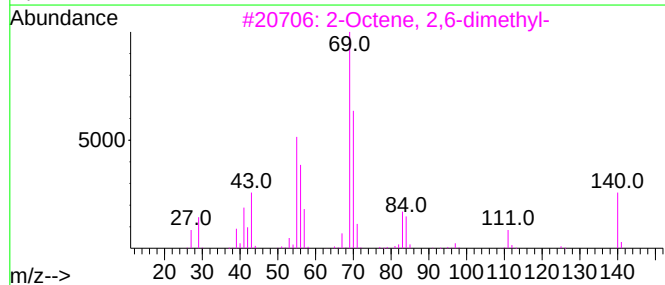
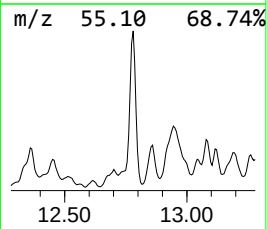
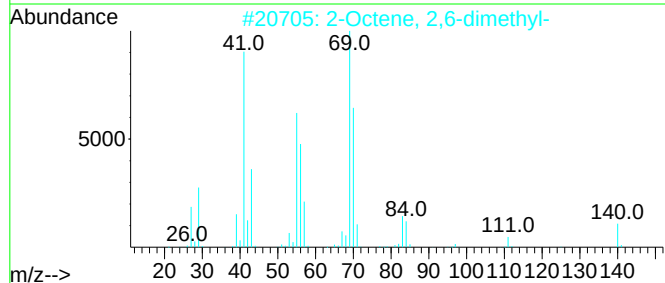
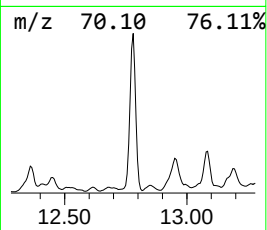
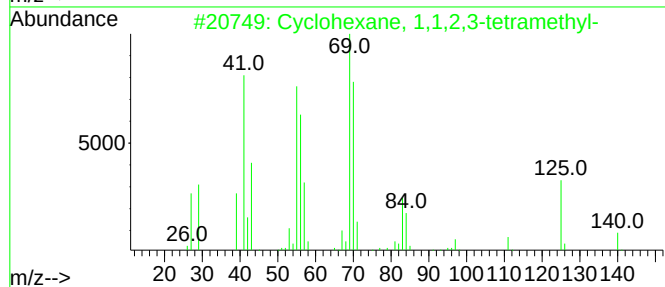
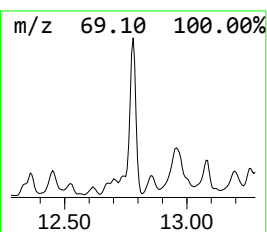
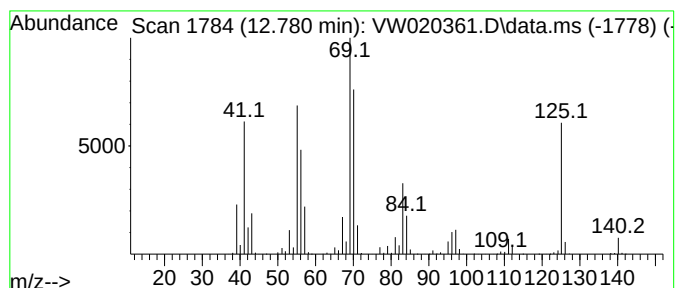
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic12.780 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	66.91 ug/L	2562850	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	87
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

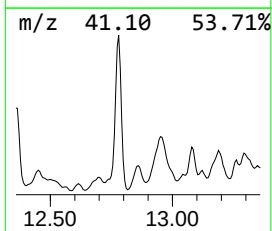
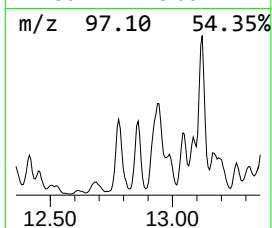
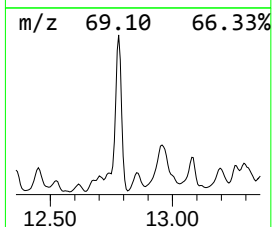
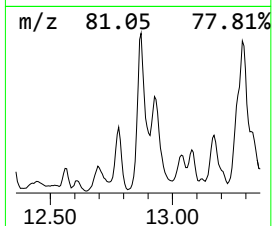
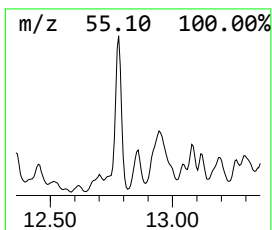
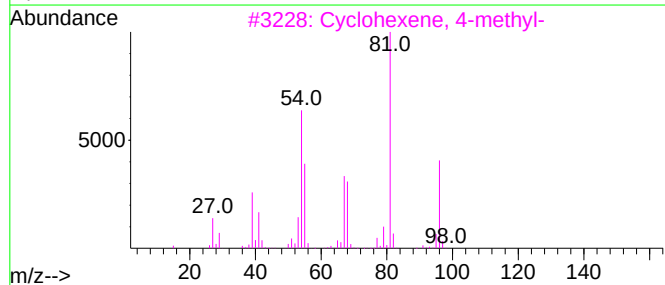
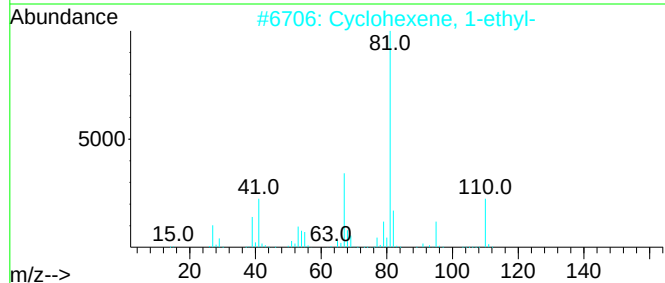
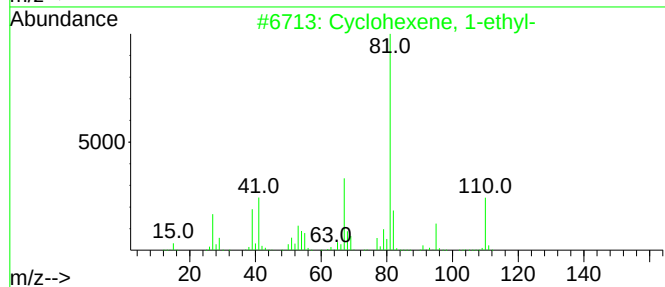
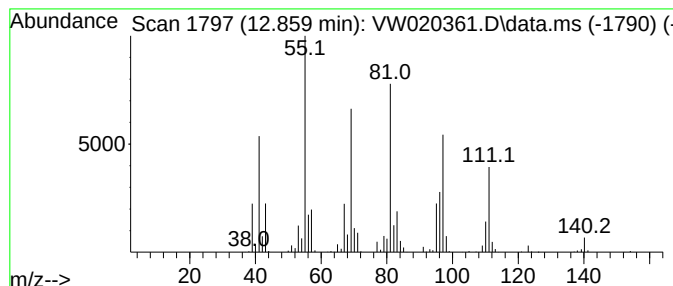
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Quant Title : SFAM01.0

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

Peak Number 20 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	18.61 ug/L	712753	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	46
2			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	41
3			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38
4			Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	38
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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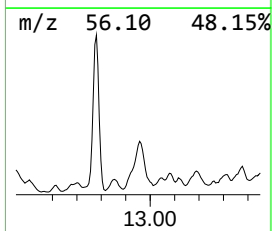
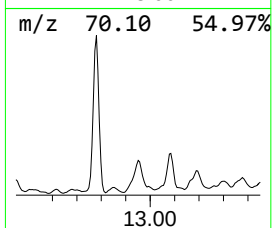
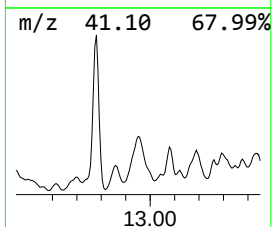
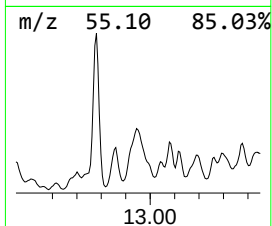
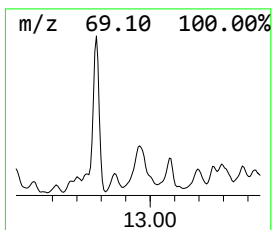
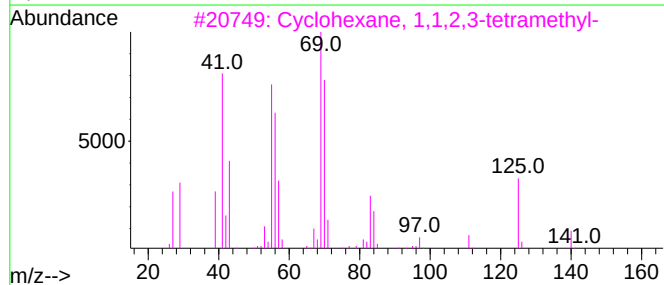
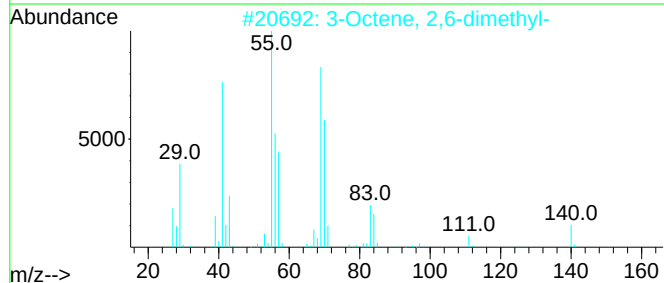
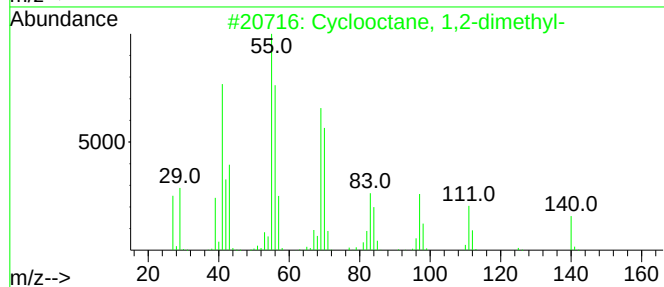
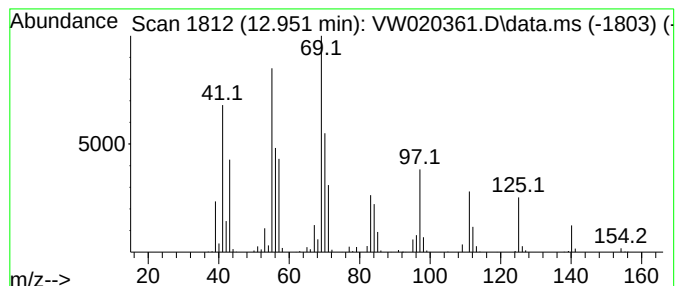
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic12.951 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.951	42.97 ug/L	1645820	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	83
2			3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	64
3			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	62
4			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	58
5			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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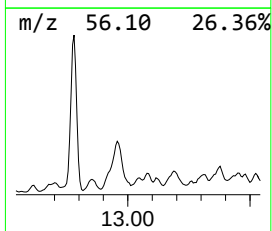
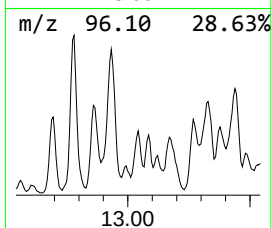
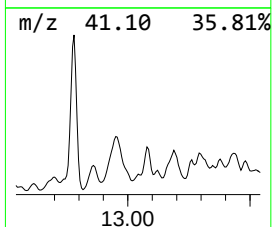
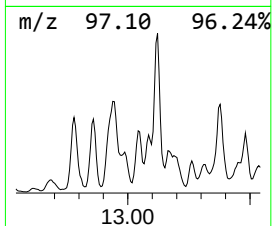
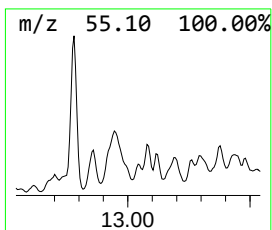
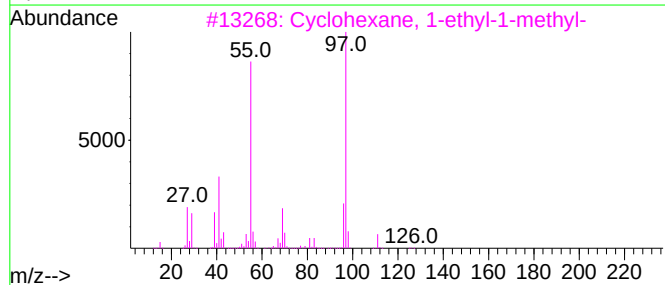
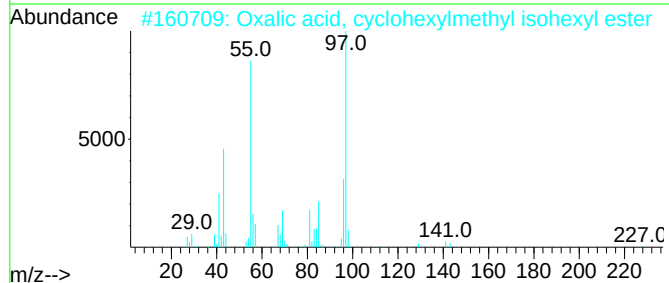
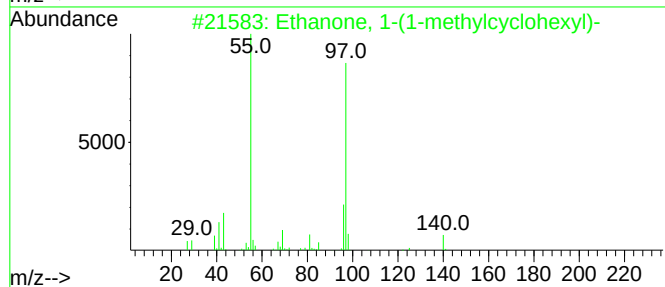
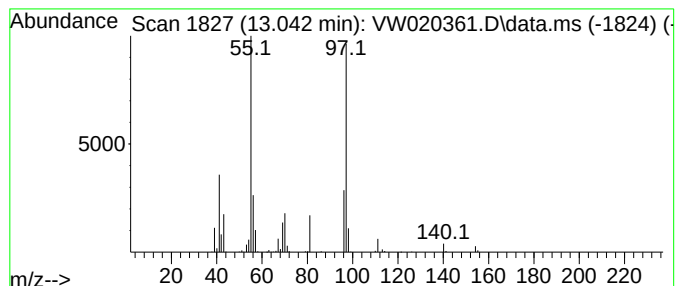
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Quant Title : SFAM01.0

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

Peak Number 22 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.042	3.08 ug/L	118041	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
2			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	72
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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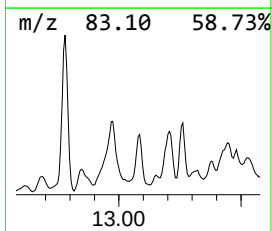
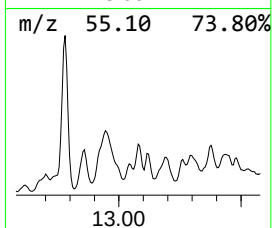
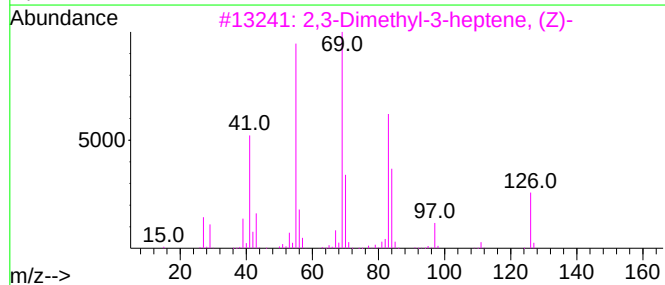
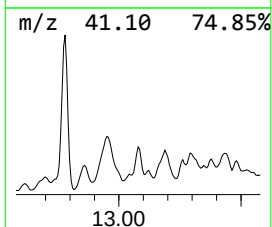
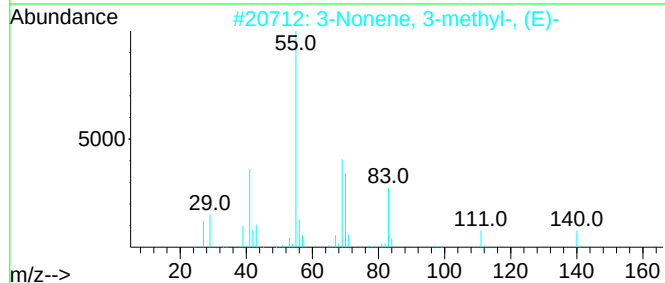
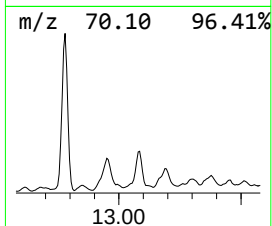
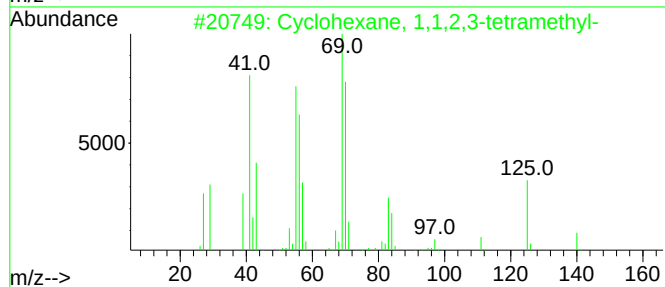
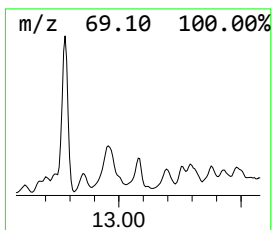
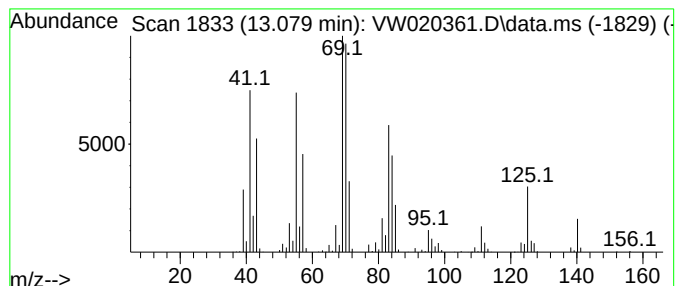
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic13.079 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	14.81 ug/L	567143	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2		3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	52
3		2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	43
4		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
5		2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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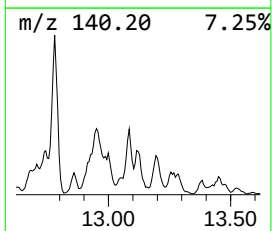
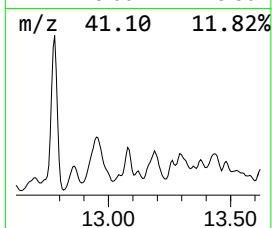
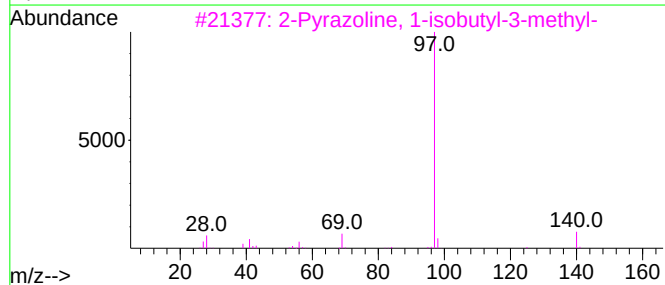
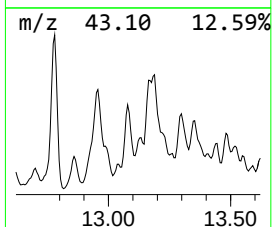
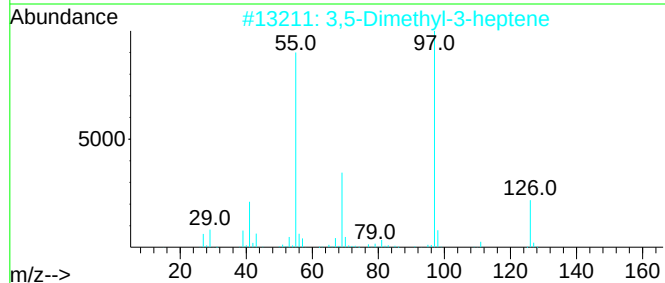
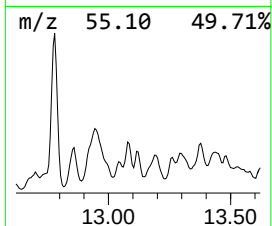
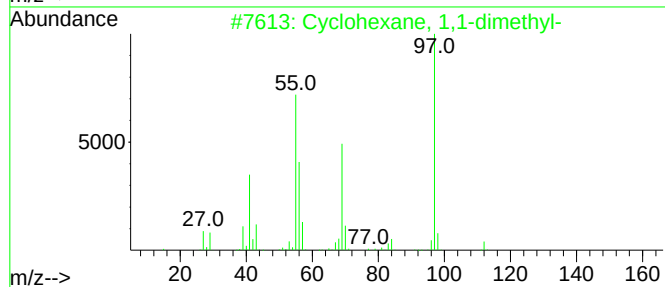
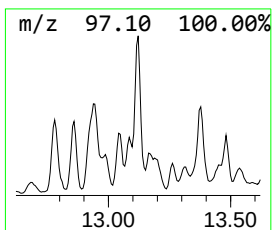
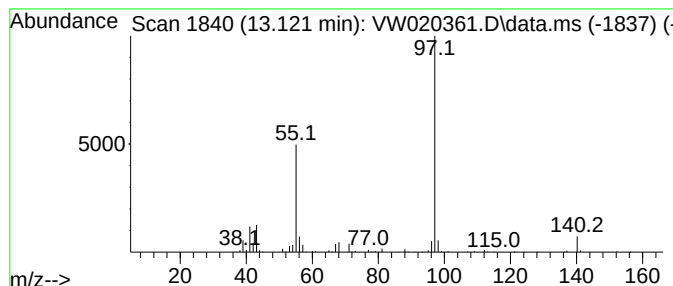
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic13.121 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.70 ug/L	141803	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	56
2		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	50
3		2-Pyrazoline, 1-isobutyl-3-methyl-	140	C8H16N2	026964-53-4	45
4		2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	45
5		Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

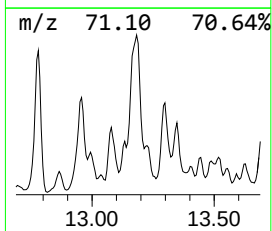
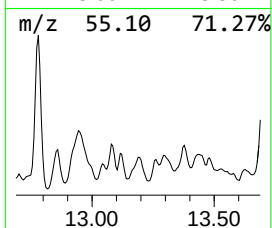
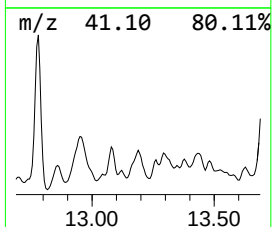
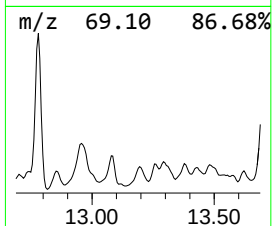
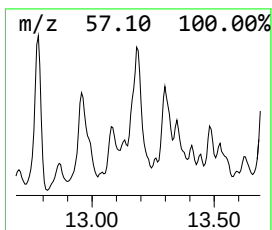
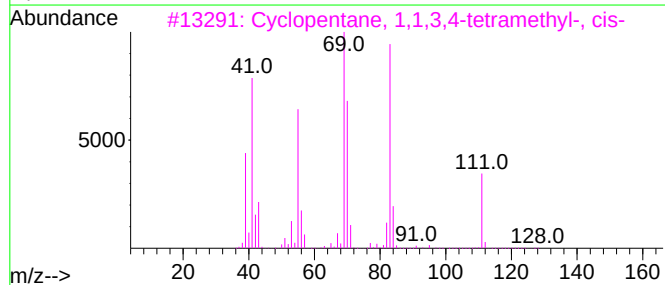
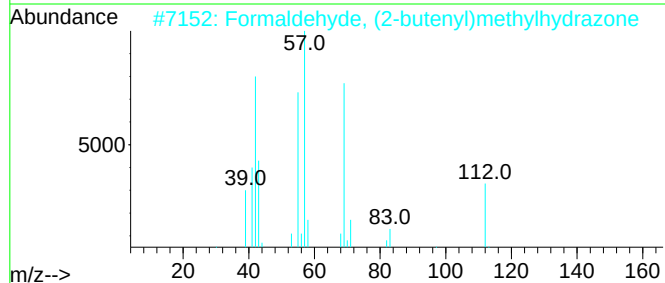
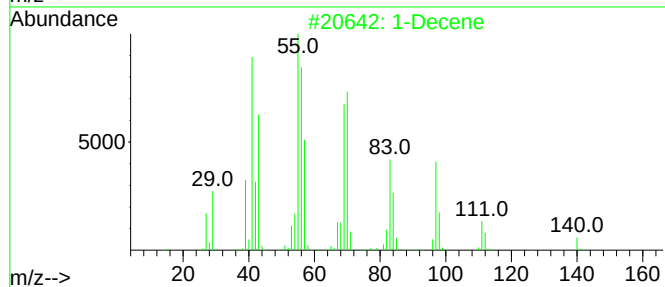
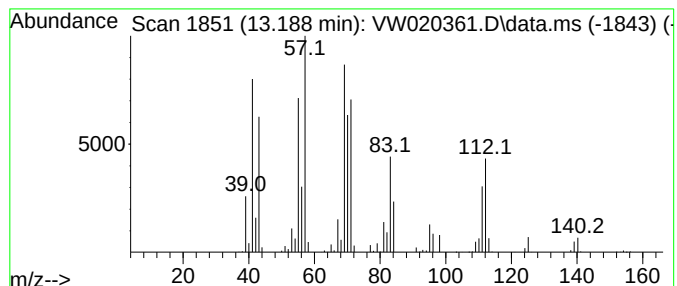
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.188	19.09 ug/L	731178	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Decene	140	C10H20	000872-05-9	49
2		Formaldehyde, (2-butenyl)methylh...	112	C6H12N2	068661-51-8	43
3		Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	43
4		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
5		1-Acetyl-4,5-dihydro-1H-pyrazole	112	C5H8N2O	1000373-42-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

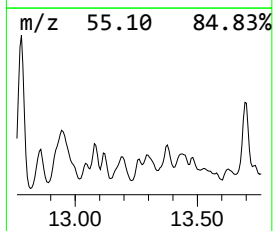
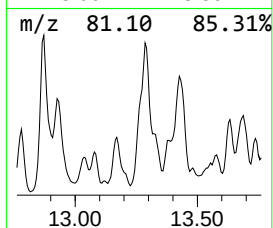
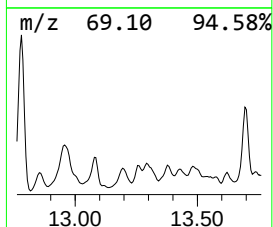
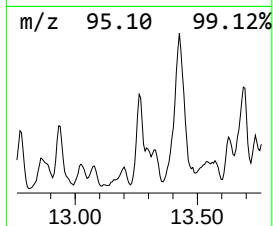
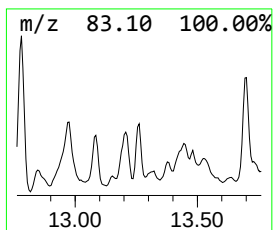
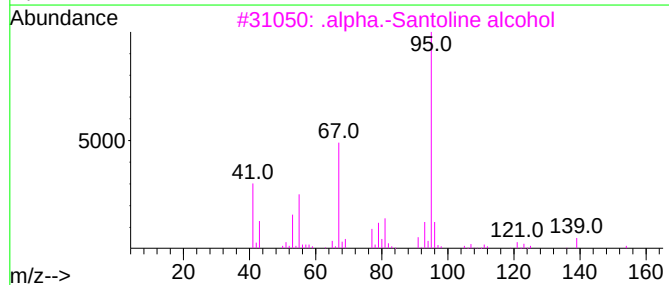
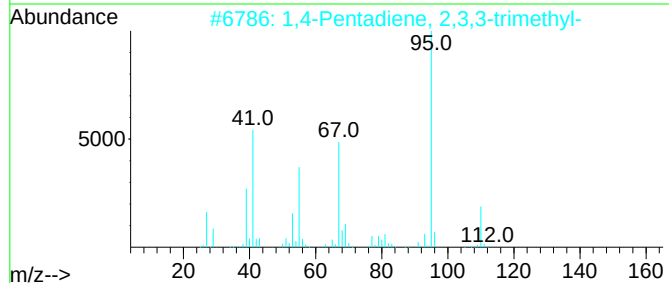
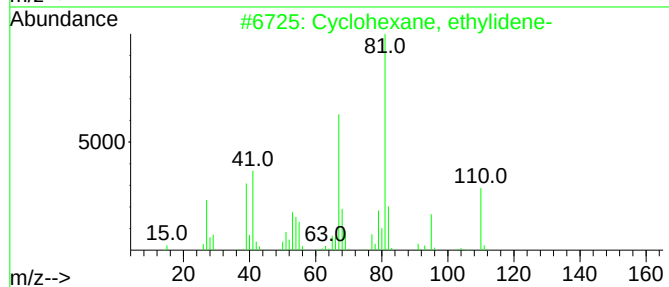
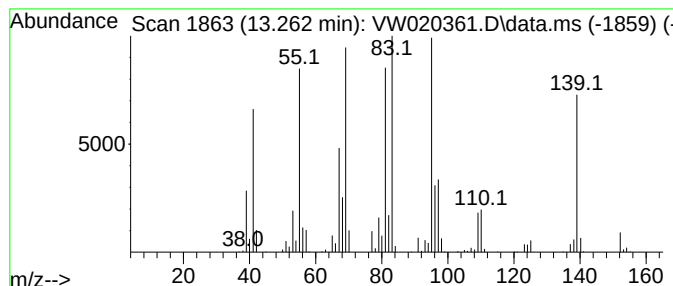
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Quant Title : SFAM01.0

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

Peak Number 26 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.262	9.17 ug/L	351123	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethylidene-	110	C8H14	001003-64-1	35
2			1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	25
3			.alpha.-Santoline alcohol	154	C10H18O	090823-36-2	20
4			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	18
5			Methyl ethyl cyclopentene	110	C8H14	019780-56-4	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

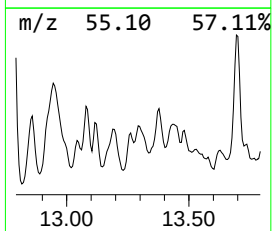
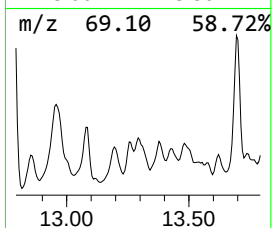
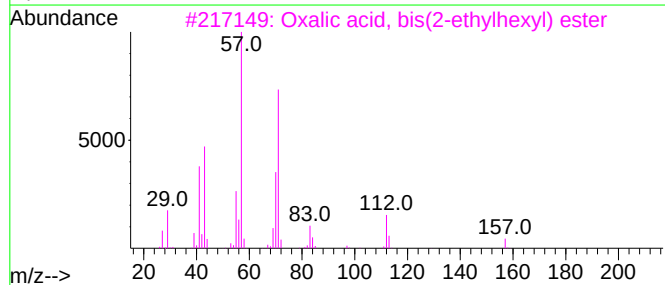
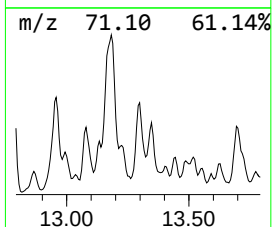
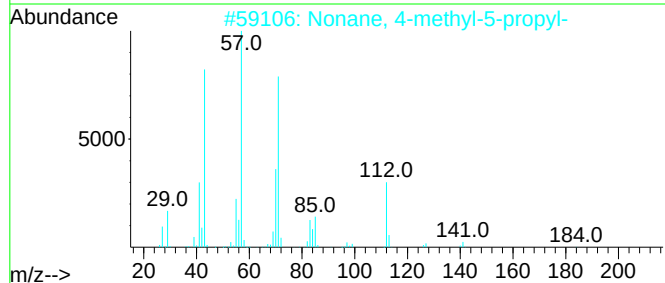
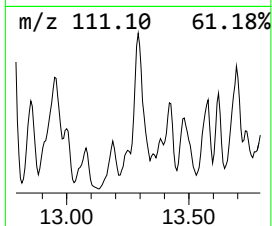
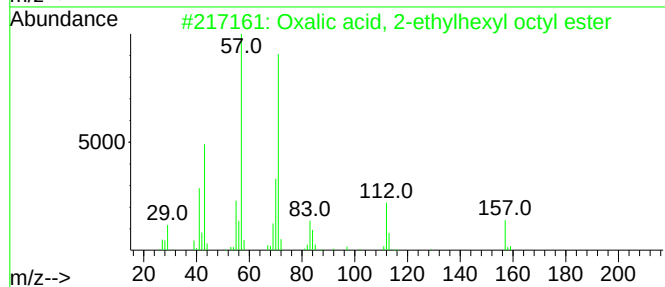
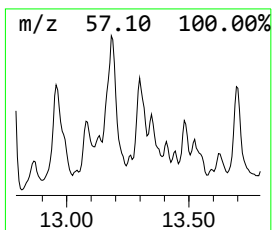
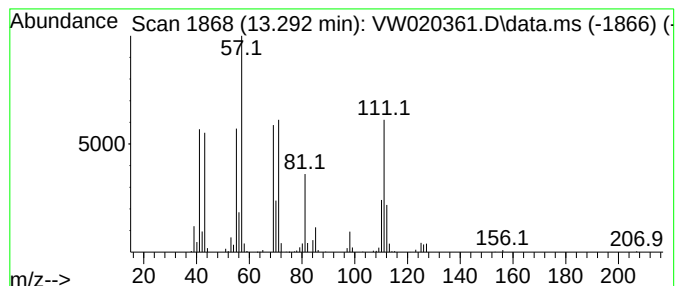
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Quant Title : SFAM01.0

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

Peak Number 27 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	19.74 ug/L	756295	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	35
2			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	35
3			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	35
4			Decane, 4-methyl-	156	C11H24	002847-72-5	35
5			Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

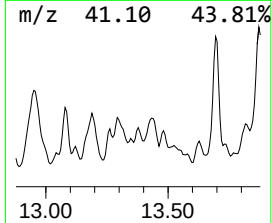
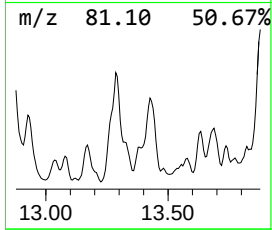
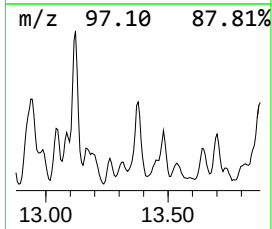
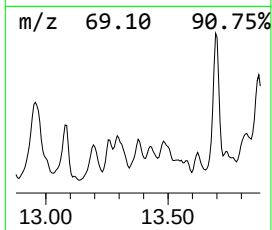
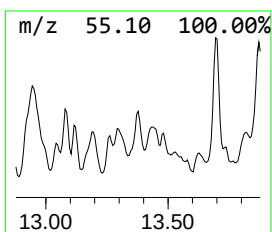
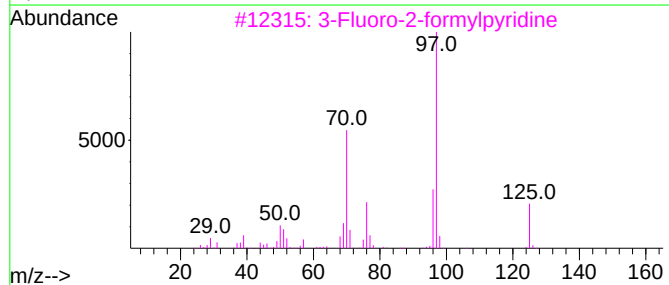
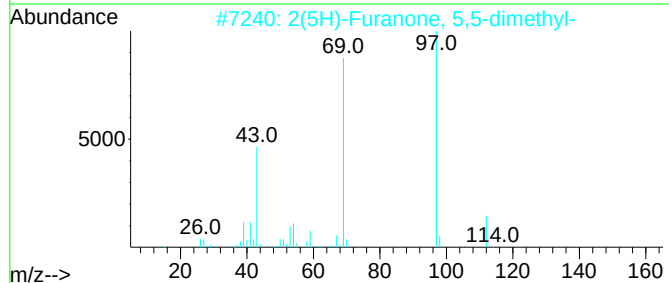
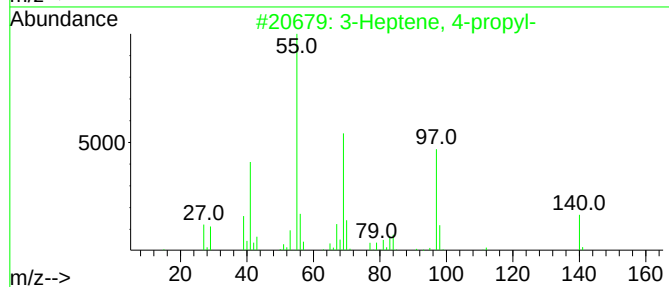
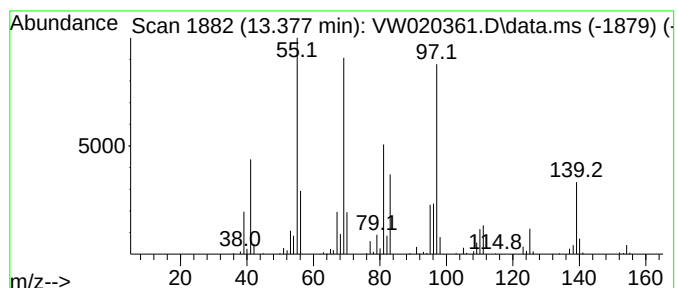
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	7.92 ug/L	303542	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Heptene, 4-propyl-	140	C10H20	004485-13-6	50
2		2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	43
3		3-Fluoro-2-formylpyridine	125	C6H4FNO	031224-43-8	35
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	35
5		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

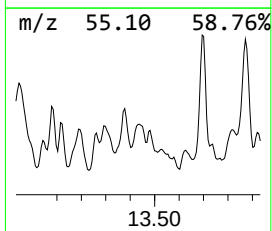
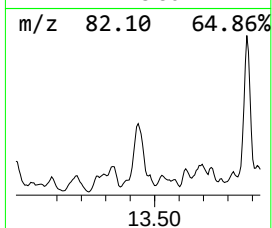
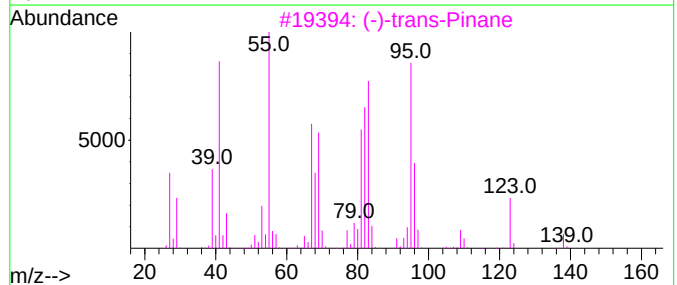
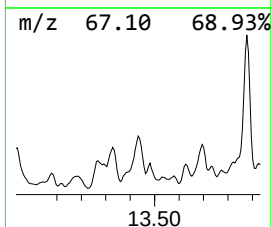
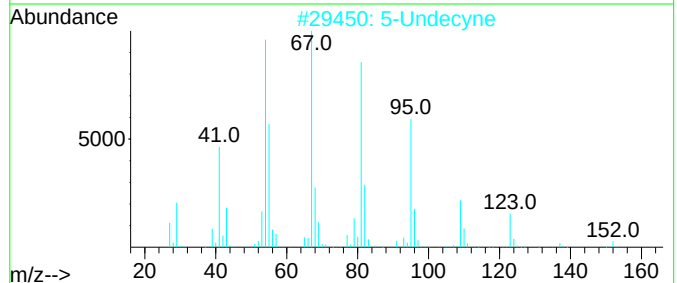
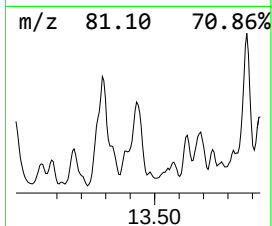
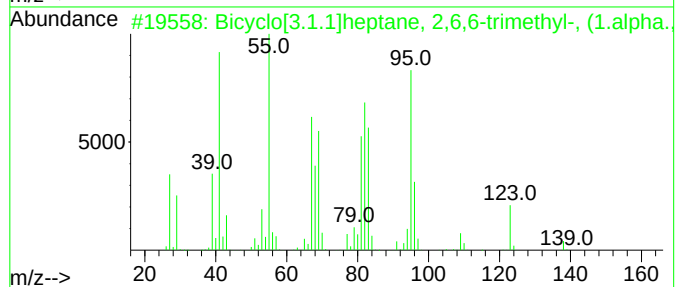
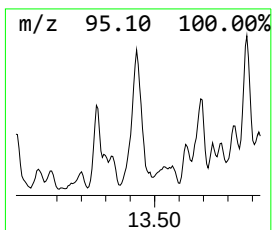
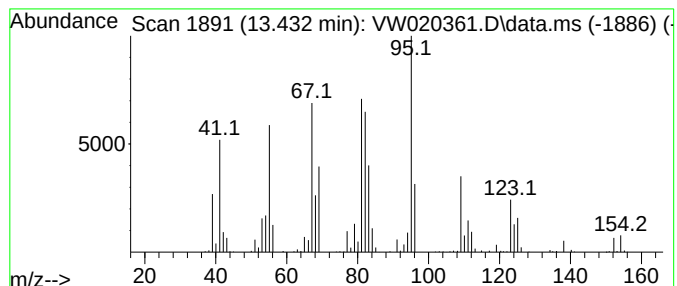
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Quant Title : SFAM01.0

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

Peak Number 29 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.432	18.18 ug/L	696214	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	58
2			5-Undecyne	152	C11H20	002294-72-6	58
3			(-)-trans-Pinane	138	C10H18	033626-25-4	58
4			Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	53
5			Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

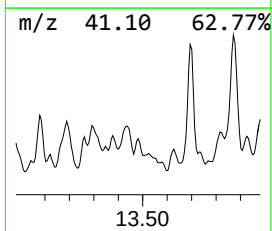
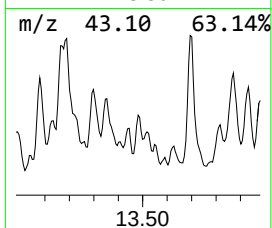
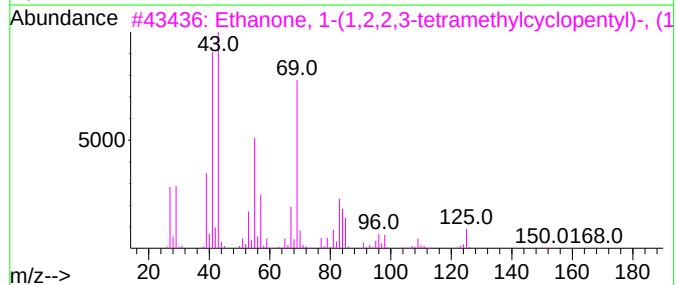
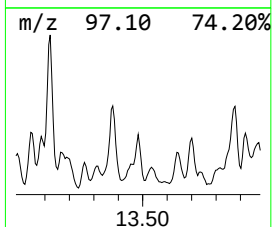
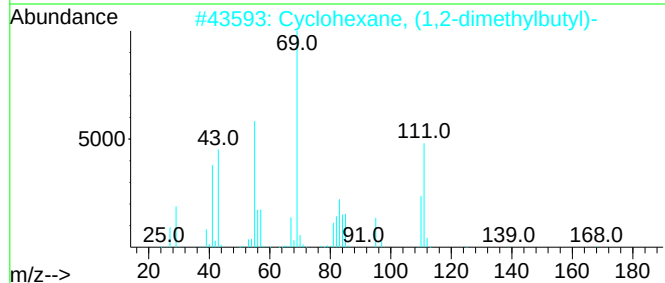
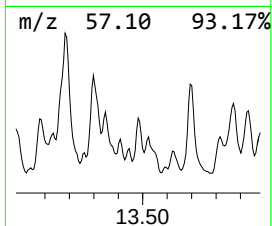
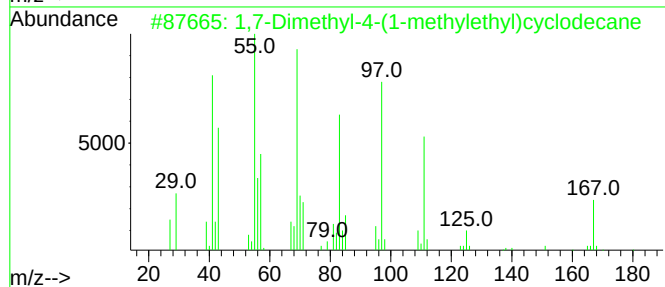
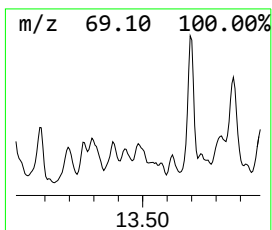
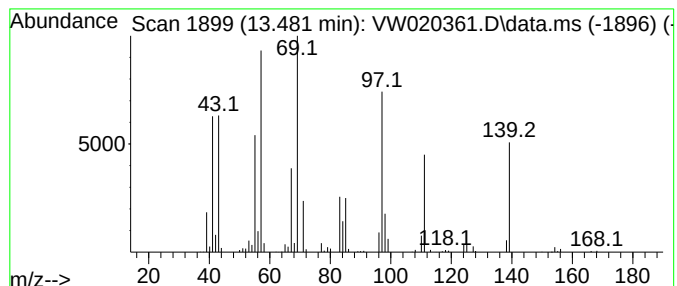
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic13.481 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	5.15 ug/L	197235	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	38
2			Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	35
3			Ethanone, 1-(1,2,2,3-tetramethyl...	168	C11H20O	059642-07-8	27
4			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	27
5			Cyclooctyl bromide	190	C8H15Br	001556-09-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

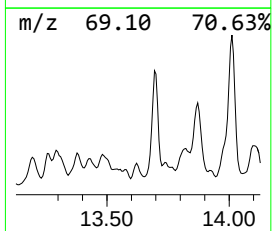
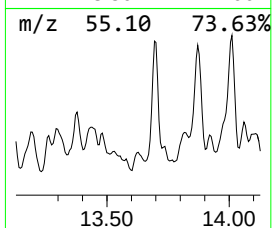
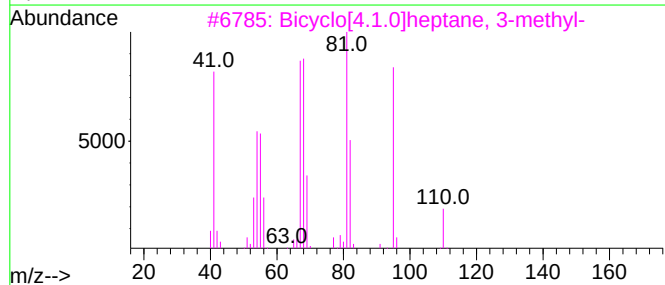
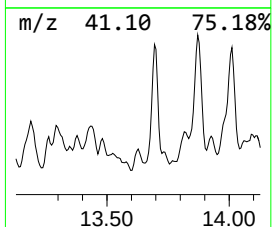
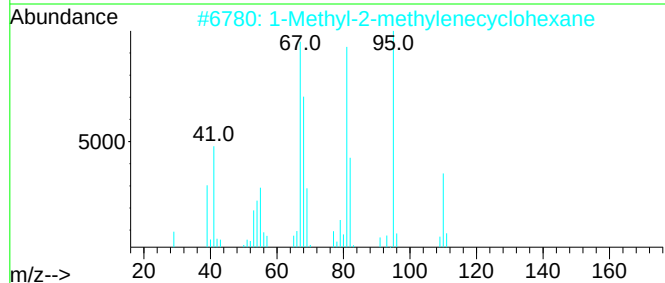
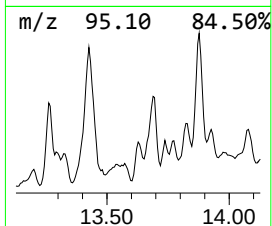
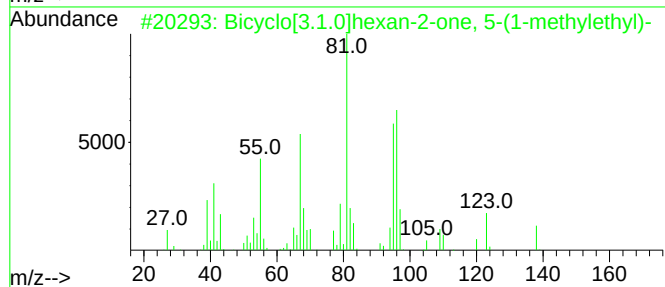
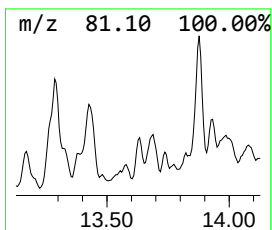
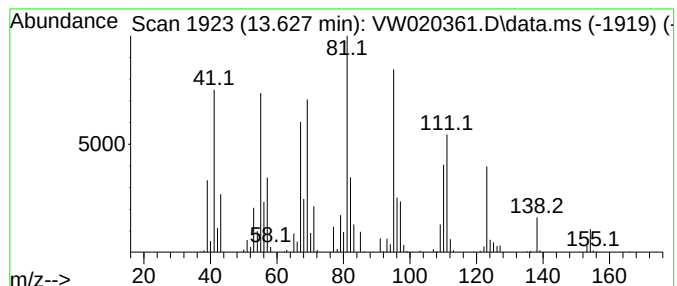
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 31 Bicyclo[3.1.0]hexan-2-one, ... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.627	7.73 ug/L	296051	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexan-2-one, 5-(1-...		138	C9H14O	000513-20-2	64
2	1-Methyl-2-methylenecyclohexane		110	C8H14	002808-75-5	58
3	Bicyclo[4.1.0]heptane, 3-methyl-		110	C8H14	041977-47-3	58
4	Bicyclo[3.1.0]hexan-2-one, 5-(1-...		138	C9H14O	000513-20-2	58
5	Levomenthol		156	C10H20O	002216-51-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

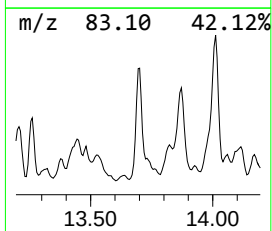
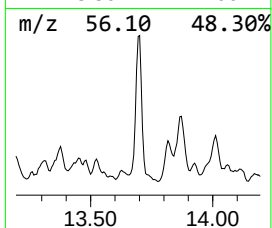
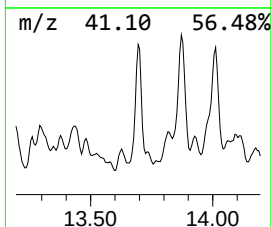
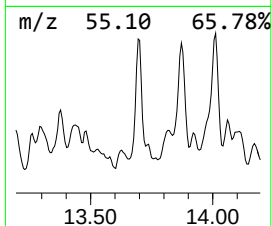
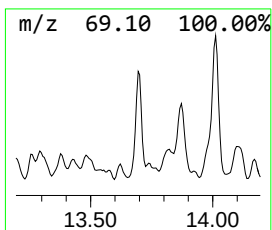
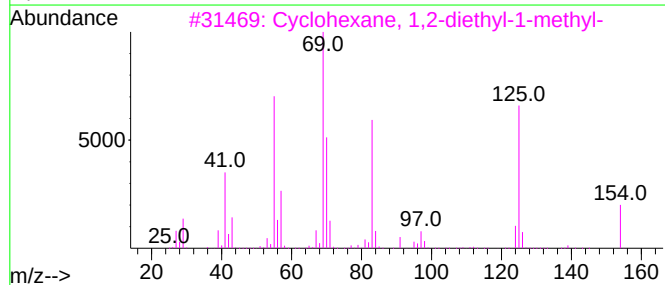
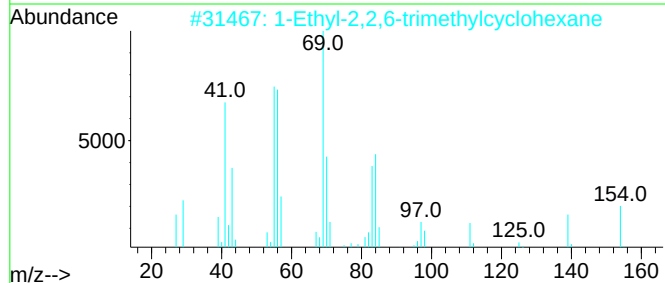
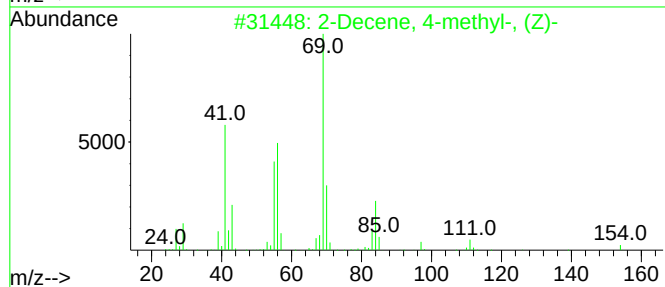
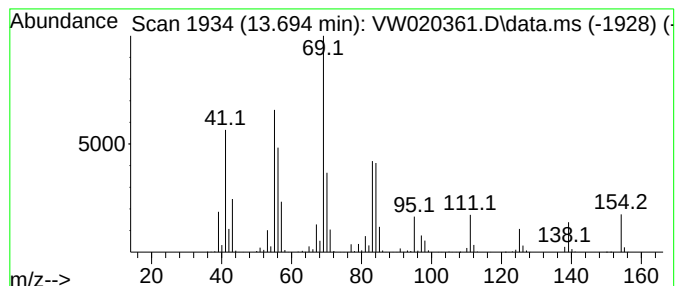
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 32 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.695	31.43 ug/L	1204130	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	76
2	1-Ethyl-2,2,6-trimethylcyclohexane		154	C11H22	071186-27-1	50
3	Cyclohexane, 1,2-diethyl-1-methyl-		154	C11H22	061141-79-5	46
4	Nonane, 2-methyl-3-methylene-		154	C11H22	055499-08-6	46
5	2-Pentene, 2-methyl-		84	C6H12	000625-27-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

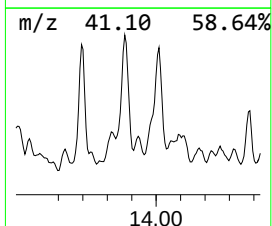
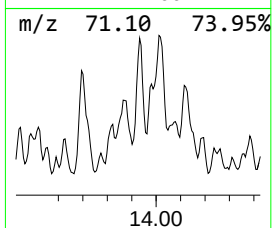
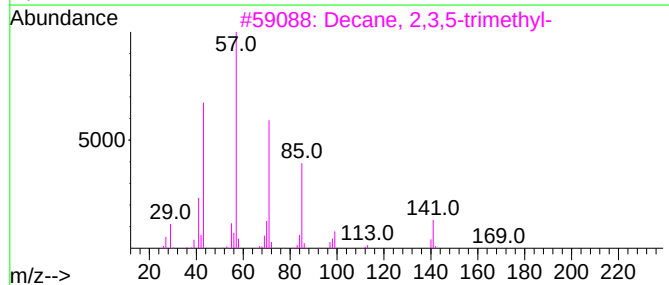
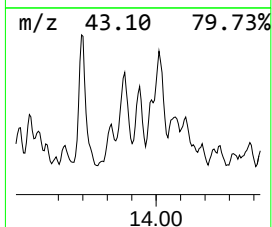
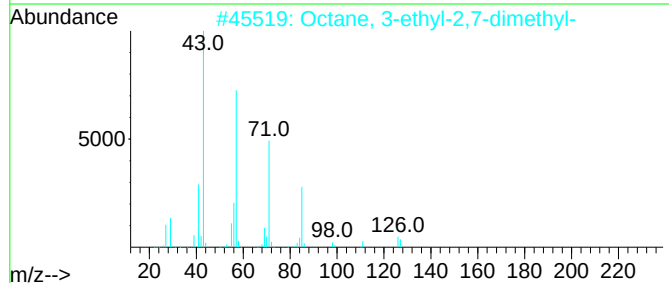
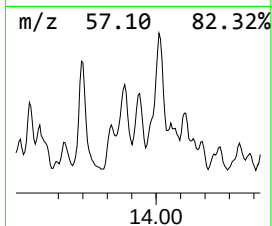
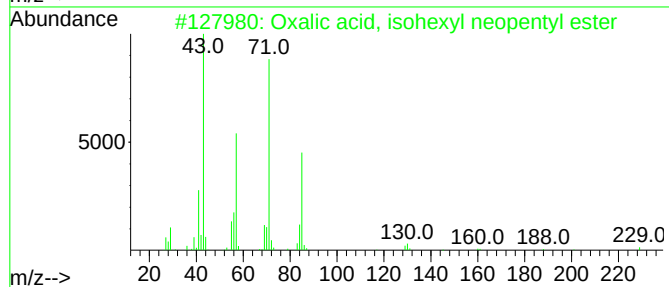
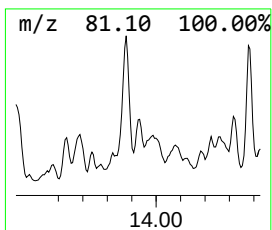
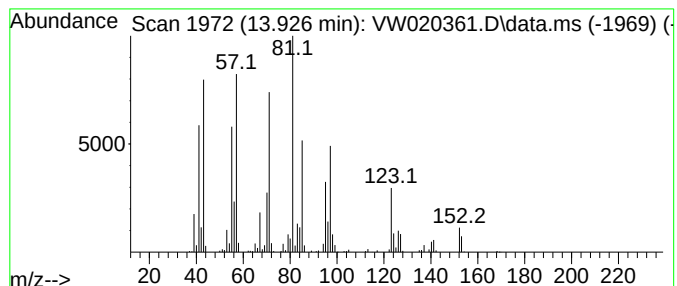
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Quant Title : SFAM01.0

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

Peak Number 33 unknown-04 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.926	4.99 ug/L	191041	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	27
2			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	27
3			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	27
4			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	25
5			trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

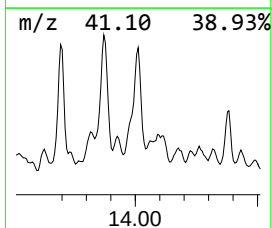
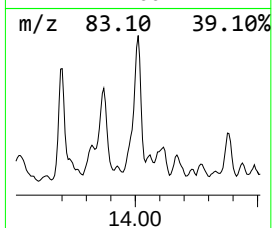
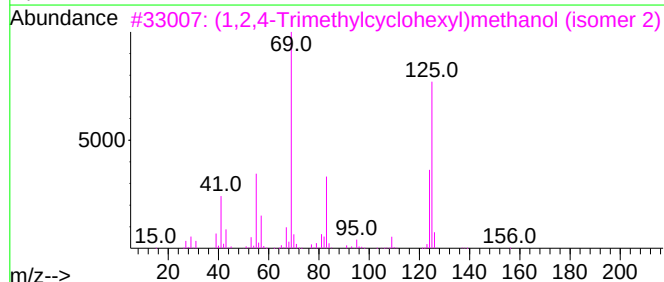
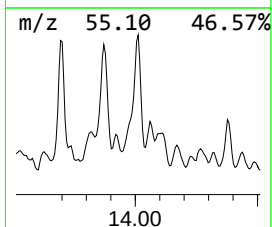
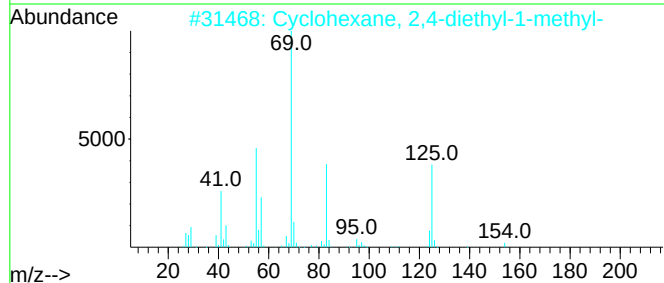
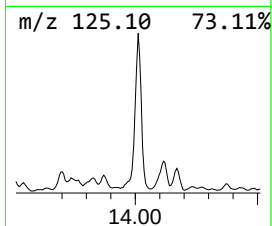
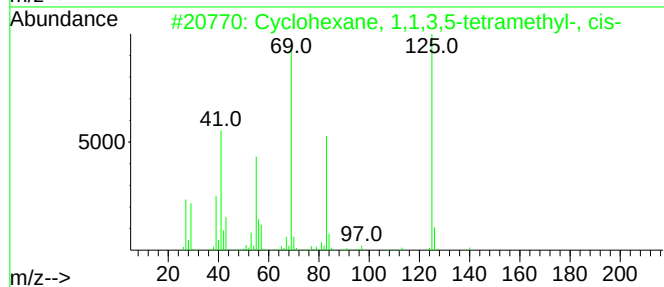
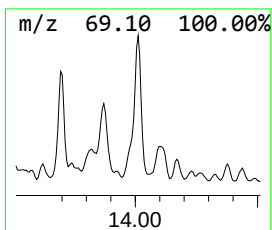
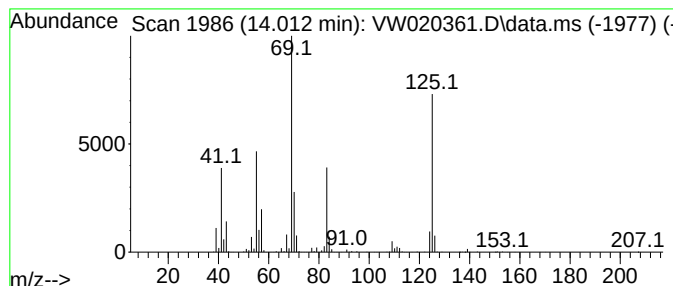
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic14.012 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.012	36.32 ug/L	1391270	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	64
2			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	64
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-03-9	64
4			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-03-8	59
5			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

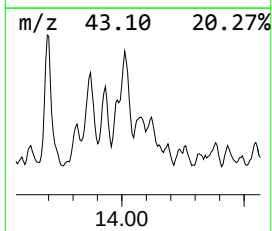
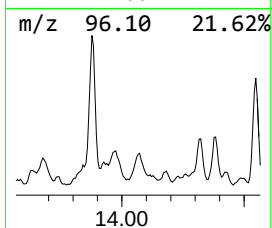
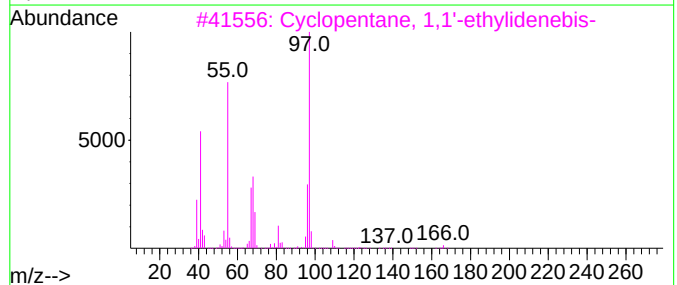
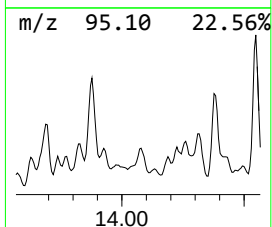
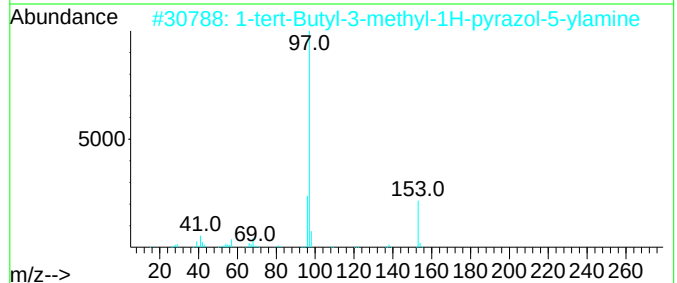
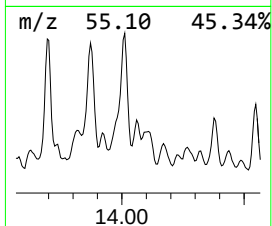
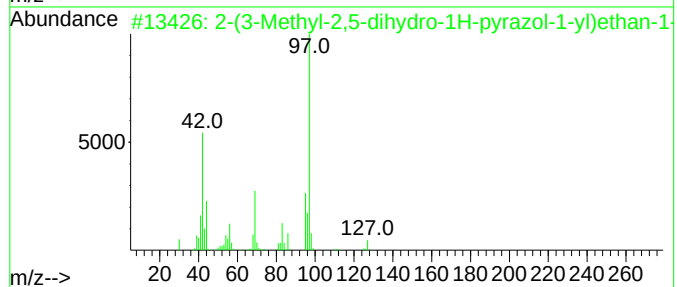
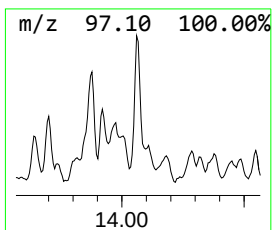
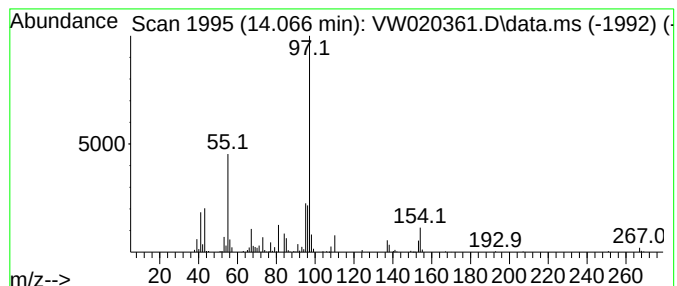
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Quant Title : SFAM01.0

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

Peak Number 35 2-(3-Methyl-2,5-dihydro-1H-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.066	2.07 ug/L	79246	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(3-Methyl-2,5-dihydro-1H-pyrazol...	127	C6H13N3	1000387-20-9	59
2			1-tert-Butyl-3-methyl-1H-pyrazol...	153	C8H15N3	141459-53-2	59
3			Cyclopentane, 1,1'-ethyldienebis-	166	C12H22	004413-21-2	53
4			Cyclopentane, 1,1'-ethyldienebis-	166	C12H22	004413-21-2	53
5			Succinic acid, cyclohexylmethyl ...	310	C18H30O4	1000391-41-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

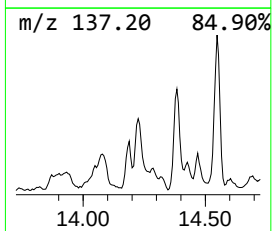
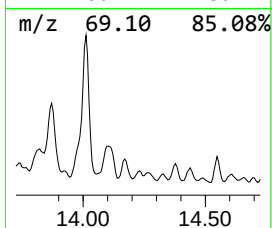
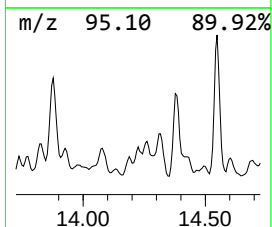
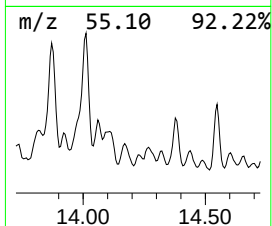
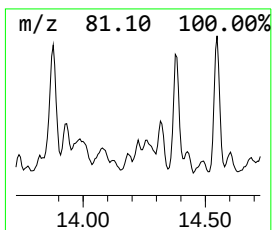
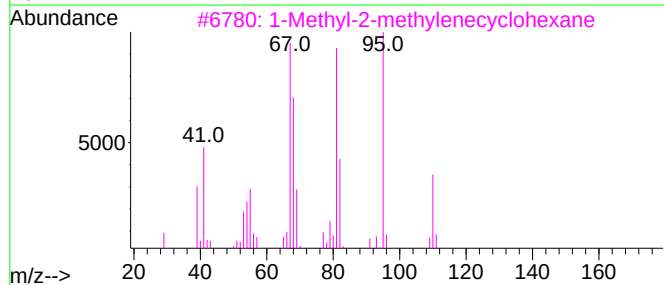
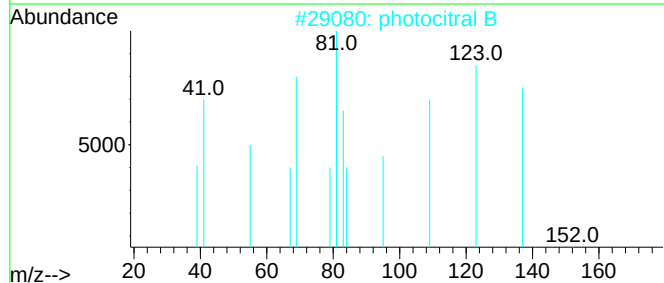
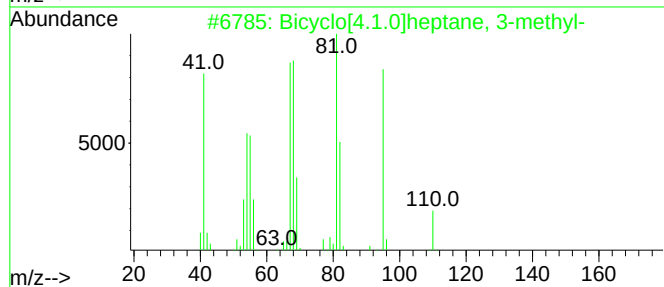
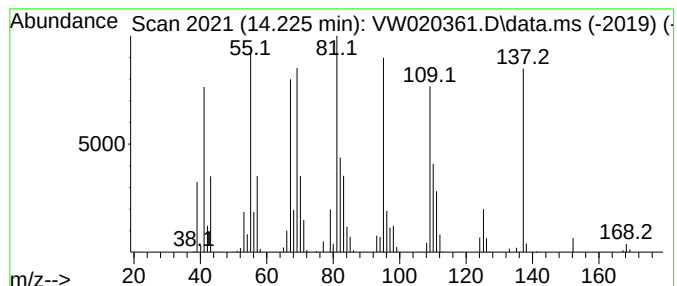
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Quant Title : SFAM01.0

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

Peak Number 36 Bicyclo[4.1.0]heptane, 3-me... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.225	1.97 ug/L	75509	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	50
2			photocitral B	152	C10H16O	006040-45-5	49
3			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	45
4			2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	42
5			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

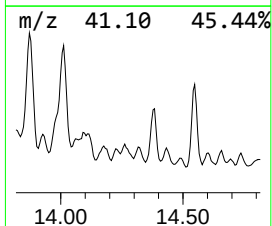
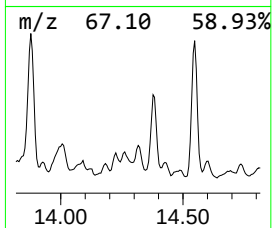
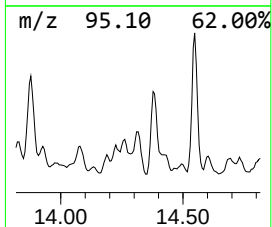
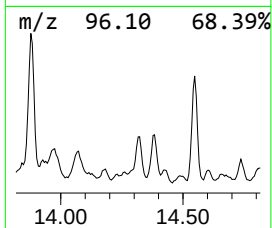
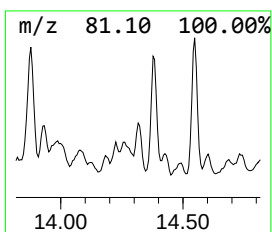
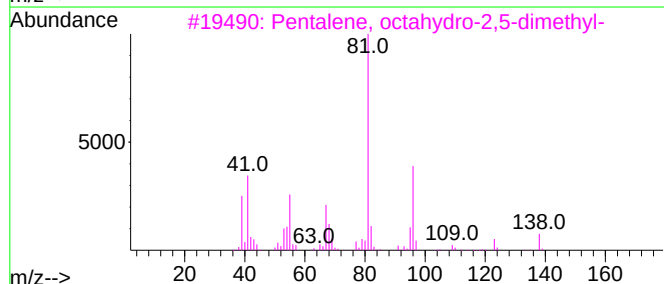
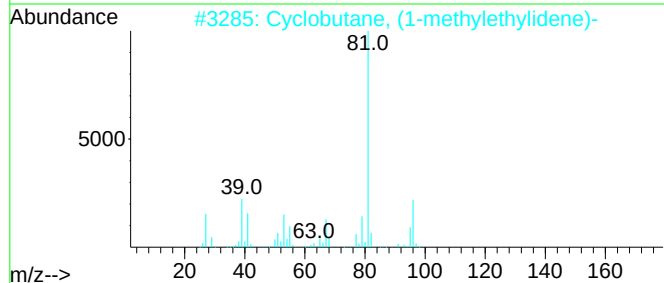
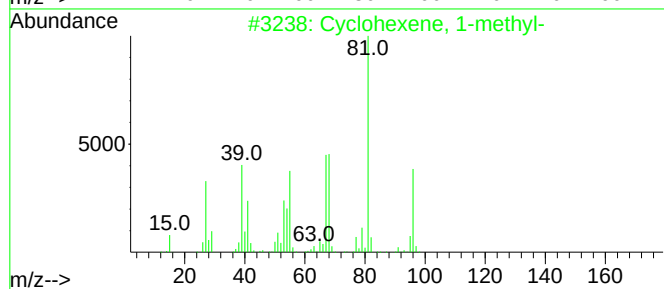
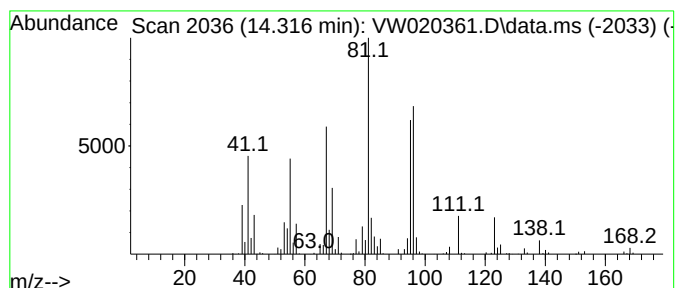
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Quant Title : SFAM01.0

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

Peak Number 37 Cyclohexene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	5.14 ug/L	196896	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
2			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	49
3			Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	46
4			3-Cyclohexen-1-one, 3,5,5-trimet...	138	C9H14O	000471-01-2	46
5			Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

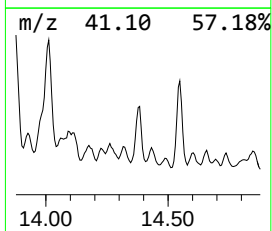
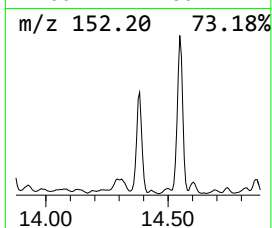
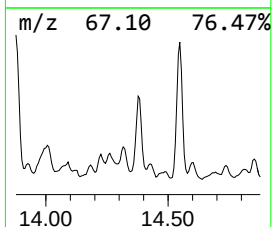
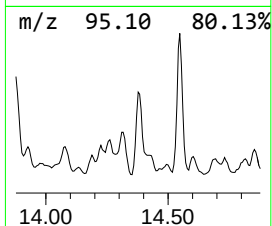
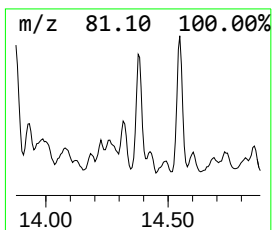
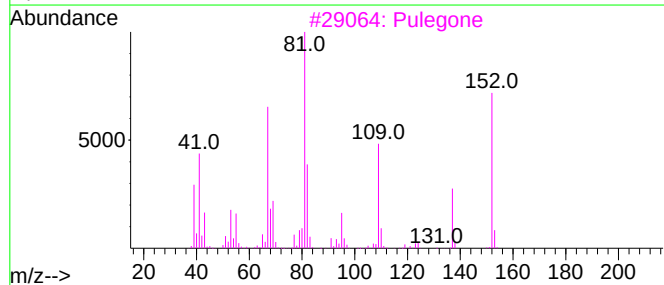
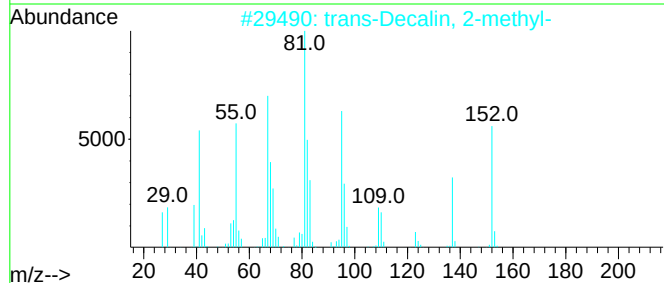
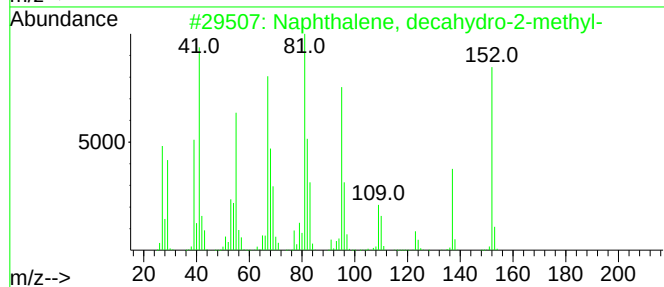
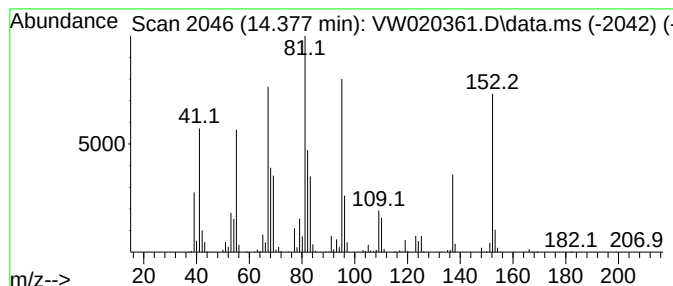
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 38 Naphthalene, decahydro-2-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.377	17.77 ug/L	680577	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	97
2	trans-Decalin, 2-methyl-		152	C11H20	1000152-47-3	95
3	Pulegone		152	C10H16O	000089-82-7	70
4	Camphor		152	C10H16O	000076-22-2	68
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...		152	C10H16O	000464-48-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

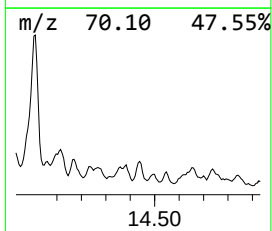
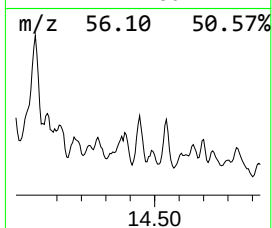
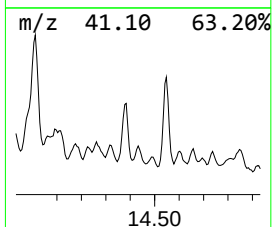
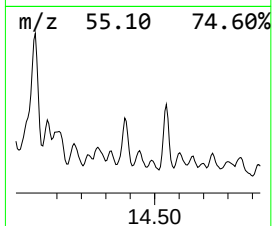
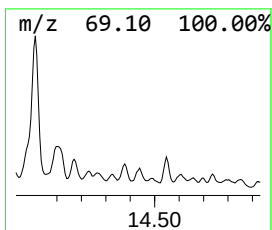
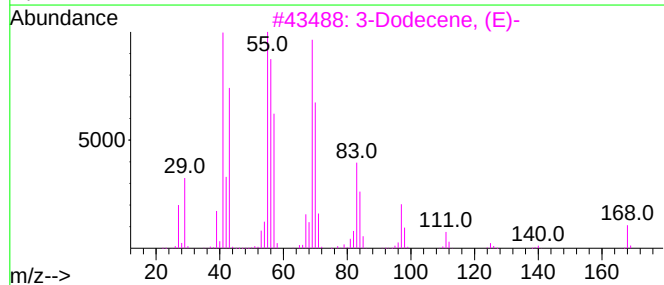
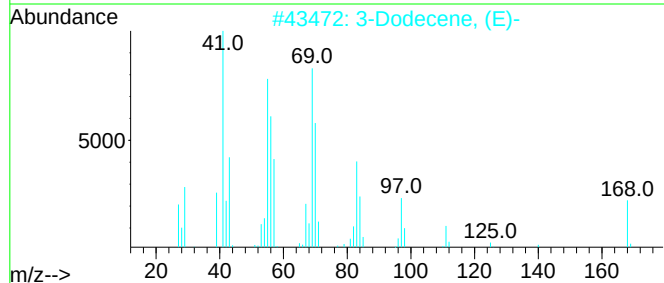
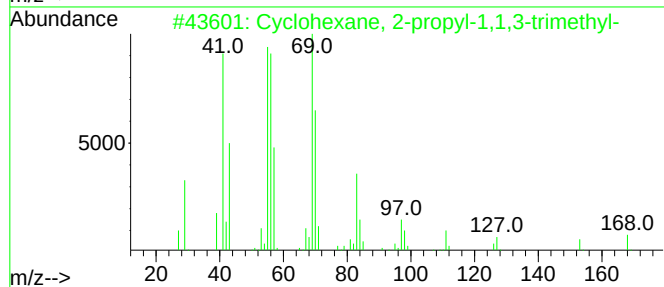
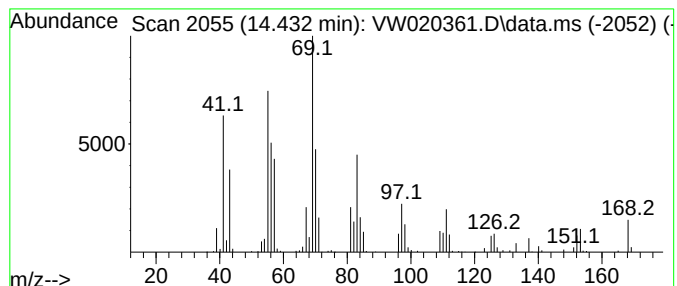
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic14.432 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	4.55 ug/L	174428	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-propyl-1,1,3-trimethyl-	168	C12H24	081983-70-2	90
2			3-Dodecene, (E)-	168	C12H24	007206-14-6	90
3			3-Dodecene, (E)-	168	C12H24	007206-14-6	87
4			6-Dodecene, (Z)-	168	C12H24	007206-29-3	87
5			6-Dodecene, (E)-	168	C12H24	007206-17-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

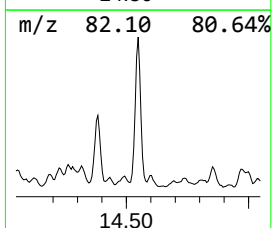
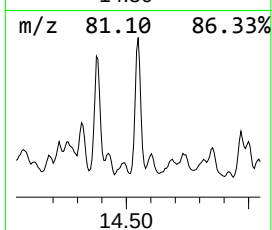
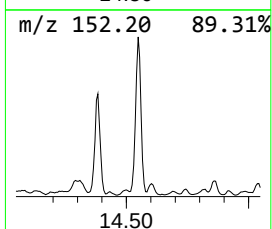
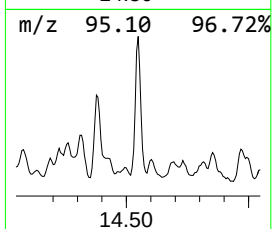
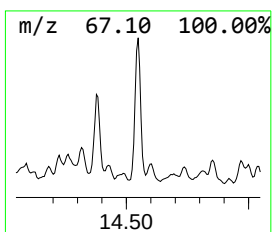
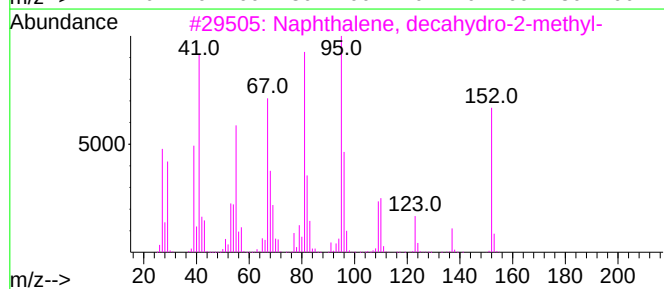
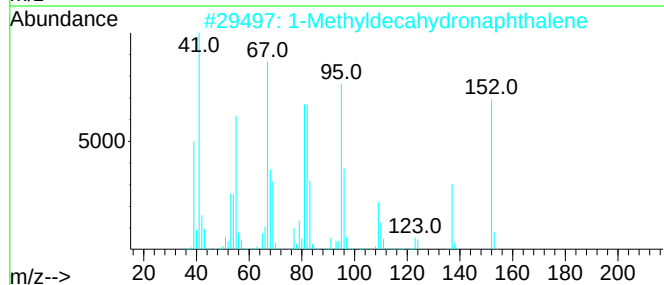
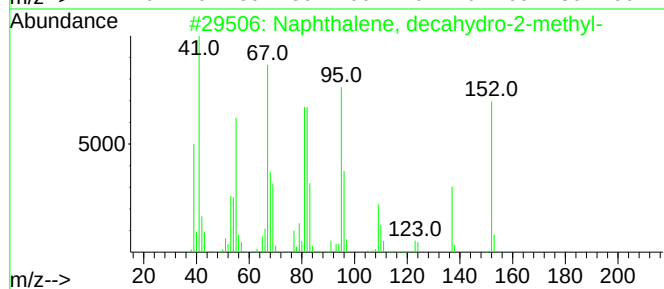
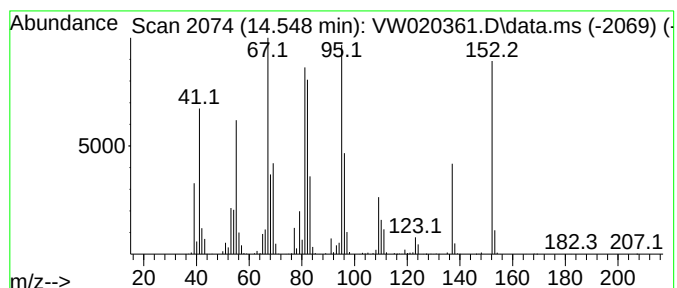
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 40 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.548	27.08 ug/L	1037430	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

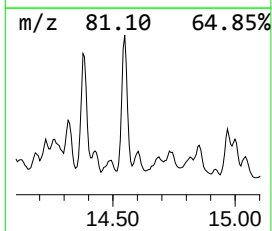
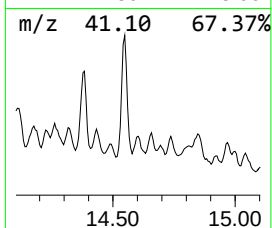
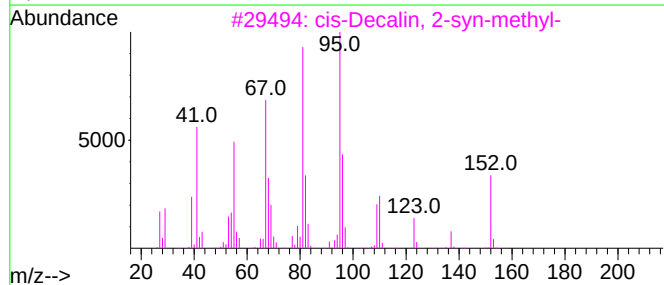
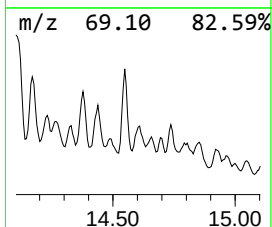
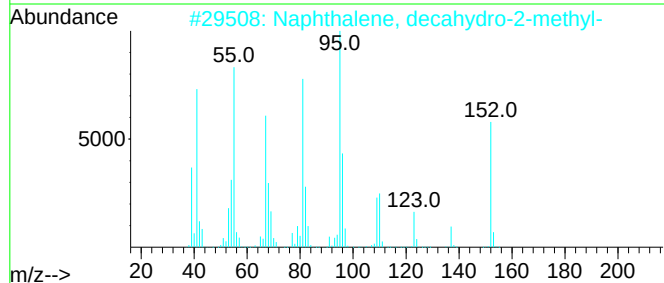
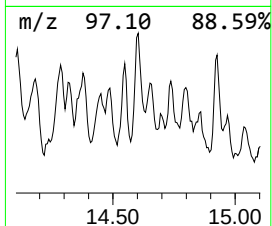
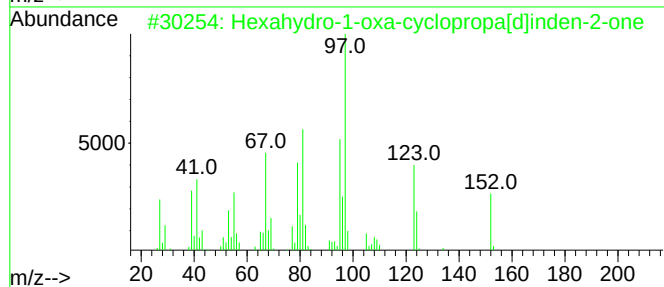
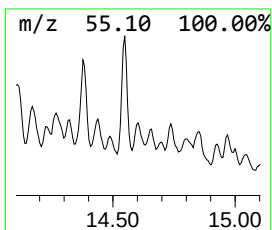
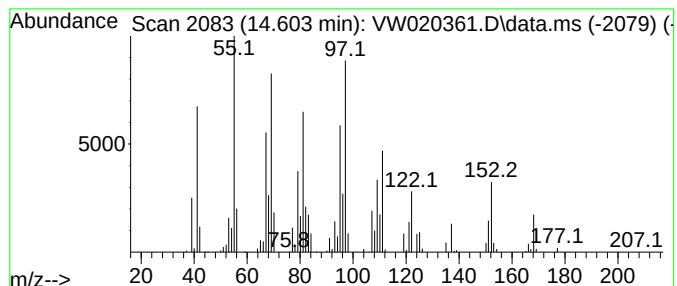
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 41 Hexahydro-1-oxa-cyclopropa[...] Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.603	4.00 ug/L	153235	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexahydro-1-oxa-cyclopropa[d]ind...		152	C9H12O2	037643-23-5	50
2	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	38
3	cis-Decalin, 2-syn-methyl-		152	C11H20	1000155-85-6	38
4	2(1H)-Naphthalenone, octahydro-,...		152	C10H16O	016021-08-2	35
5	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

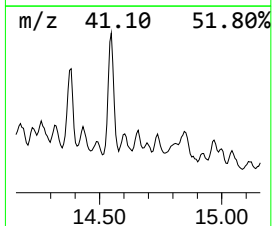
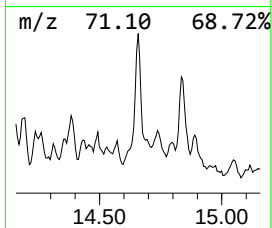
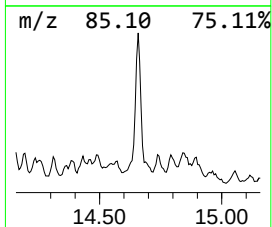
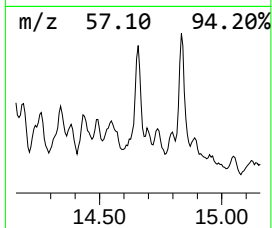
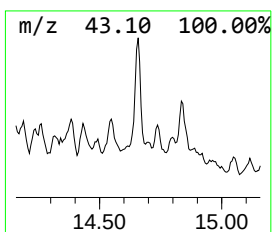
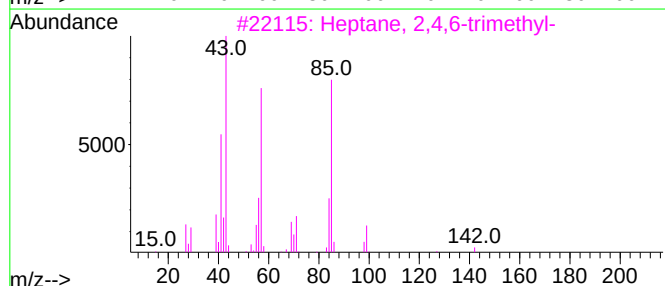
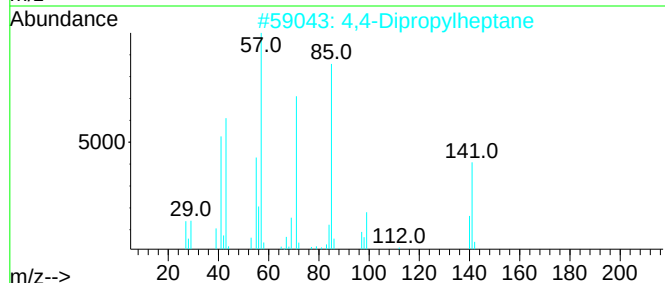
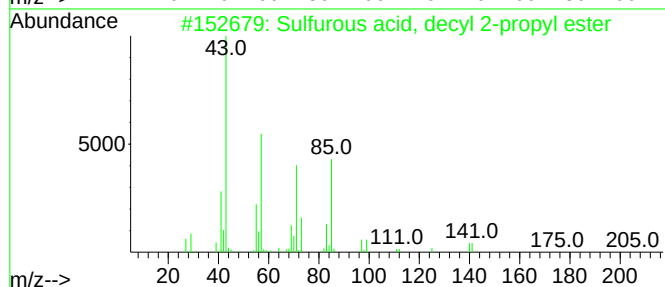
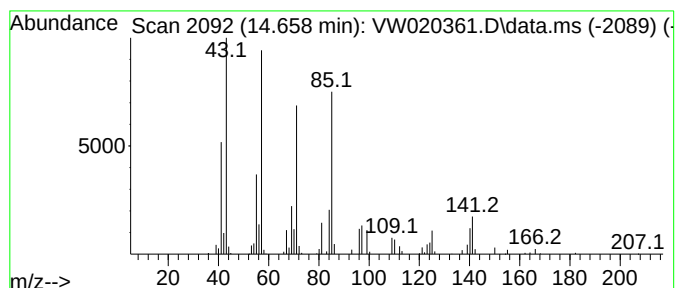
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Quant Title : SFAM01.0

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

Peak Number 42 Sulfurous acid, decyl 2-pro... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.658	2.32 ug/L	88827	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	72
2			4,4-Dipropylheptane	184	C13H28	017312-72-0	64
3			Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	49
4			Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	47
5			6-(3-Methyl)butoxytetrahydro-2H-...	172	C10H20O2	1010432-13-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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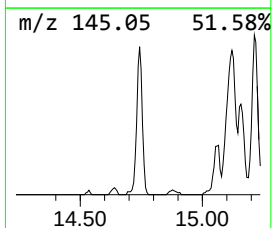
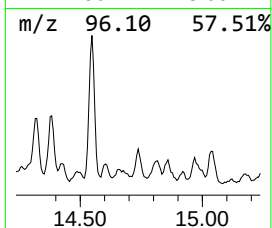
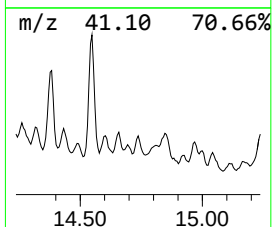
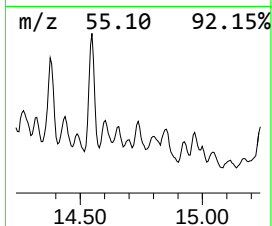
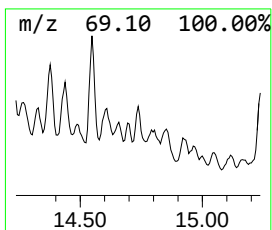
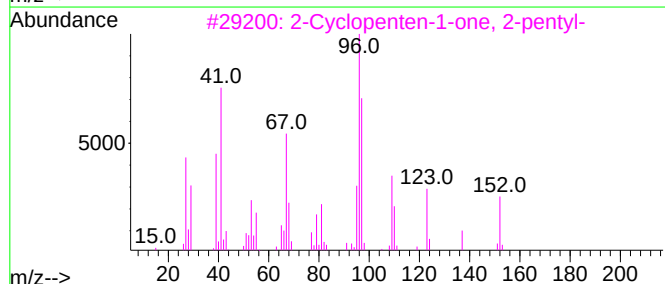
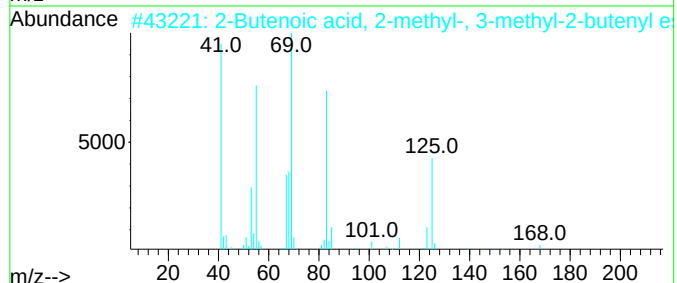
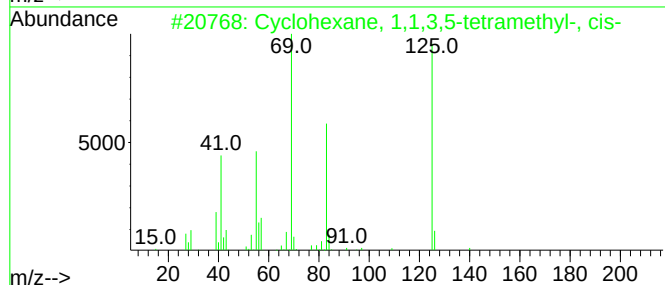
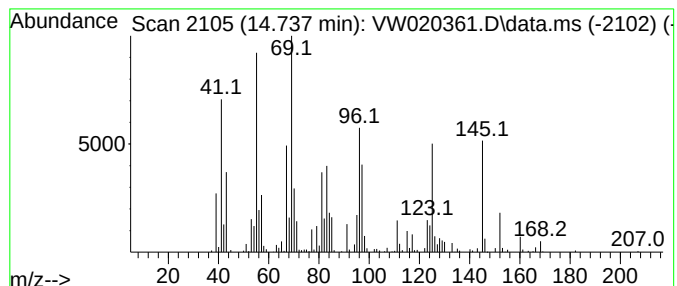
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic14.737 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	3.59 ug/L	137327	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	41
2			2-Butenoic acid, 2-methyl-, 3-me...	168	C10H16O2	083783-86-2	41
3			2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	38
4			1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	35
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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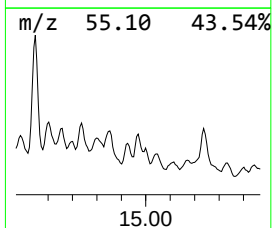
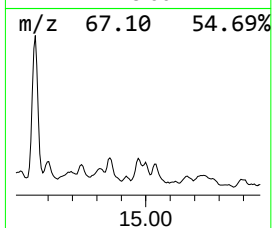
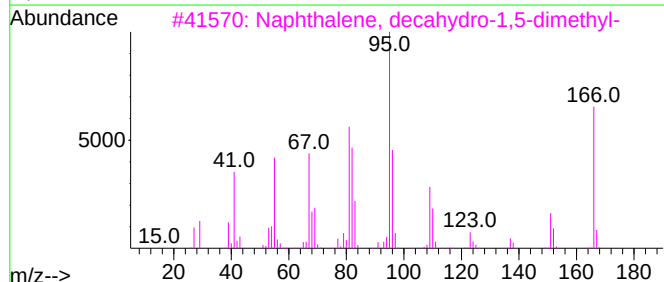
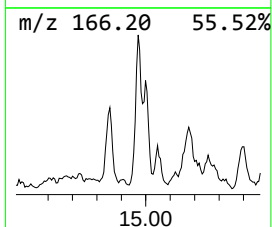
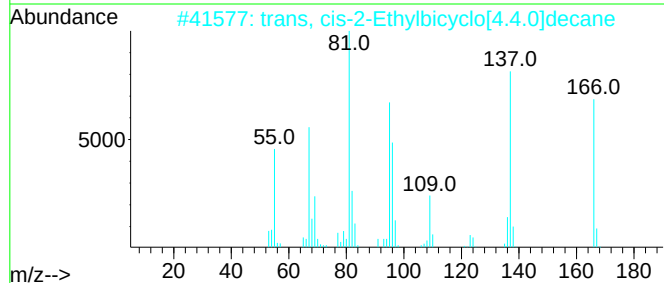
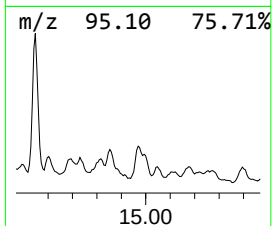
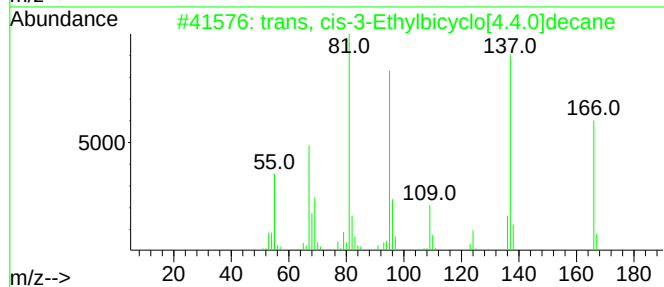
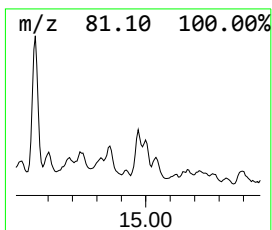
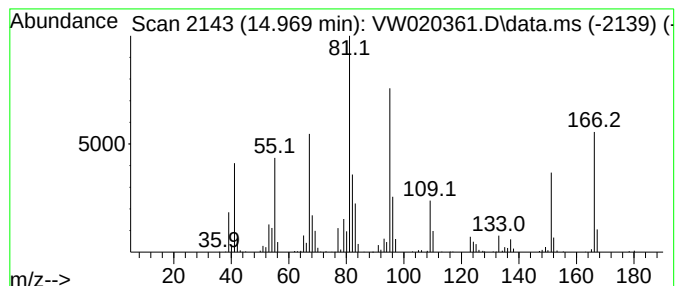
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Quant Title : SFAM01.0

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

Peak Number 44 trans, cis-3-Ethylbicyclo[4... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.969	5.08 ug/L	194463	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	91
2			trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	74
3			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	70
4			6-Tridecane	180	C13H24	042371-66-4	60
5			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

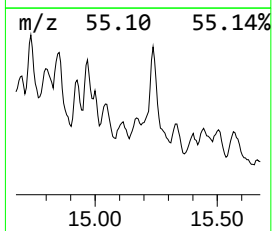
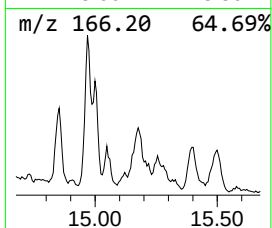
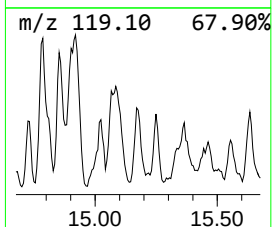
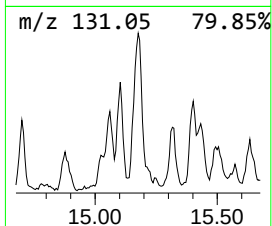
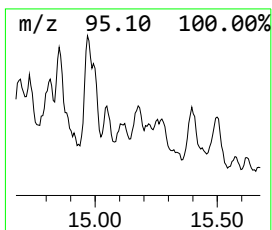
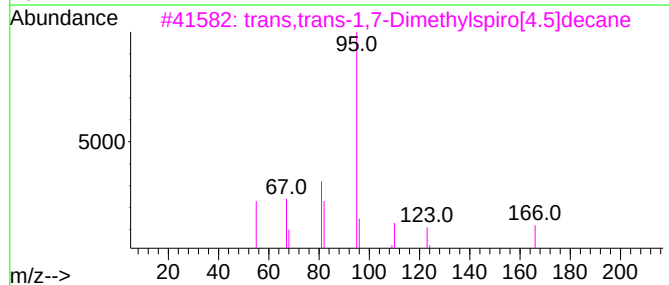
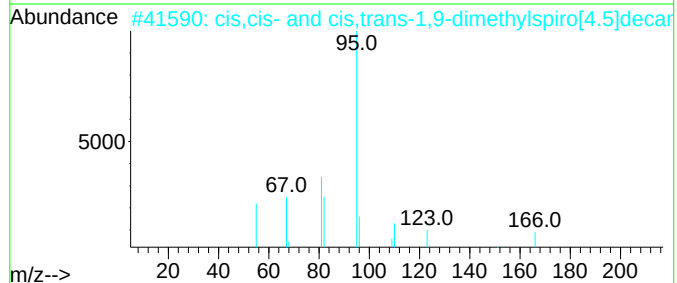
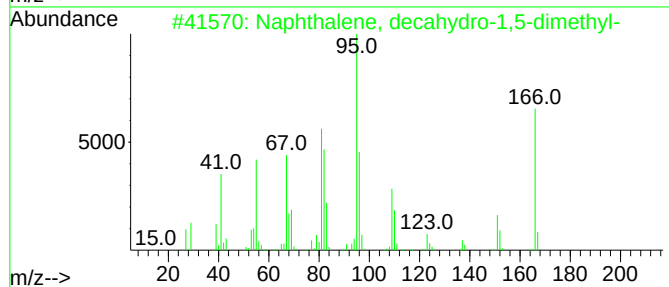
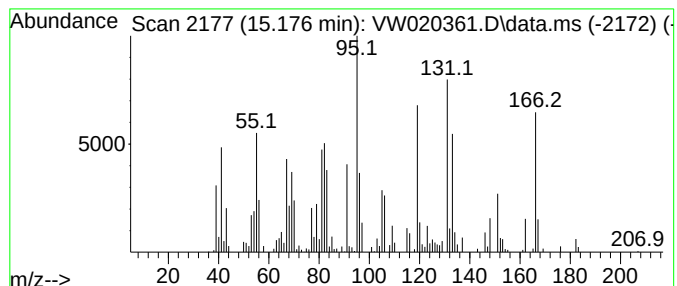
Instrument :
MSVOA_W
ClientSampleId :
EW920

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Quant Title : SFAM01.0

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

Peak Number 45 Naphthalene, decahydro-1,5-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.176	2.98 ug/L	114228	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,5-dimet...		166	C12H22	066552-62-3	55
2	cis,cis- and cis,trans-1,9-dimet...		166	C12H22	1000111-72-5	35
3	trans,trans-1,7-Dimethylspiro[4...		166	C12H22	1000111-72-6	35
4	cis,trans-1,6-Dimethylspiro[4.5]...		166	C12H22	1000111-72-3	30
5	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

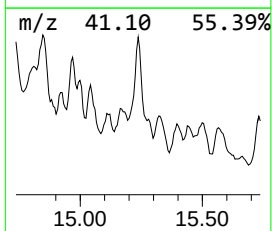
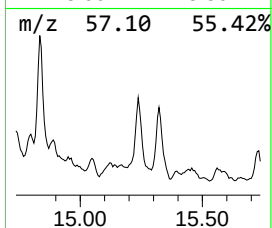
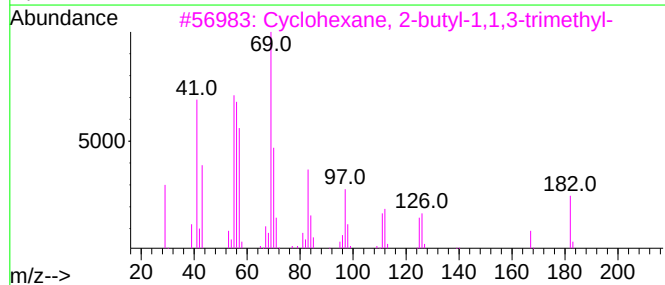
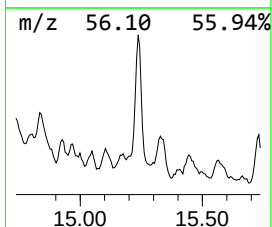
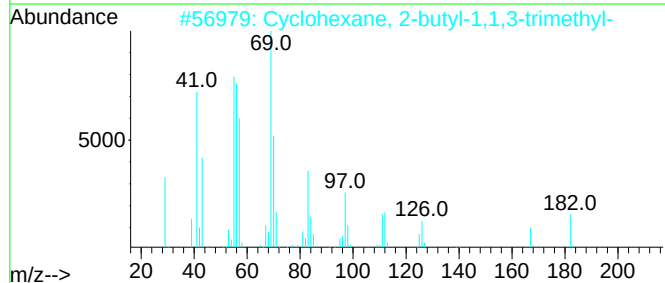
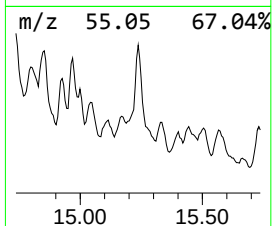
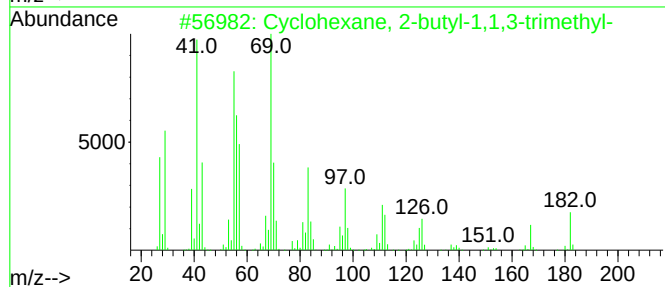
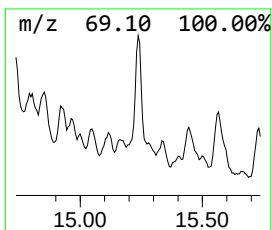
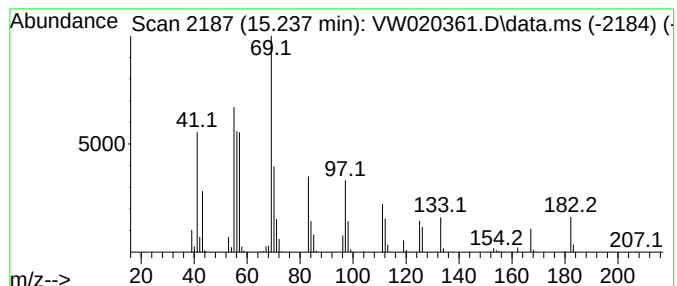
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Cyclic15.237 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.237	8.62 ug/L	330210	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	98
2			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	96
3			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
4			1-Octanesulfonyl chloride	212	C8H17ClO2S	007795-95-1	50
5			Cyclopentane, propyl-	112	C8H16	002040-96-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

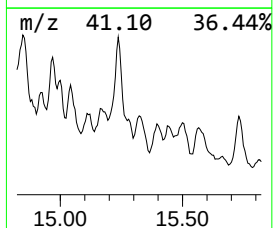
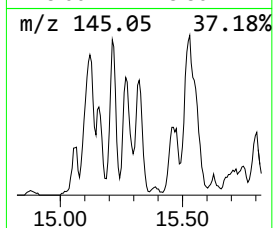
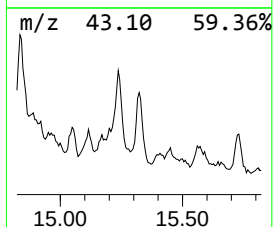
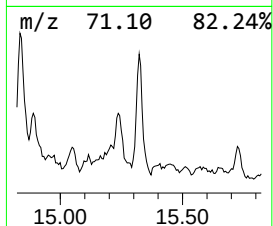
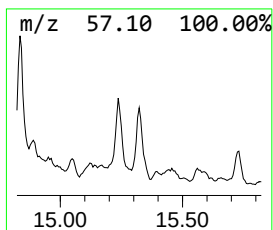
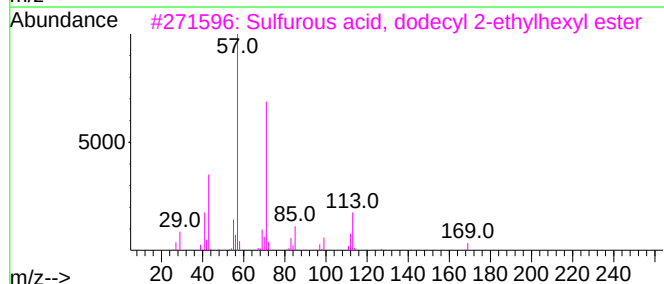
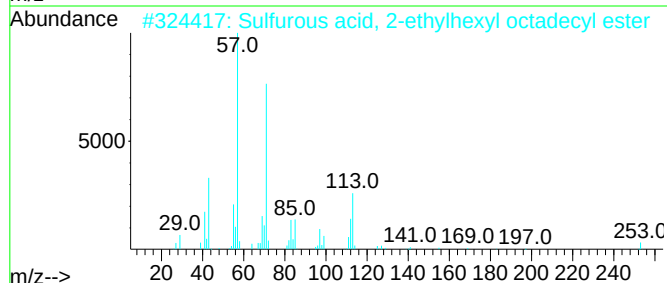
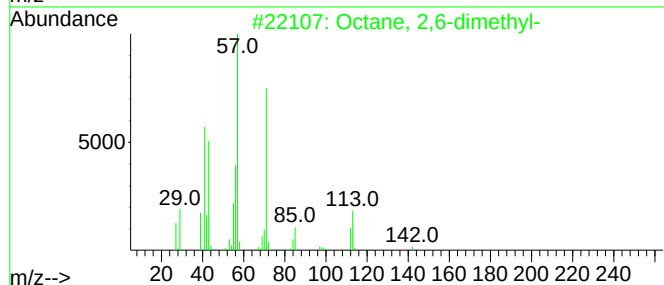
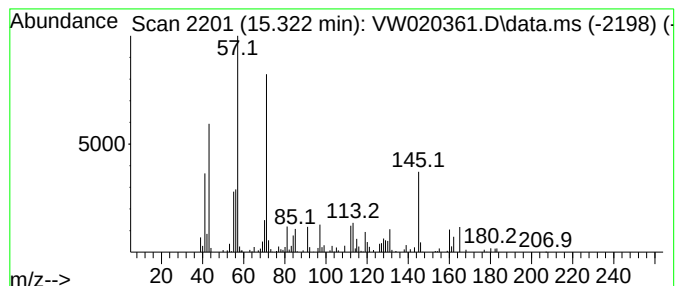
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	3.74 ug/L	143153	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
2			Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	47
3			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	47
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5			Decane, 4-methyl-	156	C11H24	002847-72-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

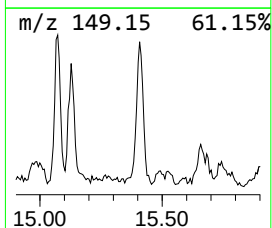
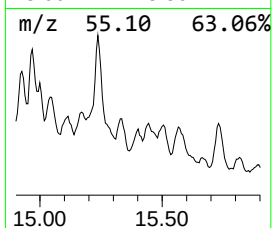
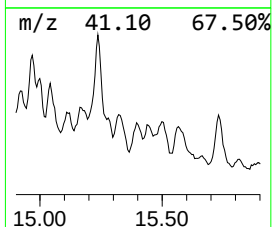
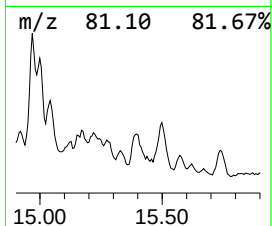
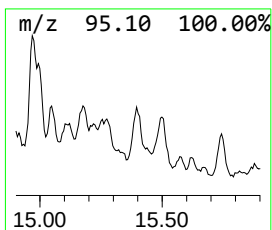
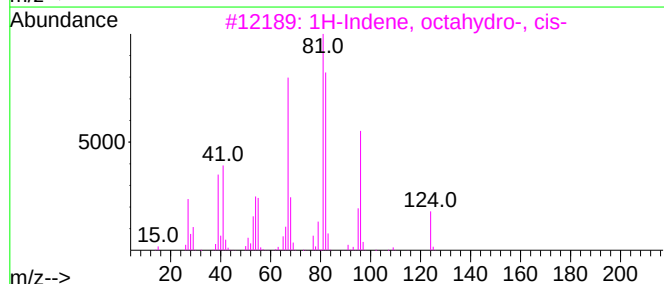
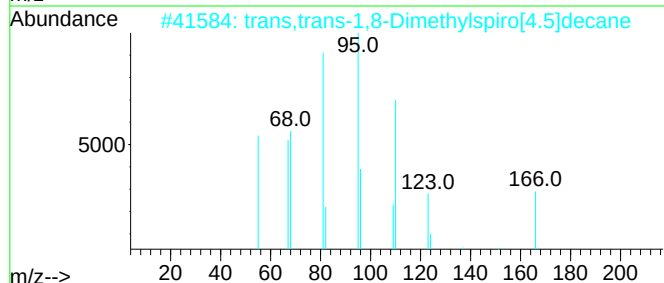
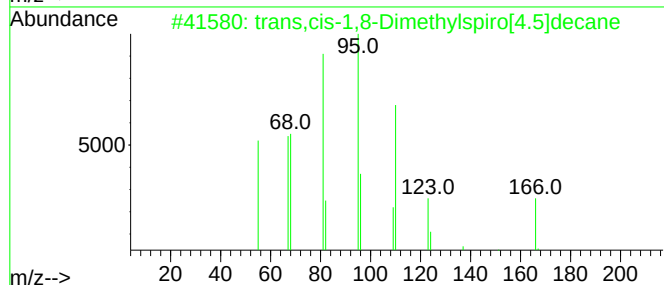
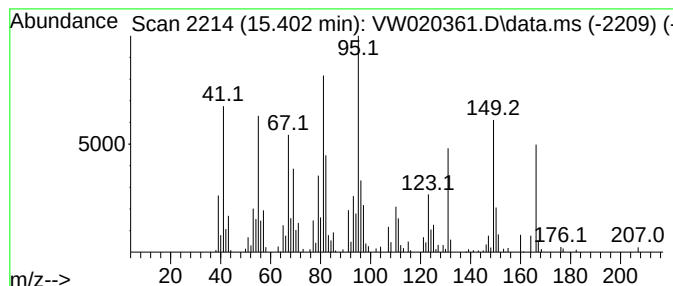
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Quant Title : SFAM01.0

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

Peak Number 48 unknown-05 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.402	2.59 ug/L	99103	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	49
2			trans,trans-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-8	49
3			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	35
4			cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	27
5			2-((3,3-Dimethyloxiran-2-yl)meth...	166	C10H14O2	092356-06-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

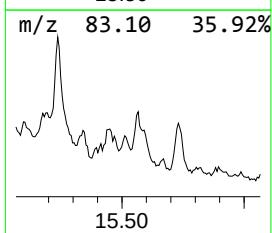
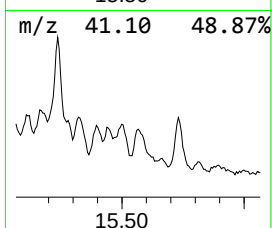
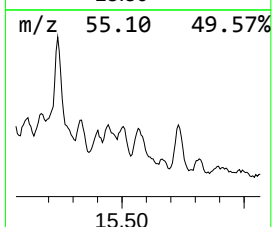
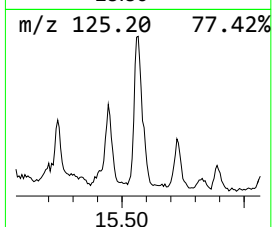
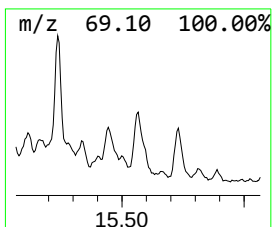
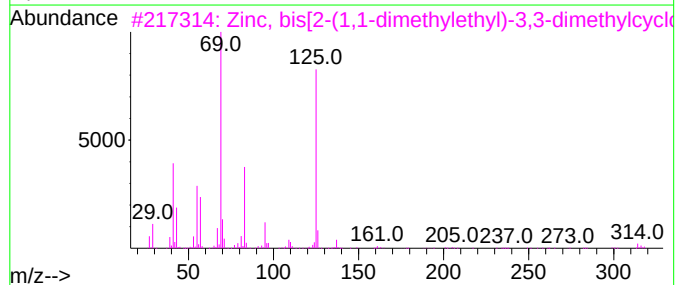
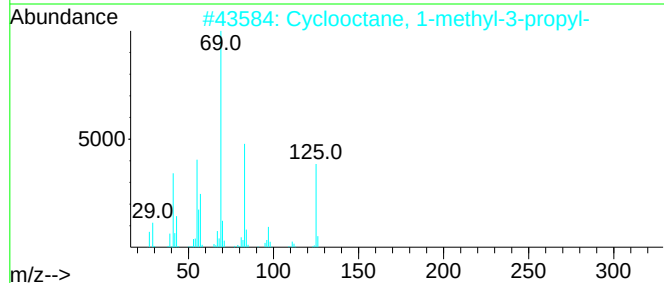
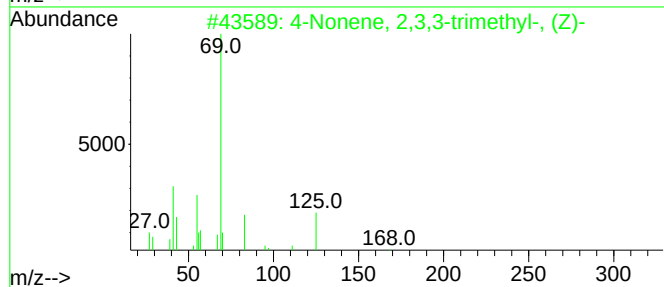
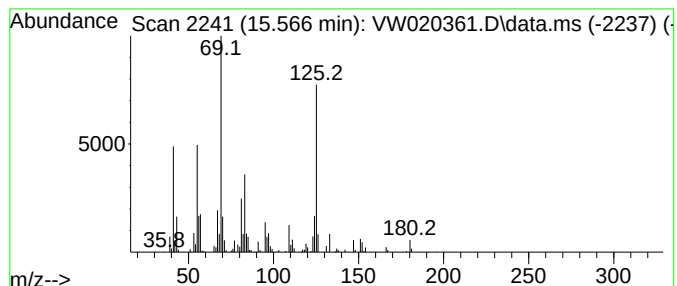
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.566	3.23 ug/L	123677	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	72
2		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	64
3		Zinc, bis[2-(1,1-dimethylethyl)-...]	314	C18H34Zn	074793-36-5	64
4		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
5		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020361.D
Acq On : 07 Oct 2021 12:52
Operator : SY/VA
Sample : M4001-07
Misc : 6.99g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

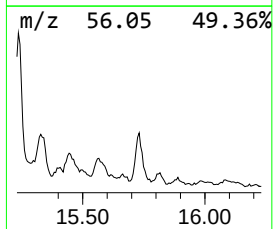
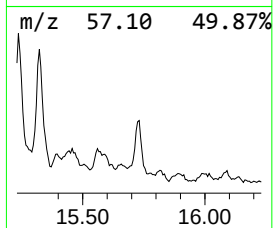
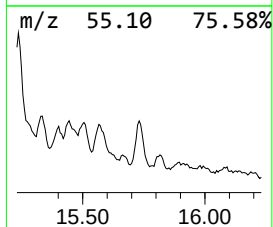
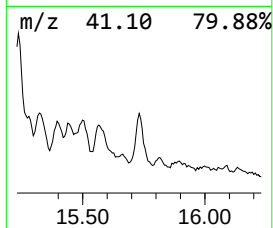
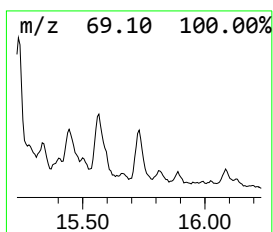
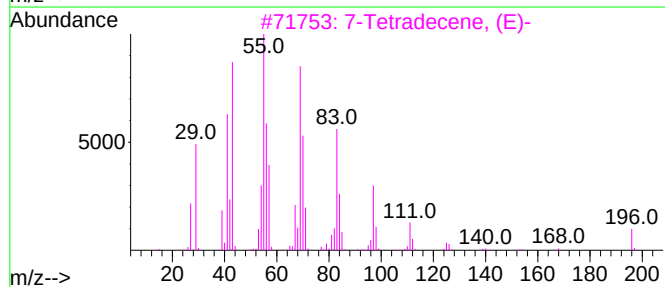
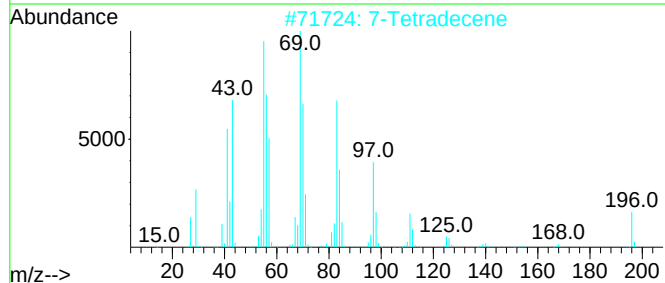
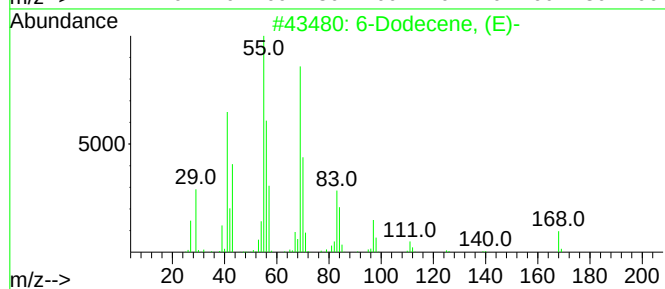
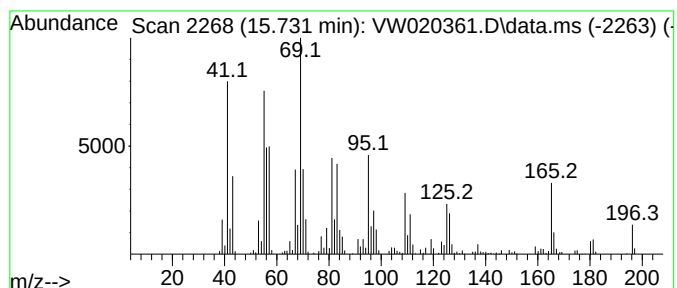
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 50 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.731	4.61 ug/L	176668	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	6-Dodecene, (E)-		168	C12H24	007206-17-9	55
2	7-Tetradecene		196	C14H28	010374-74-0	52
3	7-Tetradecene, (E)-		196	C14H28	041446-63-3	50
4	6-Dodecene, (E)-		168	C12H24	007206-17-9	49
5	1,6-Heptadiene, 2,5,5-trimethyl-		138	C10H18	062238-28-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020361.D
 Acq On : 07 Oct 2021 12:52
 Operator : SY/VA
 Sample : M4001-07
 Misc : 6.99g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW920

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: C...	9.750	2.3	ug/L	67187	1	8.842	741868	25.0
(DEL) Alkane: C...	10.665	2.0	ug/L	73644	2	11.634	908459	25.0
(DEL) Alkane: C...	11.232	8.6	ug/L	311332	2	11.634	908459	25.0
(DEL) Alkane: C...	11.286	1.4	ug/L	50916	2	11.634	908459	25.0
(DEL) Alkane: C...	11.329	3.5	ug/L	127210	2	11.634	908459	25.0
(DEL) Alkane: C...	11.439	5.2	ug/L	187058	2	11.634	908459	25.0
(DEL) Alkane: C...	11.768	4.8	ug/L	175697	2	11.634	908459	25.0
(DEL) Alkane: C...	11.823	3.3	ug/L	119687	2	11.634	908459	25.0
(DEL) Alkane: C...	11.896	9.2	ug/L	332851	2	11.634	908459	25.0
(DEL) Alkane: S...	11.975	7.1	ug/L	258123	2	11.634	908459	25.0
Pentalene, octa...	12.036	2.7	ug/L	99587	2	11.634	908459	25.0
(DEL) Alkane: S...	12.140	16.8	ug/L	611599	2	11.634	908459	25.0
(DEL) Alkane: C...	12.231	7.9	ug/L	285887	2	11.634	908459	25.0
(DEL) Alkane: S...	12.359	45.7	ug/L	1659650	2	11.634	908459	25.0
(DEL) Alkane: C...	12.451	7.6	ug/L	275256	2	11.634	908459	25.0
Cyclohexene, 4-...	12.560	2.0	ug/L	70892	2	11.634	908459	25.0
Cyclohexanone, ...	12.615	3.3	ug/L	126464	3	13.560	957630	25.0
(DEL) Alkane: C...	12.780	66.9	ug/L	2562850	3	13.560	957630	25.0
unknown-01	12.859	18.6	ug/L	712753	3	13.560	957630	25.0
(DEL) Alkane: C...	12.951	43.0	ug/L	1645820	3	13.560	957630	25.0
Ethanone, 1-(1-...	13.042	3.1	ug/L	118041	3	13.560	957630	25.0
(DEL) Alkane: C...	13.079	14.8	ug/L	567143	3	13.560	957630	25.0
(DEL) Alkane: C...	13.121	3.7	ug/L	141803	3	13.560	957630	25.0
(DEL) Alkane: S...	13.188	19.1	ug/L	731178	3	13.560	957630	25.0
unknown-02	13.262	9.2	ug/L	351123	3	13.560	957630	25.0
unknown-03	13.292	19.7	ug/L	756295	3	13.560	957630	25.0
(DEL) Alkane: S...	13.378	7.9	ug/L	303542	3	13.560	957630	25.0
Bicyclo[3.1.1]h...	13.432	18.2	ug/L	696214	3	13.560	957630	25.0
(DEL) Alkane: C...	13.481	5.2	ug/L	197235	3	13.560	957630	25.0
Bicyclo[3.1.0]h...	13.627	7.7	ug/L	296051	3	13.560	957630	25.0
(DEL) Alkane: S...	13.695	31.4	ug/L	1204130	3	13.560	957630	25.0
unknown-04	13.926	5.0	ug/L	191041	3	13.560	957630	25.0
(DEL) Alkane: C...	14.012	36.3	ug/L	1391270	3	13.560	957630	25.0
2-(3-Methyl-2,5...	14.066	2.1	ug/L	79246	3	13.560	957630	25.0
Bicyclo[4.1.0]h...	14.225	2.0	ug/L	75509	3	13.560	957630	25.0
Cyclohexene, 1-...	14.316	5.1	ug/L	196896	3	13.560	957630	25.0
Naphthalene, de...	14.377	17.8	ug/L	680577	3	13.560	957630	25.0
(DEL) Alkane: C...	14.432	4.5	ug/L	174428	3	13.560	957630	25.0
1-Methyldecahyd...	14.548	27.1	ug/L	1037430	3	13.560	957630	25.0
Hexahydro-1-oxa...	14.603	4.0	ug/L	153235	3	13.560	957630	25.0
Sulfurous acid,...	14.658	2.3	ug/L	88827	3	13.560	957630	25.0
(DEL) Alkane: C...	14.737	3.6	ug/L	137327	3	13.560	957630	25.0
trans, cis-3-Et...	14.969	5.1	ug/L	194463	3	13.560	957630	25.0
Naphthalene, de...	15.176	3.0	ug/L	114228	3	13.560	957630	25.0
(DEL) Alkane: C...	15.237	8.6	ug/L	330210	3	13.560	957630	25.0
(DEL) Alkane: S...	15.322	3.7	ug/L	143153	3	13.560	957630	25.0
unknown-05	15.402	2.6	ug/L	99103	3	13.560	957630	25.0
(DEL) Alkane: S...	15.566	3.2	ug/L	123677	3	13.560	957630	25.0
(DEL) Alkane: S...	15.731	4.6	ug/L	176668	3	13.560	957630	25.0