

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020324.D
 Acq On : 06 Oct 2021 19:47
 Operator : SY/VA
 Sample : M4001-08
 Misc : 6.21g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW921

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: VW020324.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	5	9	21	rVB2	25256	45564	4.76%	0.276%
2	2.349	65	73	82	rVB	82587	134901	14.10%	0.817%
3	2.879	153	160	171	rVB	36907	74878	7.83%	0.454%
4	4.019	334	347	361	rBV2	96633	295140	30.84%	1.789%
5	4.916	483	494	505	rBV2	10791	38441	4.02%	0.233%
6	6.220	696	708	718	rVB2	5834	16853	1.76%	0.102%
7	7.086	842	850	856	rBV	5898	16395	1.71%	0.099%
8	7.165	856	863	875	rVB3	19185	53705	5.61%	0.325%
9	7.647	932	942	960	rBV	185683	459144	47.98%	2.782%
10	7.872	970	979	988	rBV	53057	132741	13.87%	0.804%
11	8.275	1031	1045	1060	rBV2	305356	956903	100.00%	5.799%
12	8.403	1060	1066	1078	rVB6	4552	14885	1.56%	0.090%
13	8.573	1089	1094	1108	rVB6	5053	15085	1.58%	0.091%
14	8.842	1130	1138	1152	rBV	285572	573119	59.89%	3.473%
15	9.092	1170	1179	1195	rVB	471614	934383	97.65%	5.662%
16	9.275	1200	1209	1217	rBV	259287	530995	55.49%	3.218%
17	9.610	1254	1264	1270	rBV	11236	22815	2.38%	0.138%
18	9.750	1280	1287	1296	rVB2	17102	33548	3.51%	0.203%
19	10.037	1328	1334	1339	rVV	60660	106441	11.12%	0.645%
20	10.085	1339	1342	1347	rVV3	7510	13737	1.44%	0.083%
21	10.213	1357	1363	1373	rBV7	5009	12788	1.34%	0.077%
22	10.323	1373	1381	1388	rBV	348794	623107	65.12%	3.776%
23	10.390	1388	1392	1398	rVB	23071	40376	4.22%	0.245%
24	10.506	1403	1411	1417	rVB3	14832	37970	3.97%	0.230%
25	10.579	1417	1423	1427	rBV	42925	75607	7.90%	0.458%
26	10.622	1427	1430	1433	rVV	13700	20976	2.19%	0.127%
27	10.665	1433	1437	1447	rVB2	28826	53877	5.63%	0.326%
28	10.762	1447	1453	1457	rBV5	9674	18729	1.96%	0.113%
29	10.860	1464	1469	1474	rBV2	31211	54919	5.74%	0.333%
30	10.927	1474	1480	1488	rVB3	30502	62839	6.57%	0.381%
31	11.030	1488	1497	1501	rBV5	6713	18705	1.95%	0.113%
32	11.110	1506	1510	1513	rBV	10993	18598	1.94%	0.113%
33	11.177	1518	1521	1524	rVB	11506	12785	1.34%	0.077%
34	11.232	1524	1530	1535	rVB	109955	189635	19.82%	1.149%
35	11.286	1535	1539	1542	rBV2	10731	13434	1.40%	0.081%
36	11.329	1542	1546	1551	rVB3	37411	62756	6.56%	0.380%

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

37	11.378	1551	1554	1558	rBV2	8936	14440	1.51%	0.088%
38	11.433	1558	1563	1571	rVB	57230	110914	11.59%	0.672%
39	11.512	1571	1576	1580	rBV2	14298	24657	2.58%	0.149%
40	11.628	1589	1595	1605	rBV	282854	513559	53.67%	3.112%
41	11.768	1613	1618	1621	rBV	44988	67759	7.08%	0.411%
42	11.811	1621	1625	1630	rBV5	24857	48121	5.03%	0.292%
43	11.872	1630	1635	1639	rBV	64651	120960	12.64%	0.733%
44	11.975	1647	1652	1658	rBV2	35555	71843	7.51%	0.435%
45	12.036	1658	1662	1670	rVB4	22711	52333	5.47%	0.317%
46	12.140	1670	1679	1686	rBV3	152318	366111	38.26%	2.219%
47	12.225	1689	1693	1695	rBV2	30041	42303	4.42%	0.256%
48	12.298	1701	1705	1707	rBV3	41731	64494	6.74%	0.391%
49	12.359	1707	1715	1722	rVV3	185462	595018	62.18%	3.606%
50	12.451	1727	1730	1736	rVB7	32282	64476	6.74%	0.391%
51	12.615	1752	1757	1761	rBV3	33900	56622	5.92%	0.343%
52	12.695	1763	1770	1775	rBV	212066	405176	42.34%	2.455%
53	12.780	1778	1784	1790	rVB	460948	811374	84.79%	4.917%
54	12.859	1790	1797	1802	rBV5	115242	291846	30.50%	1.769%
55	12.939	1802	1810	1816	rBV6	181287	478962	50.05%	2.902%
56	13.048	1823	1828	1829	rBV4	21030	32053	3.35%	0.194%
57	13.079	1829	1833	1837	rVV	92434	137582	14.38%	0.834%
58	13.121	1837	1840	1843	rVB	34947	43213	4.52%	0.262%
59	13.170	1843	1848	1858	rVB7	114969	309510	32.34%	1.876%
60	13.262	1858	1863	1865	rBV3	68476	114942	12.01%	0.697%
61	13.292	1865	1868	1871	rVV3	24451	34242	3.58%	0.208%
62	13.377	1879	1882	1885	rBV3	42840	55972	5.85%	0.339%
63	13.438	1886	1892	1896	rVV5	125356	283220	29.60%	1.716%
64	13.481	1896	1899	1904	rVB3	59327	84134	8.79%	0.510%
65	13.554	1906	1911	1919	rVB	153467	281012	29.37%	1.703%
66	13.627	1919	1923	1927	rBV4	45060	78995	8.26%	0.479%
67	13.695	1927	1934	1939	rBV5	130163	260024	27.17%	1.576%
68	13.743	1939	1942	1945	rVB3	43660	55436	5.79%	0.336%
69	13.786	1945	1949	1953	rBV	60373	87089	9.10%	0.528%
70	13.877	1955	1964	1970	rVB3	431000	908959	94.99%	5.508%
71	14.012	1982	1986	1990	rVB	74072	98089	10.25%	0.594%
72	14.091	1995	1999	2008	rVB4	108243	228412	23.87%	1.384%
73	14.201	2010	2017	2022	rBV3	203175	406463	42.48%	2.463%
74	14.249	2022	2025	2028	rBV	52444	80134	8.37%	0.486%
75	14.322	2033	2037	2042	rVB5	44981	81184	8.48%	0.492%
76	14.383	2042	2047	2051	rBV2	162653	238825	24.96%	1.447%

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 Title : SFAM01.0

77	14.457	2055	2059	2062	rVB	110532	150346	15.71%	0.911%
78	14.499	2062	2066	2069	rBV	99203	122258	12.78%	0.741%
79	14.542	2069	2073	2080	rVB3	217047	399910	41.79%	2.423%
80	14.639	2080	2089	2093	rVB2	89325	200909	21.00%	1.217%
81	14.688	2093	2097	2100	rBV4	26814	53808	5.62%	0.326%
82	14.731	2100	2104	2108	rVB	92793	137448	14.36%	0.833%
83	14.786	2108	2113	2117	rBV	165405	307667	32.15%	1.864%
84	14.859	2121	2125	2129	rBV2	56301	99722	10.42%	0.604%
85	15.060	2154	2158	2162	rBV5	69940	131382	13.73%	0.796%
86	15.170	2171	2176	2182	rVB3	114269	241040	25.19%	1.461%
87	15.316	2195	2200	2210	rVB4	54163	135840	14.20%	0.823%
88	15.420	2211	2217	2218	rVV4	17378	34852	3.64%	0.211%
89	15.462	2220	2224	2227	rVV3	34715	69615	7.28%	0.422%
90	15.505	2228	2231	2236	rVV5	34842	78088	8.16%	0.473%
91	15.554	2236	2239	2247	rVB5	36280	83136	8.69%	0.504%
92	15.639	2247	2253	2262	rBV7	20071	55126	5.76%	0.334%
93	15.731	2263	2268	2272	rBV5	15444	34161	3.57%	0.207%
94	15.859	2285	2289	2294	rBV	20821	32944	3.44%	0.200%
95	15.944	2300	2303	2308	rVB4	20031	32143	3.36%	0.195%
96	16.005	2308	2313	2319	rBV5	11386	34074	3.56%	0.206%
97	16.164	2329	2339	2346	rBV5	29114	87937	9.19%	0.533%
98	16.371	2365	2373	2379	rVV10	10207	28876	3.02%	0.175%
99	16.481	2386	2391	2402	rVB4	14774	39024	4.08%	0.236%
100	16.633	2409	2416	2425	rBV8	8077	24501	2.56%	0.148%

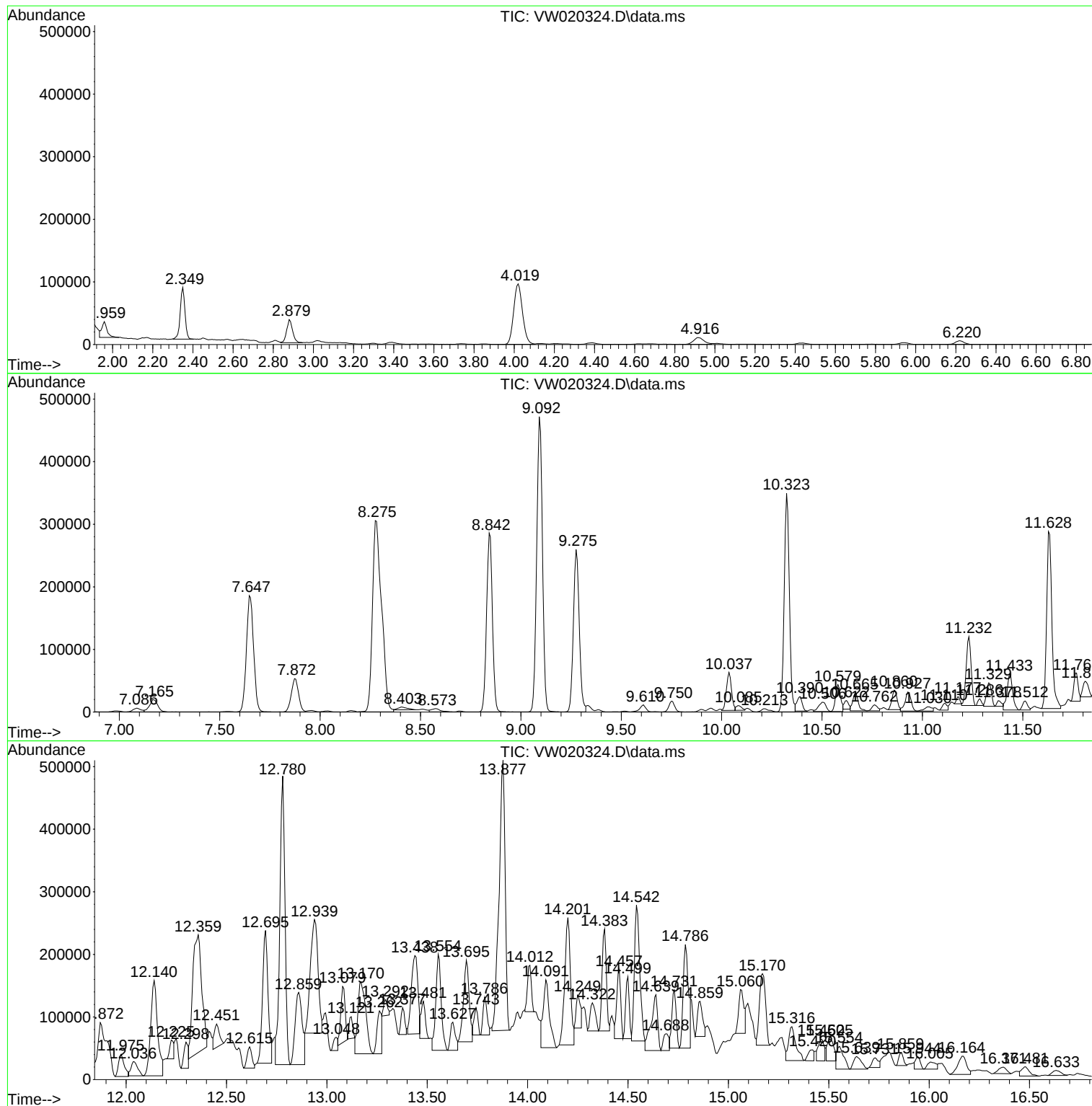
Sum of corrected areas: 16502039

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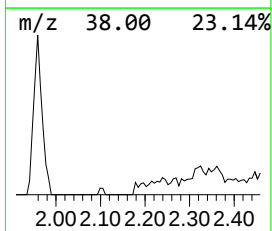
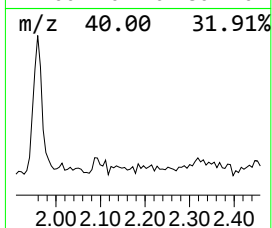
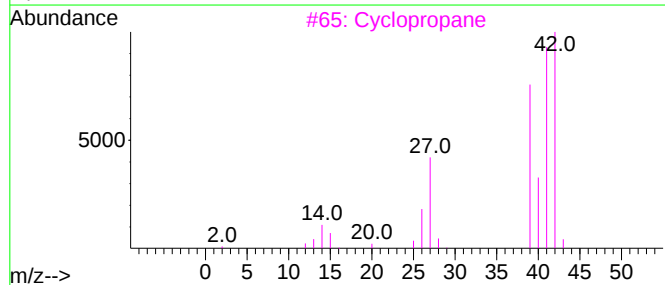
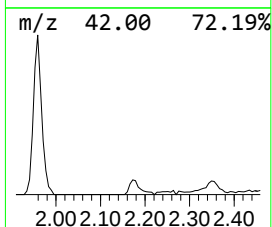
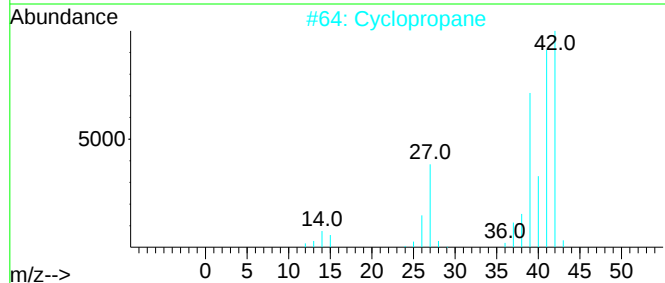
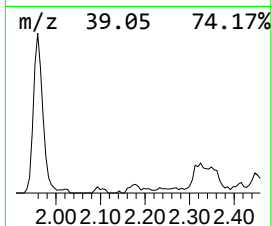
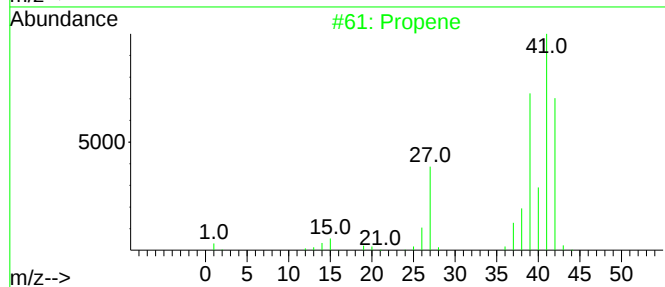
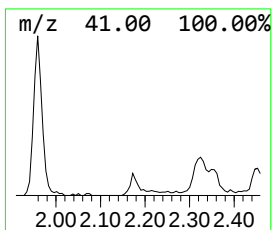
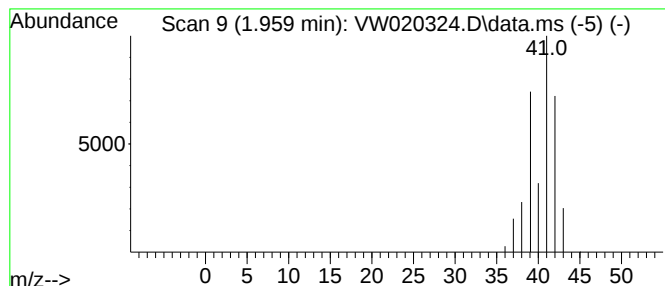
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.959	1.99 ug/L	45564	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Cyclopropane	42	C3H6	000075-19-4	64
3			Cyclopropane	42	C3H6	000075-19-4	59
4			Propene	42	C3H6	000115-07-1	45
5			Cyclopropene	40	C3H4	002781-85-3	10



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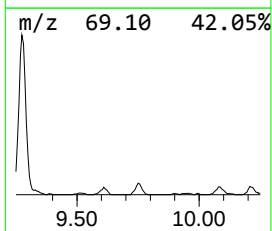
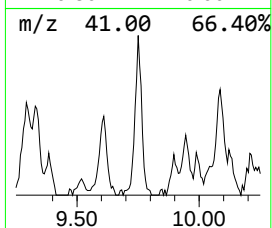
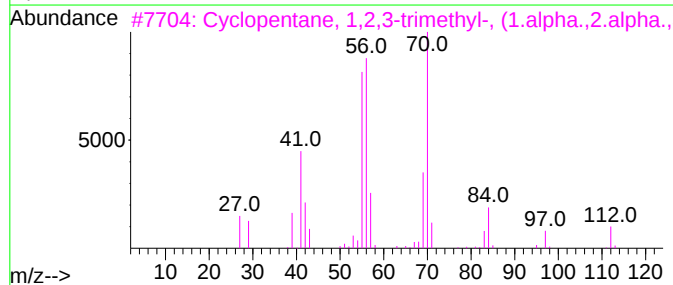
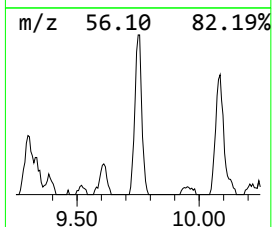
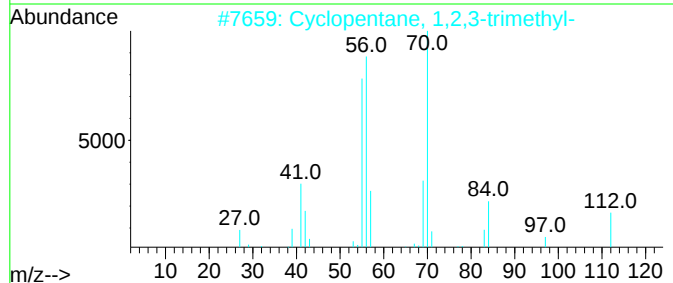
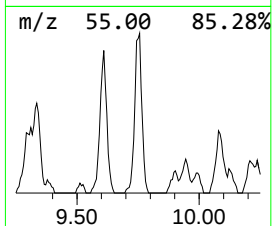
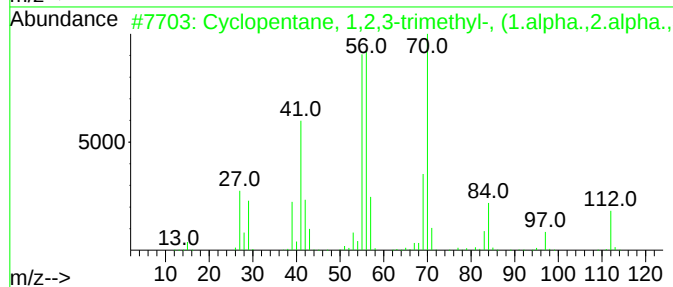
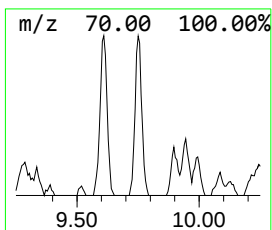
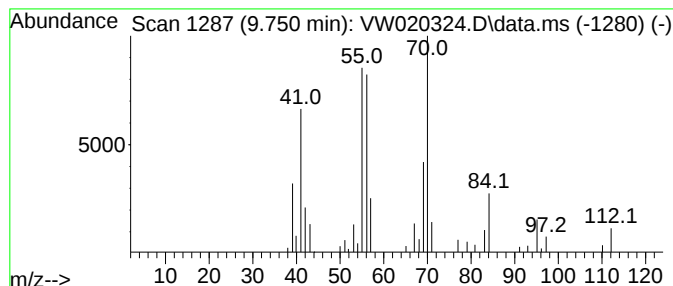
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic9.750 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	1.46 ug/L	33548	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
4		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5		Octane, 3-chloro-	148	C8H17Cl	001117-79-9	59



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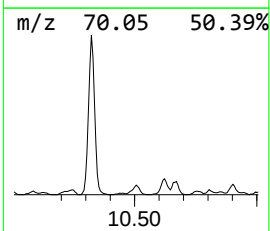
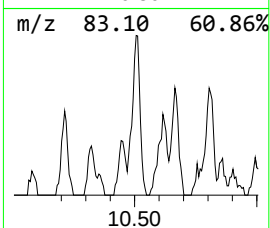
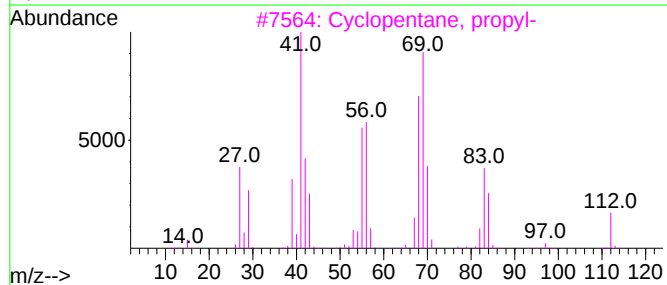
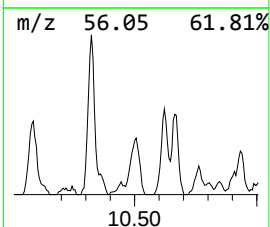
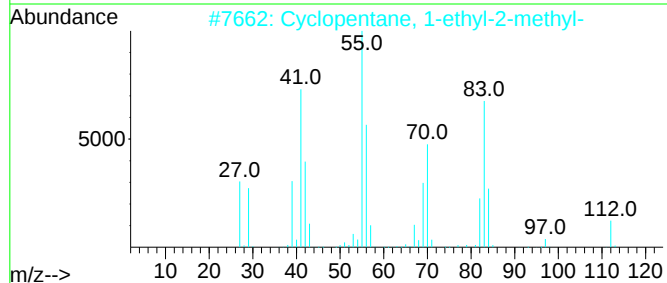
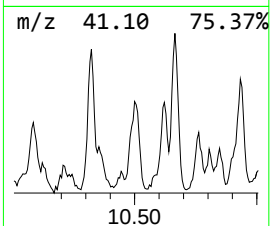
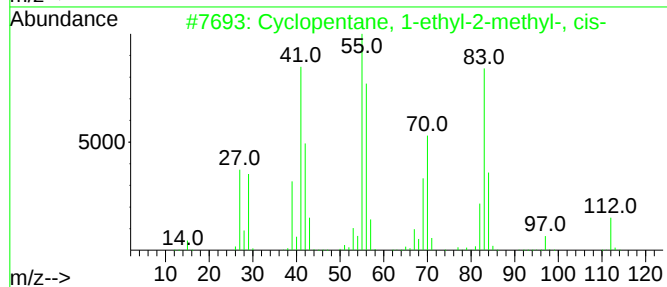
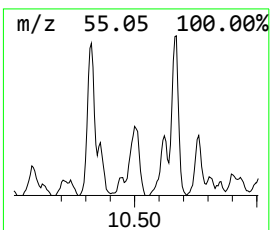
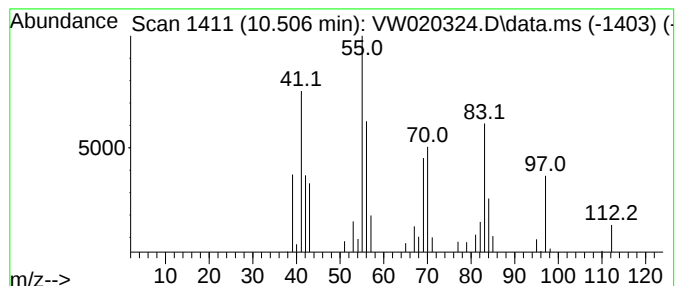
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic10.506 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.85 ug/L	37970	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	93
2			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	83
3			Cyclopentane, propyl-	112	C8H16	002040-96-2	58
4			2-Octene, (E)-	112	C8H16	013389-42-9	52
5			2-Octene	112	C8H16	000111-67-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

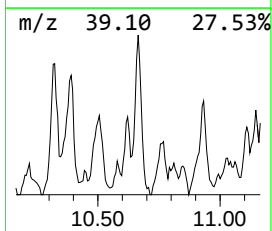
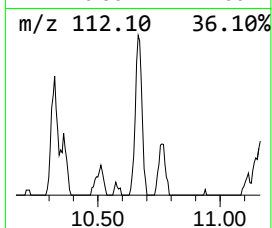
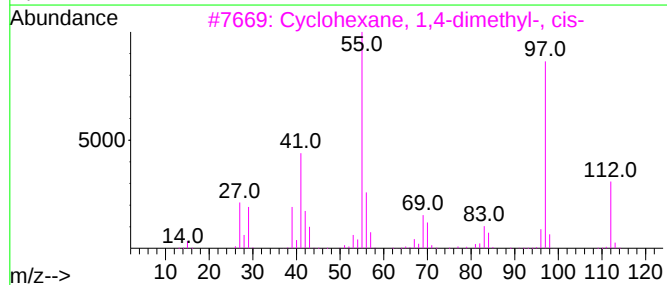
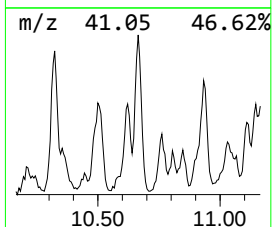
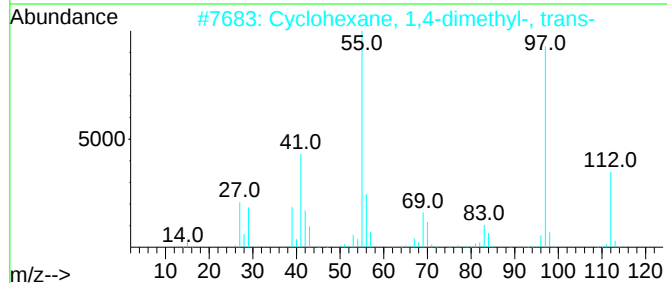
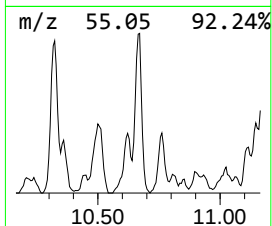
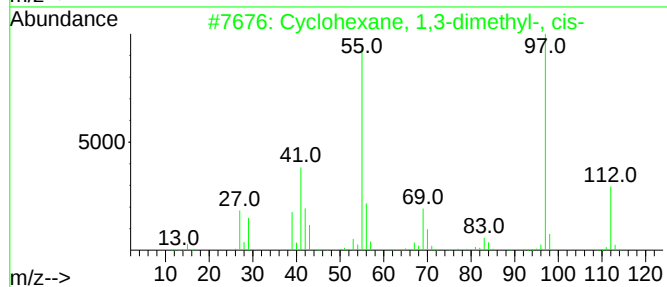
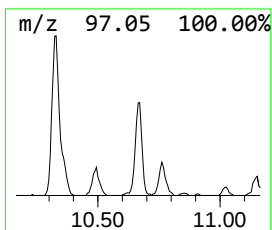
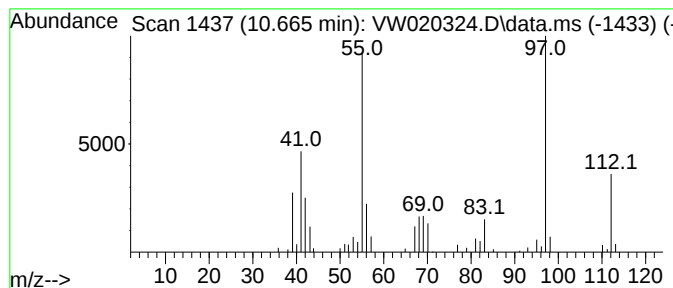
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic10.665 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	2.62 ug/L	53877	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

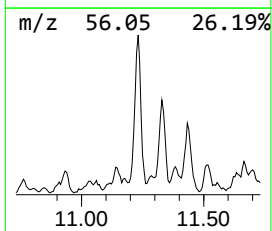
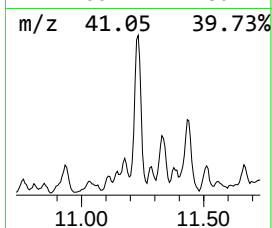
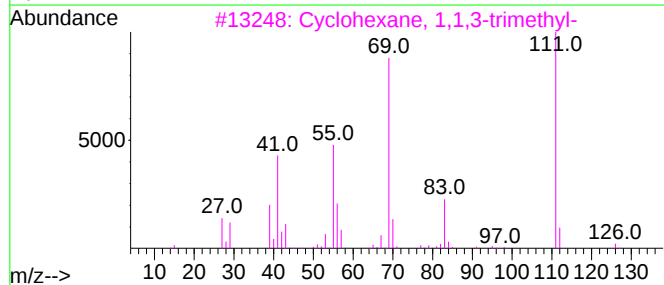
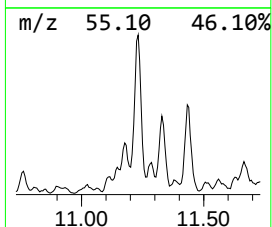
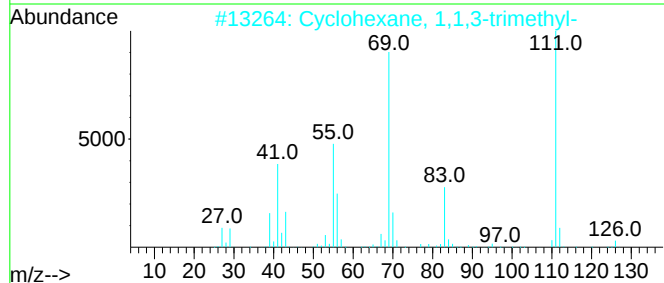
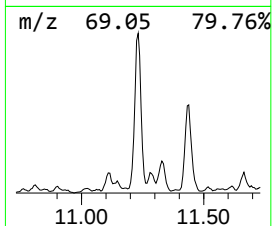
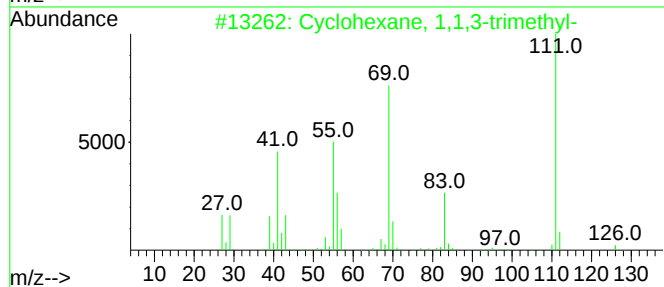
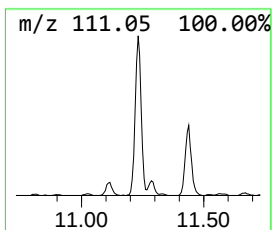
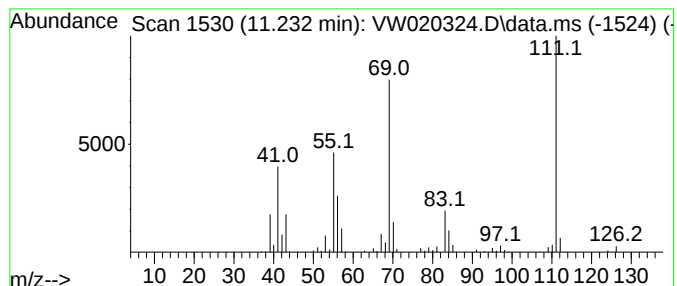
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.232 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	9.23 ug/L	189635	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

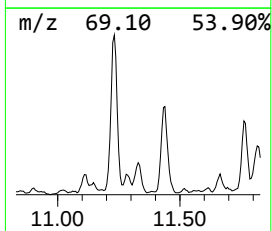
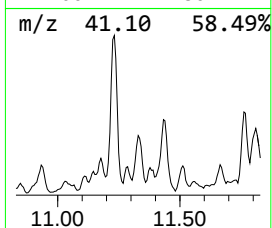
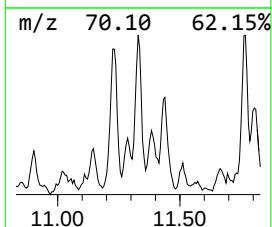
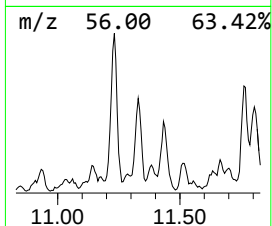
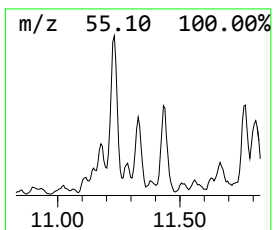
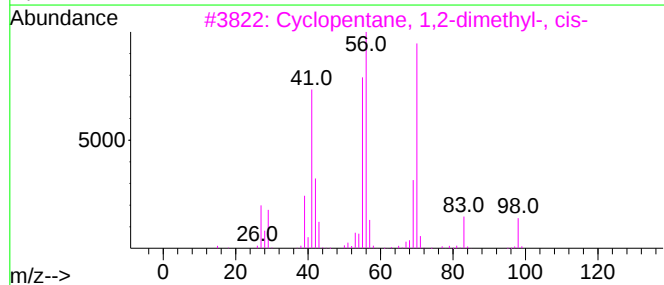
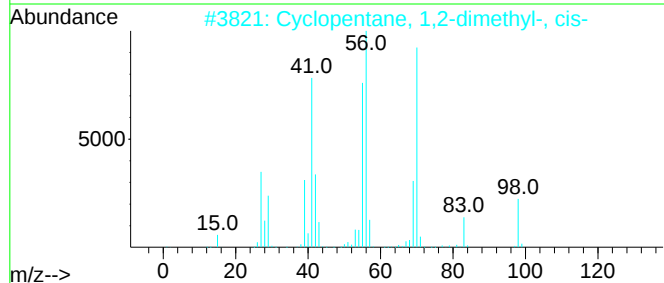
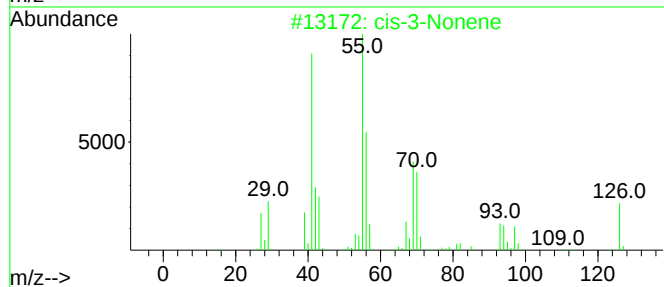
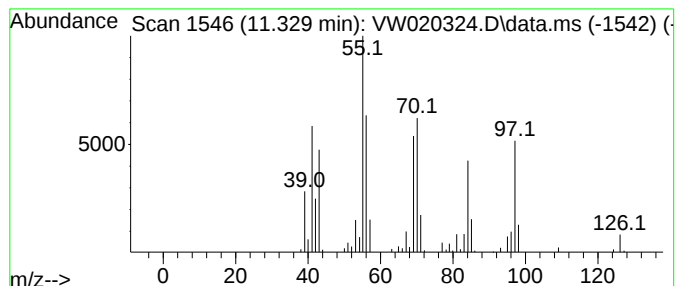
Instrument :
MSVOA_W
ClientSampleId :
EW921

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 7 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.329	3.05 ug/L	62756	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	cis-3-Nonene		126	C9H18	020237-46-1	46
2	Cyclopentane, 1,2-dimethyl-, cis-		98	C7H14	001192-18-3	45
3	Cyclopentane, 1,2-dimethyl-, cis-		98	C7H14	001192-18-3	45
4	Cyclopentane, 1,3-dimethyl-, cis-		98	C7H14	002532-58-3	43
5	Cyclopentane, 1,2-dimethyl-, cis-		98	C7H14	001192-18-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

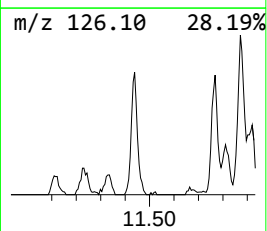
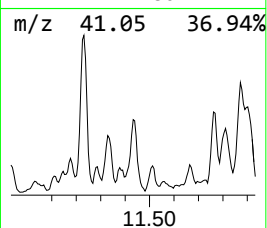
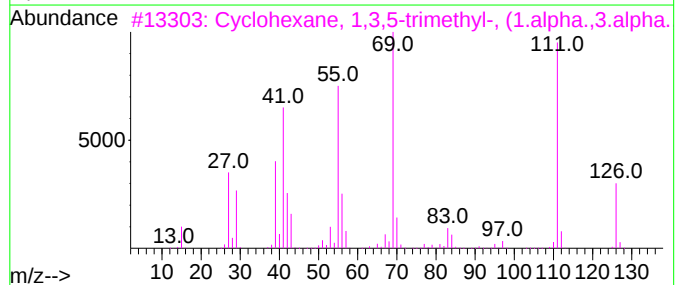
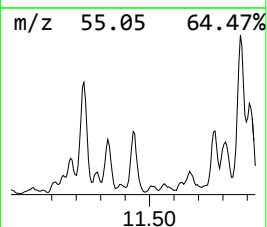
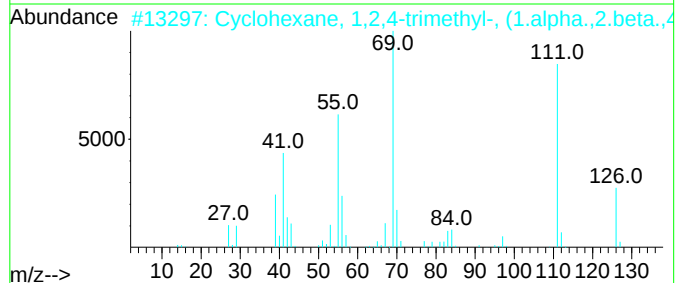
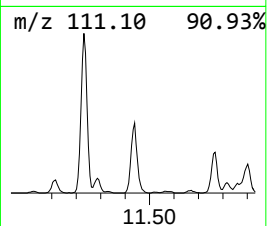
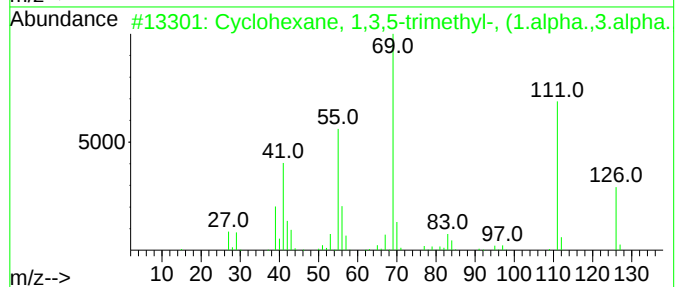
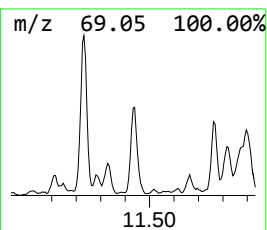
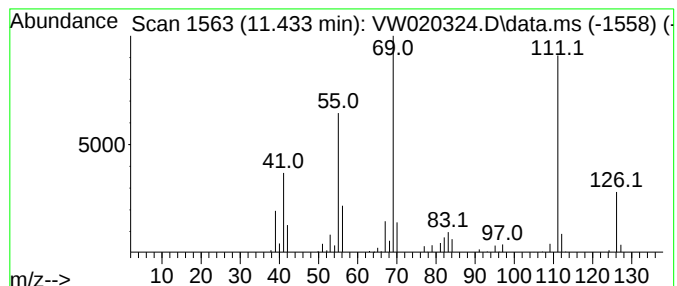
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.433 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	5.40 ug/L	110914	Chlorobenzene-d5	11.628

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

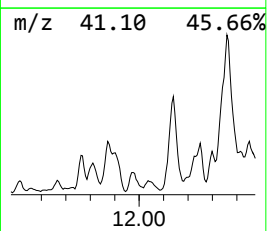
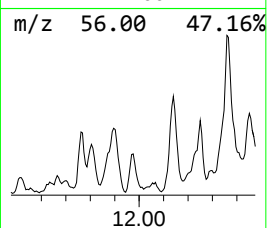
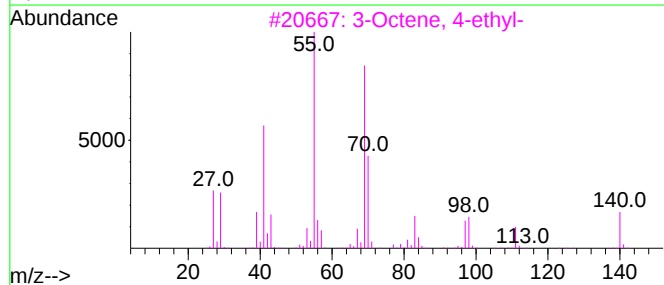
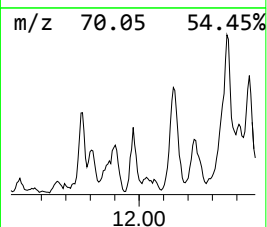
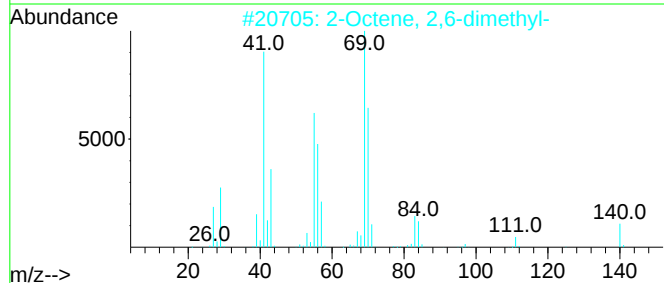
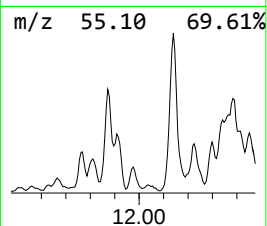
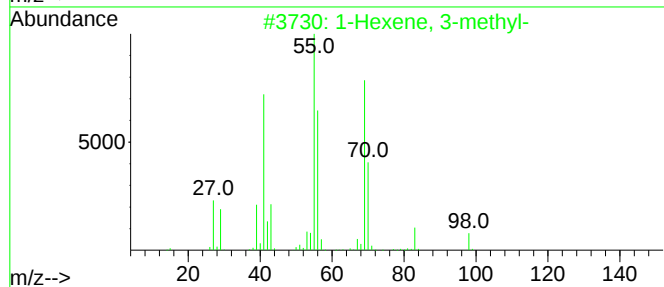
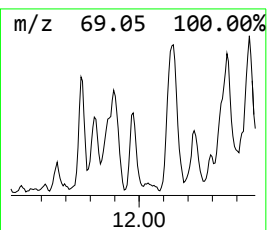
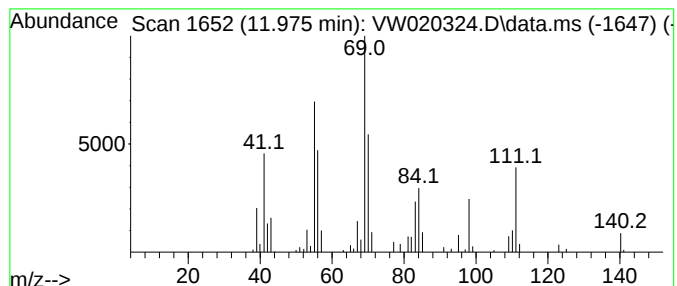
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ClientSampleId :
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.975	3.50 ug/L	71843	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	62
2	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	58
3	3-Octene, 4-ethyl-		140	C10H20	053966-51-1	52
4	1,4-Cyclooctanedione		140	C8H12O2	055794-45-1	50
5	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

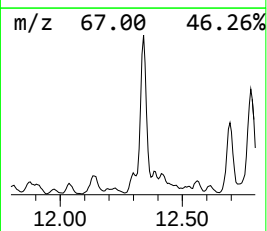
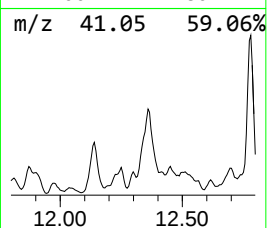
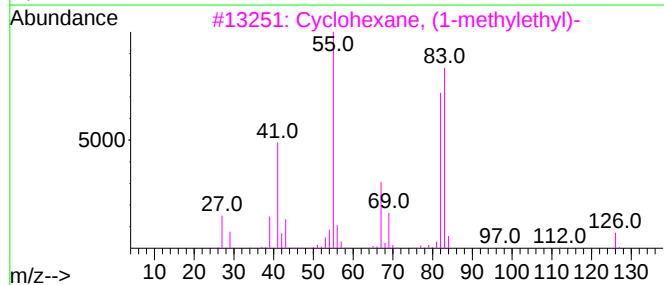
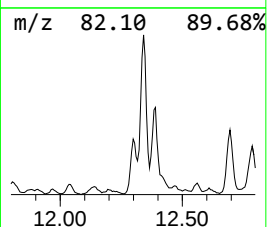
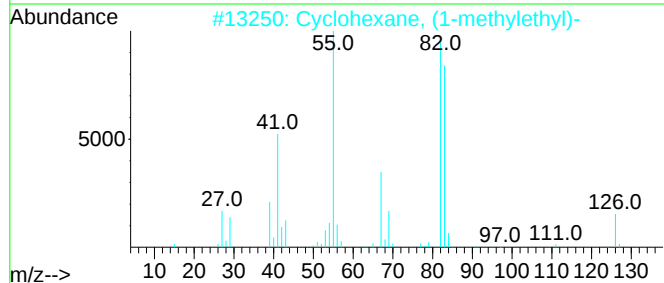
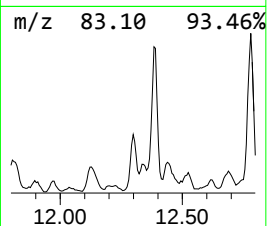
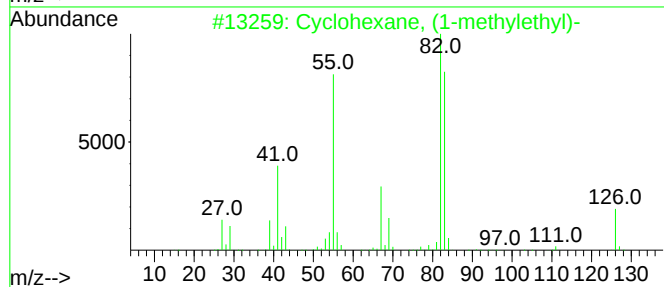
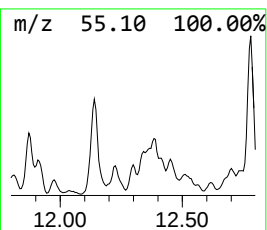
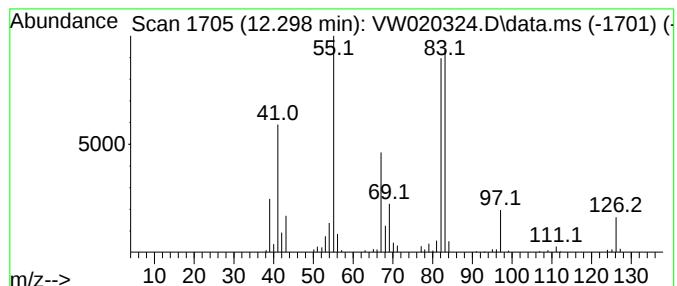
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic12.298 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	3.14 ug/L	64494	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5			Succinic acid, 3-methylbut-2-yl ...	270	C15H26O4	1000391-08-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

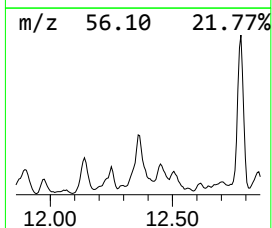
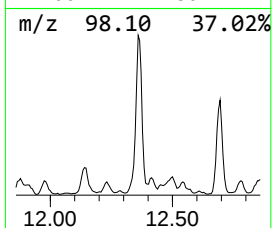
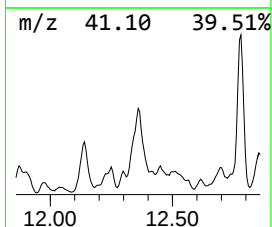
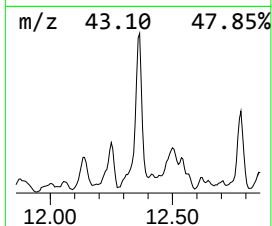
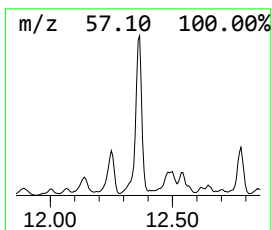
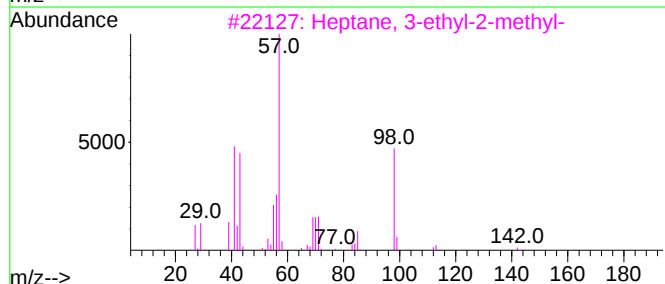
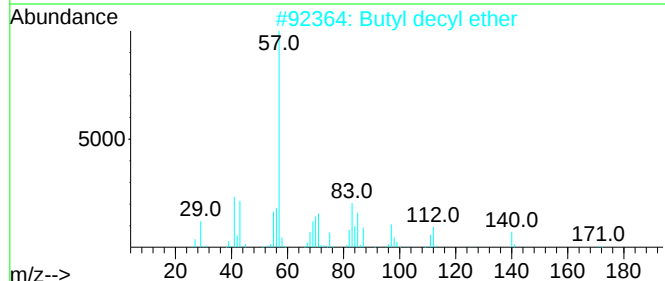
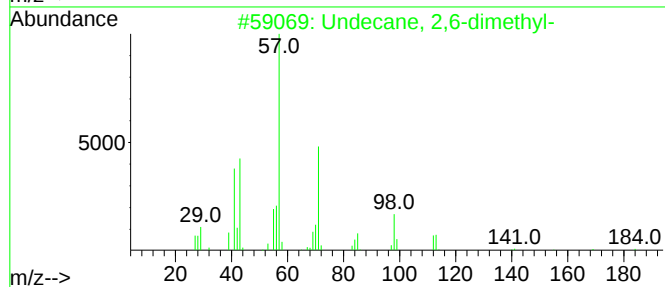
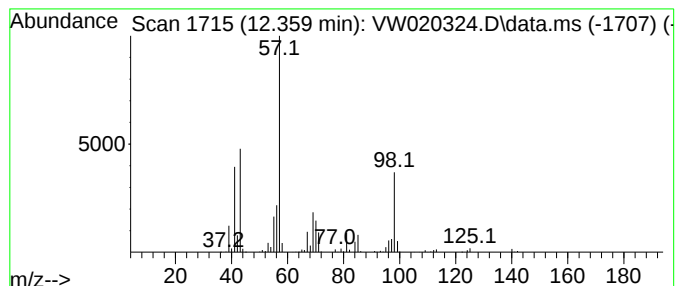
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	28.97 ug/L	595018	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
2			Butyl decyl ether	214	C14H30O	1000406-40-2	53
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
4			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW921

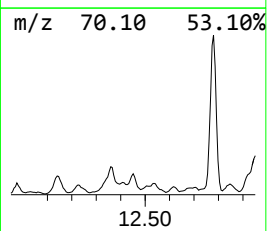
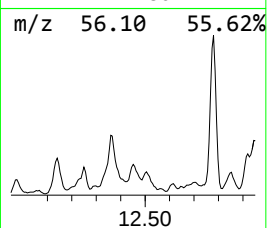
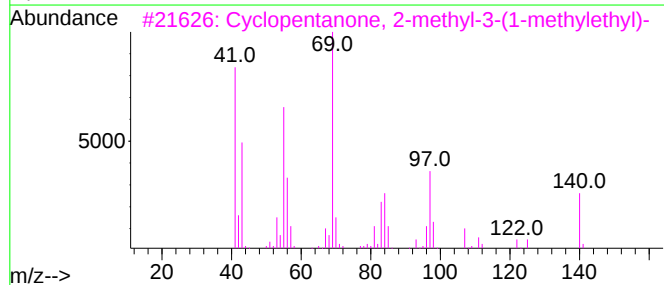
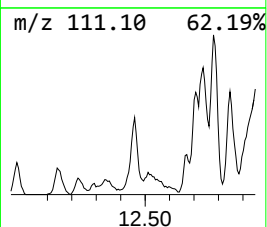
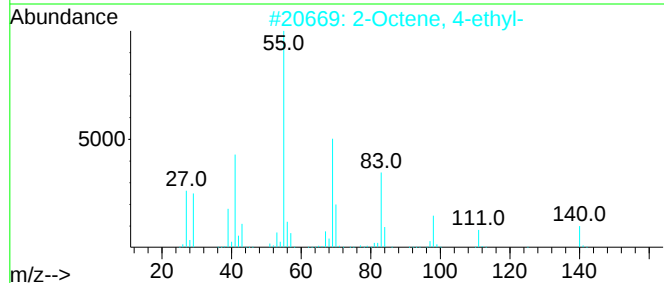
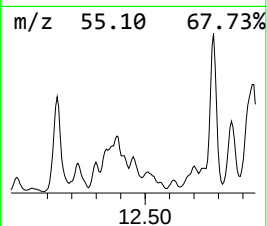
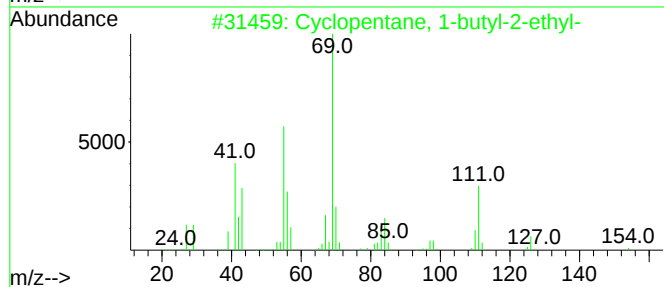
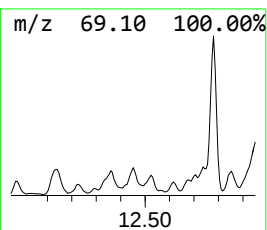
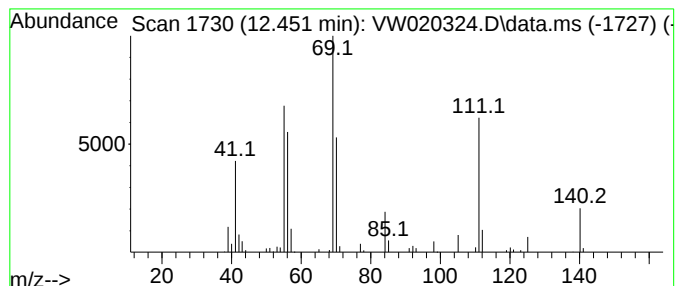
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic12.451 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.14 ug/L	64476	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	64
2			2-Octene, 4-ethyl-	140	C10H20	053966-52-2	53
3			Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	52
4			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	49
5			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

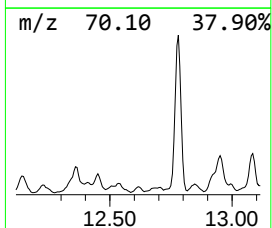
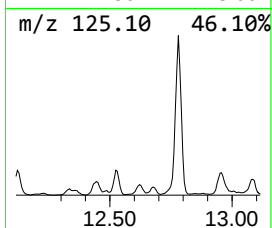
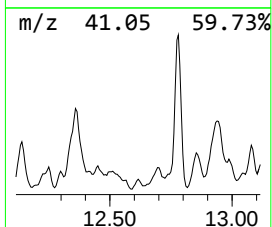
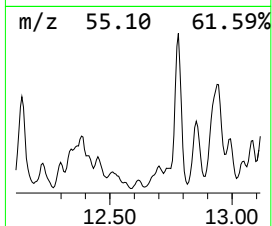
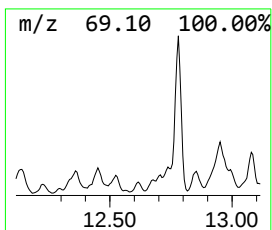
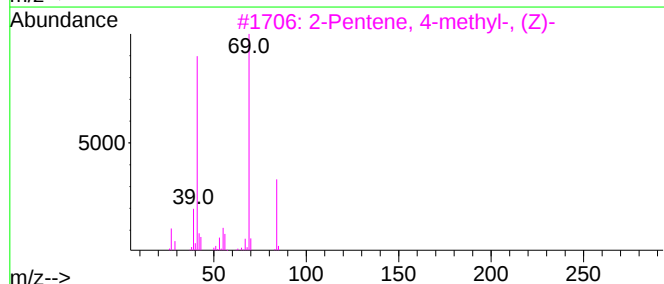
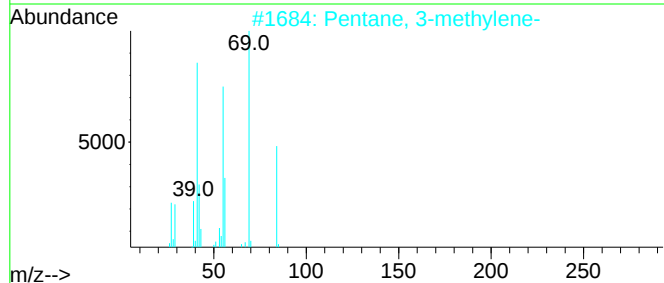
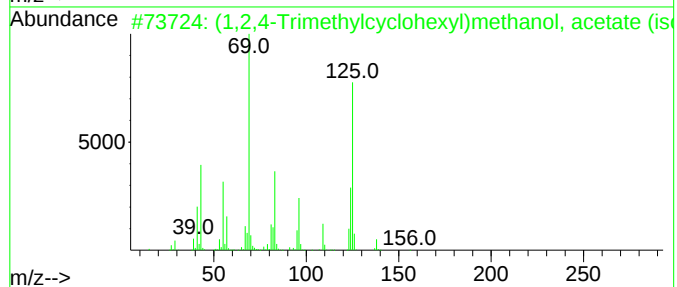
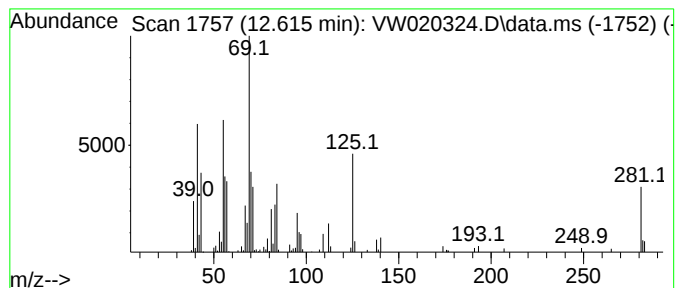
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Quant Title : SFAM01.0

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

Peak Number 14 (1,2,4-Trimethylcyclohexyl)... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	5.04 ug/L	56622	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	50
2			Pentane, 3-methylene-	84	C6H12	000760-21-4	41
3			2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	38
4			2-Pentene, 4-methyl-	84	C6H12	004461-48-7	38
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

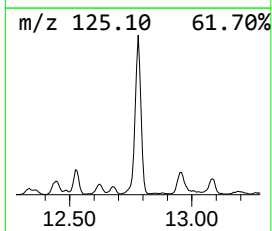
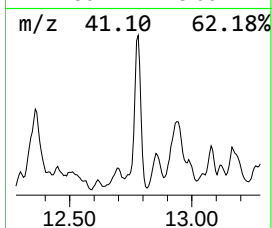
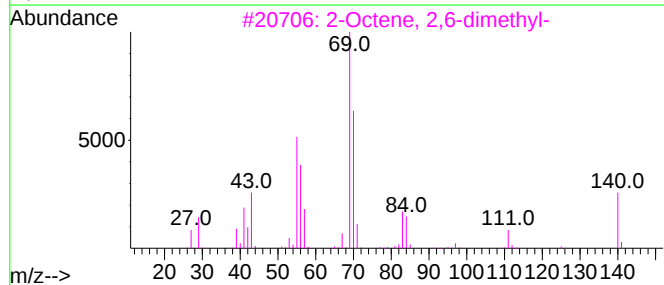
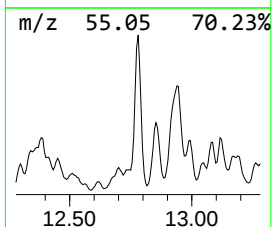
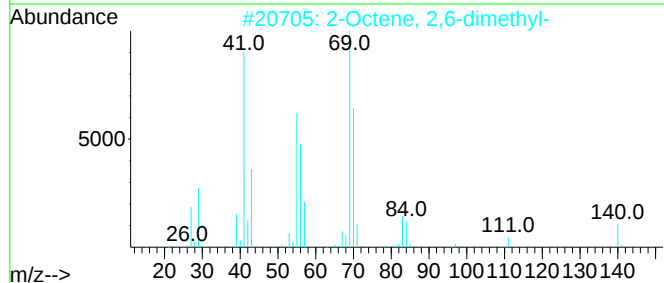
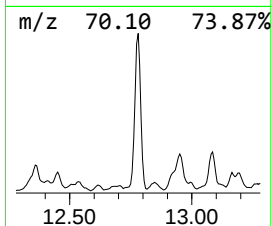
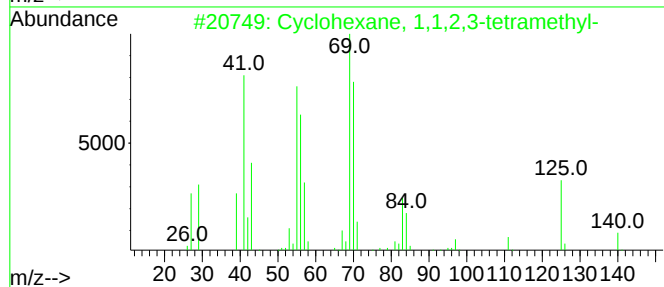
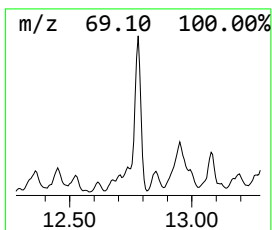
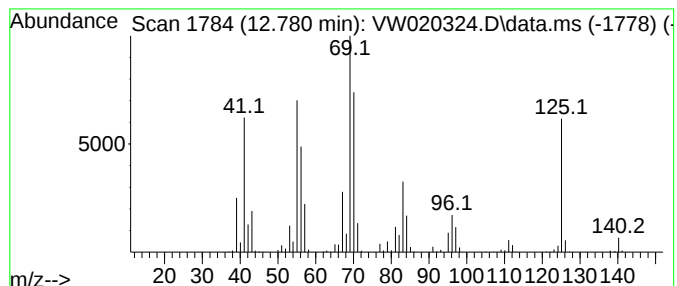
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic12.780 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	72.18 ug/L	811374	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
4			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

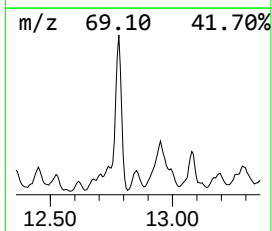
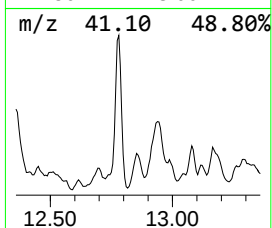
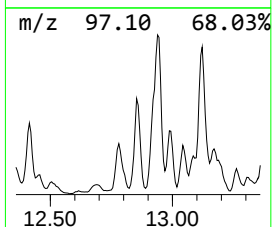
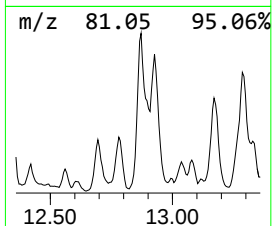
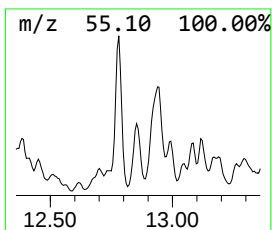
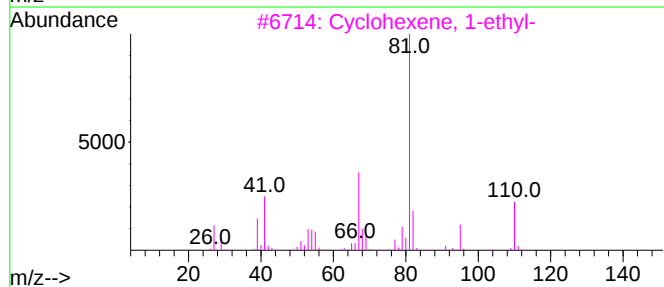
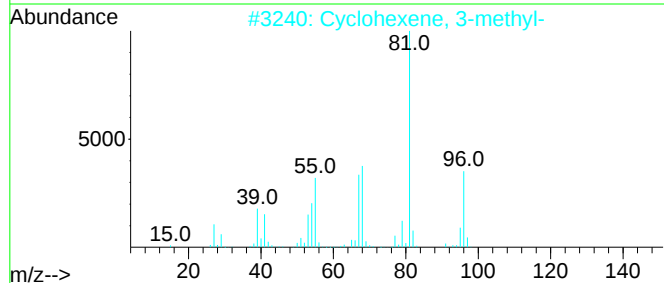
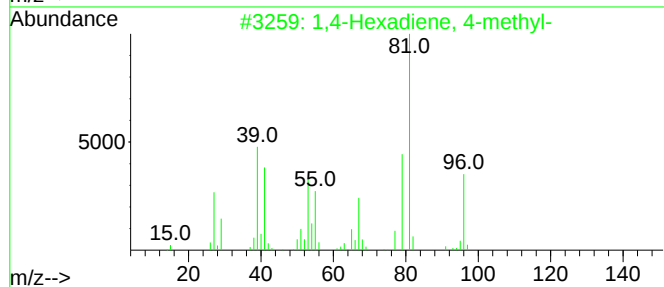
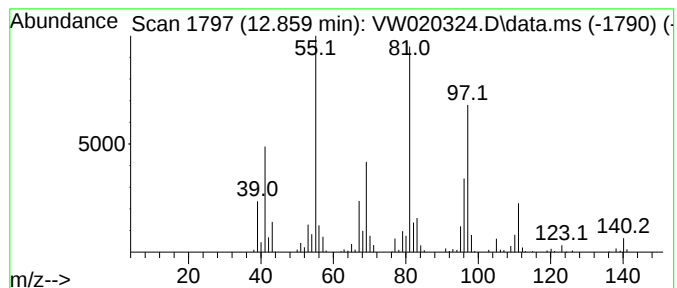
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Quant Title : SFAM01.0

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

Peak Number 16 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	25.96 ug/L	291846	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	46
2		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	45
4		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	43
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

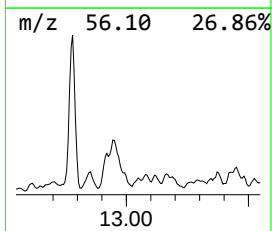
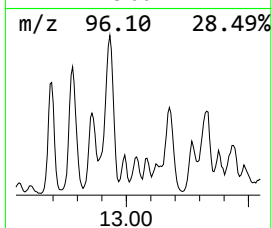
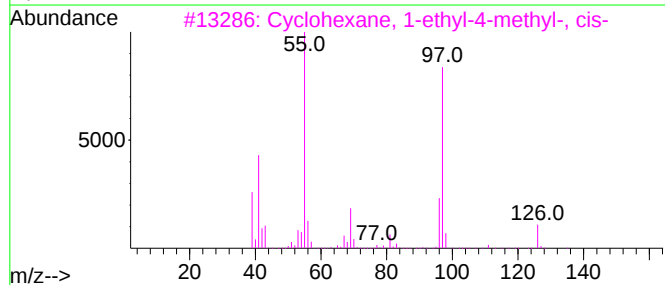
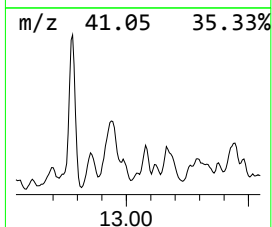
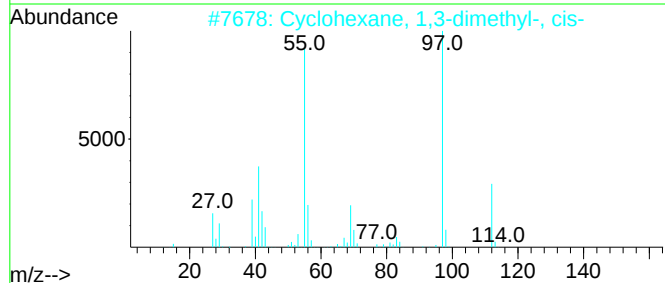
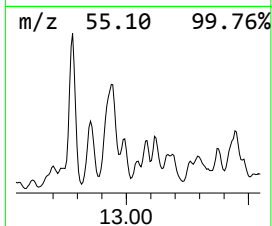
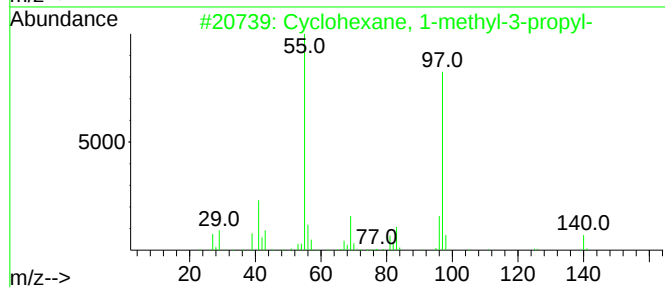
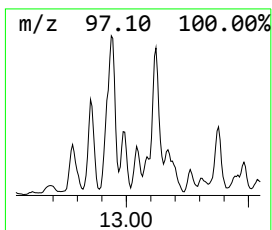
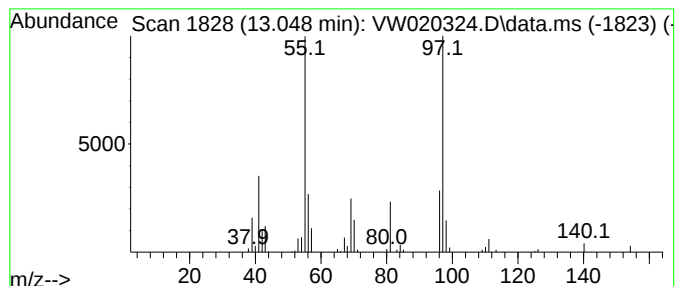
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic13.048 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	2.85 ug/L	32053	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	72
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

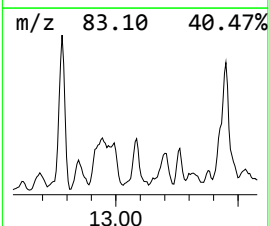
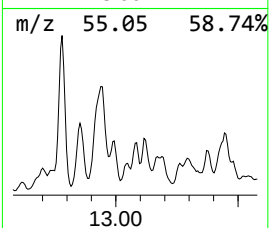
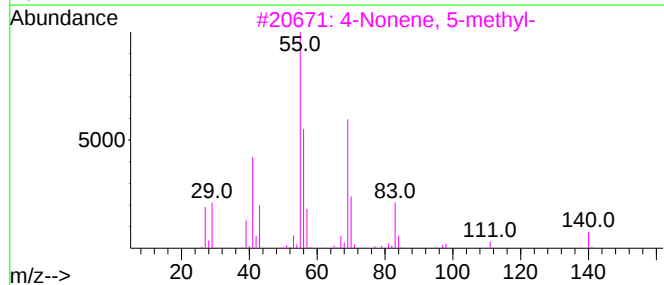
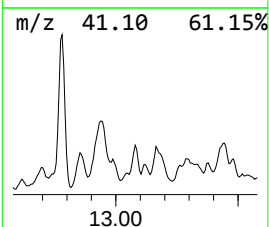
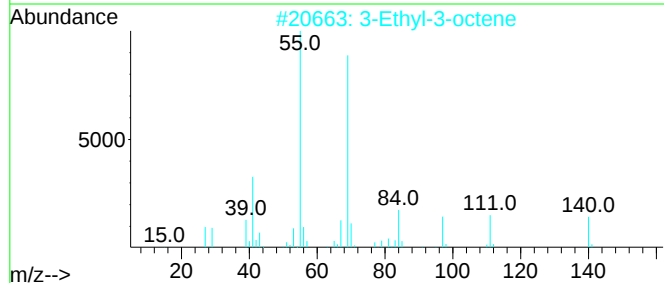
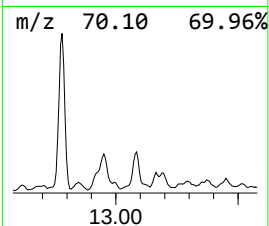
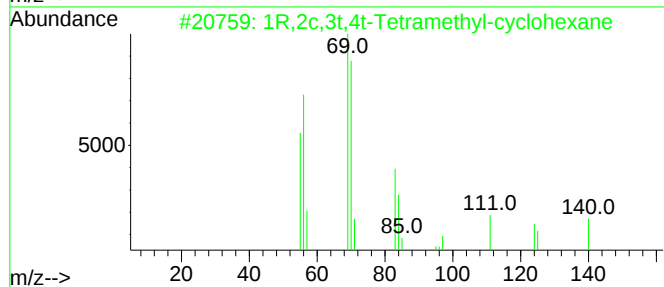
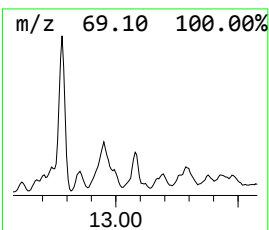
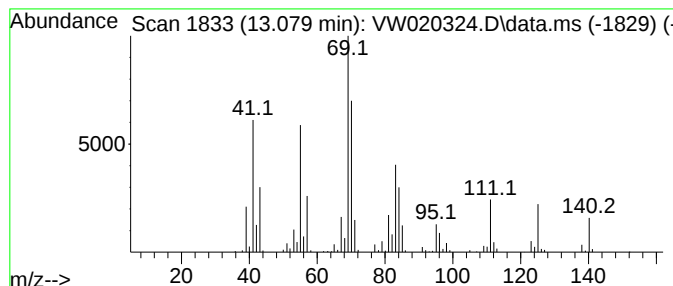
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic13.079 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	12.24 ug/L	137582	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	83	
2	3-Ethyl-3-octene	140	C10H20	019781-31-8	49	
3	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	49	
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46	
5	3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	38	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

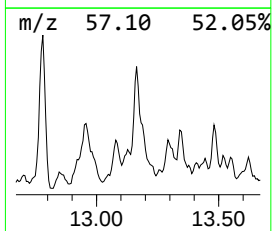
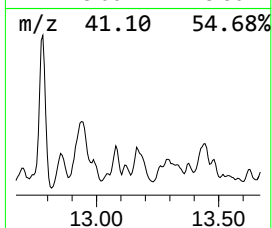
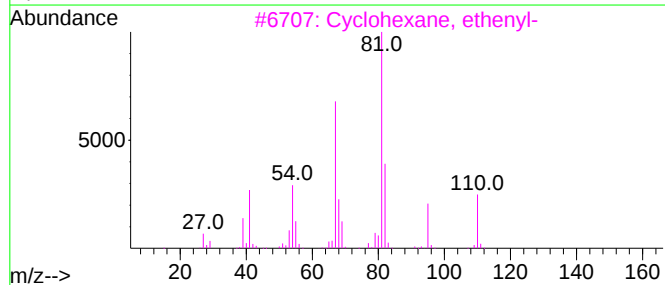
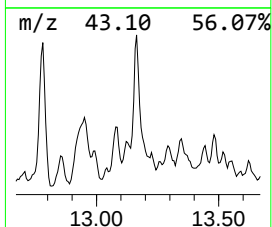
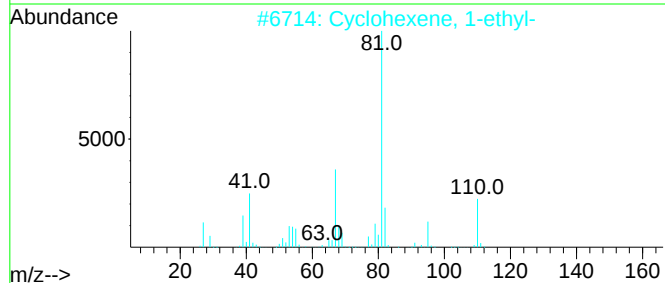
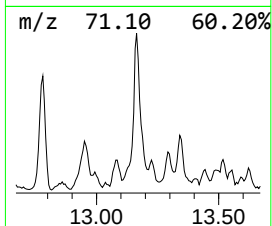
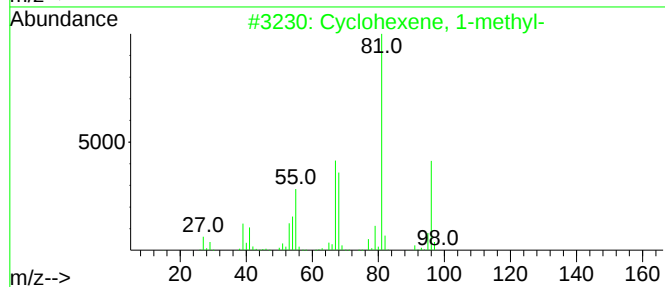
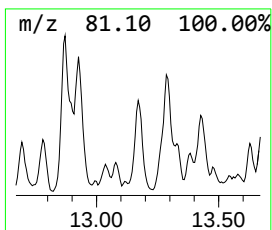
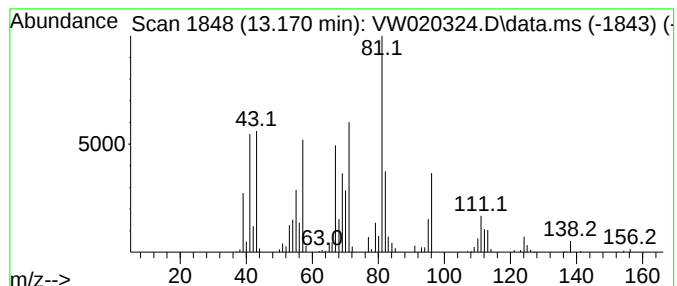
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Quant Title : SFAM01.0

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

Peak Number 20 Cyclohexene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	27.54 ug/L	309510	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	60
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	49
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
5		Cyclohexane, ethylidene-	110	C8H14	001003-64-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

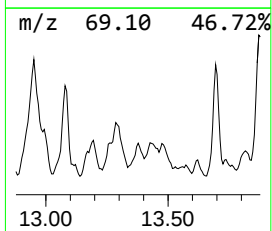
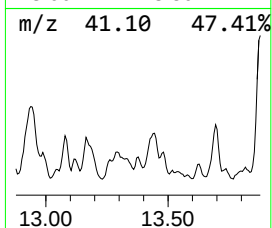
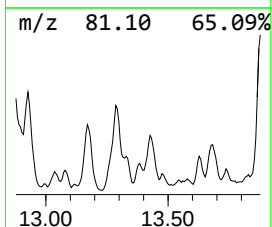
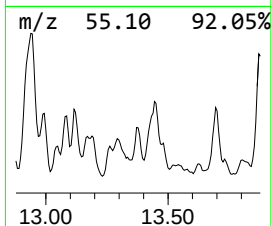
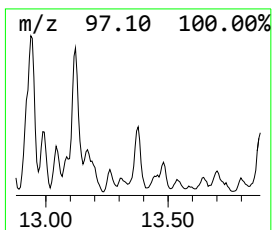
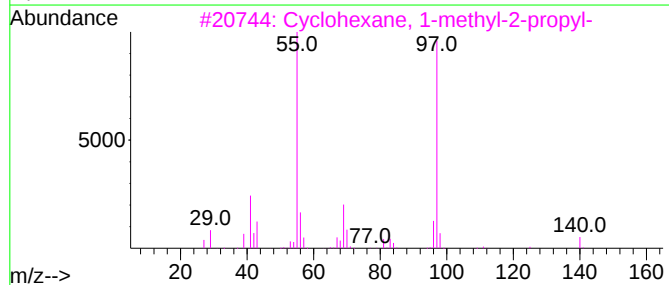
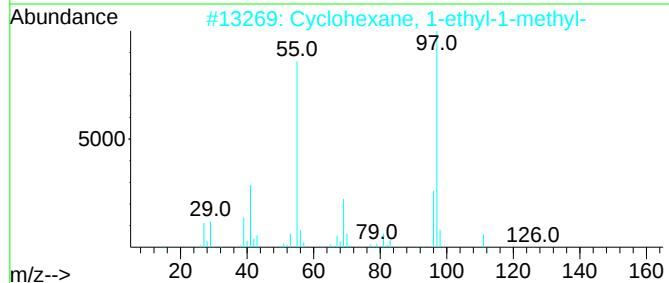
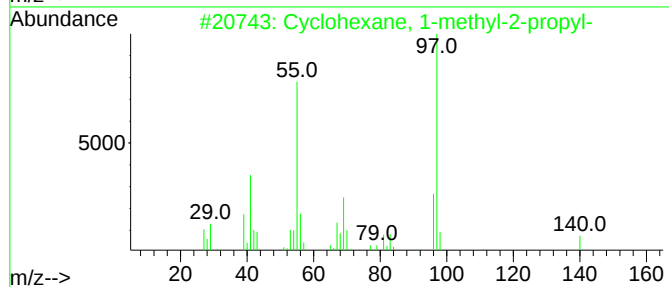
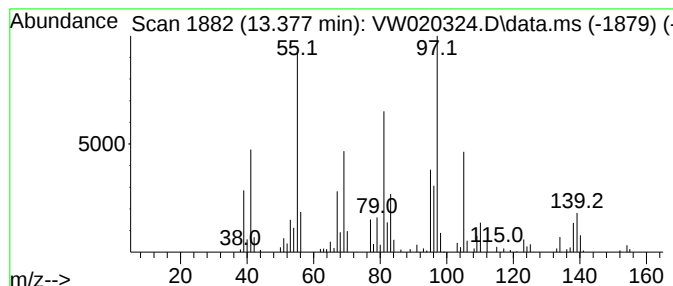
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic13.378 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	4.98 ug/L	55972	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	43
5		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW921

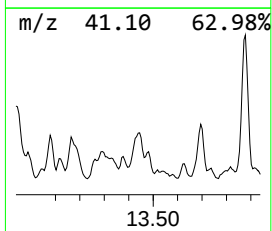
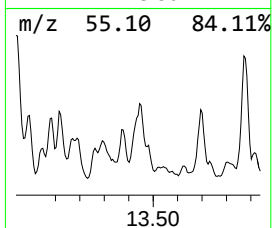
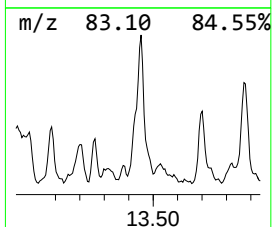
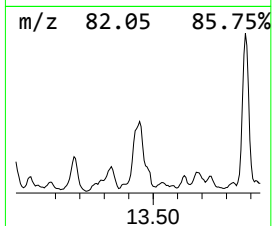
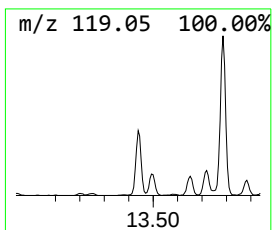
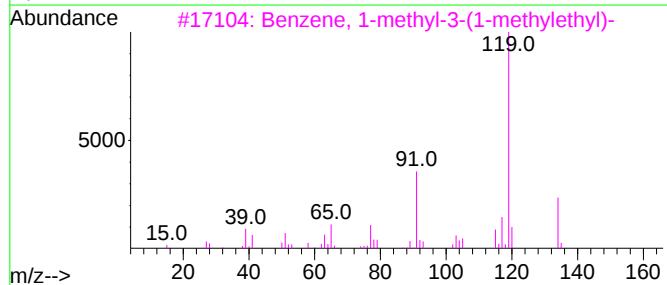
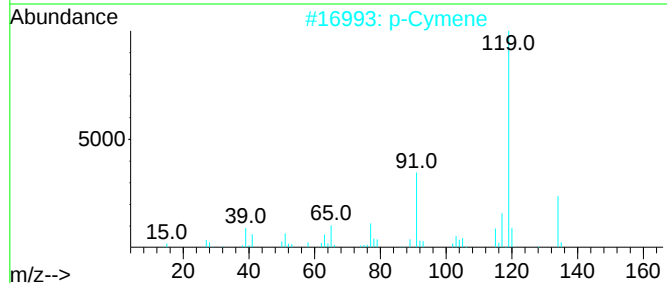
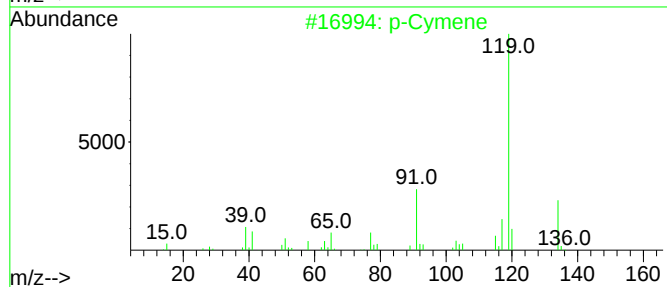
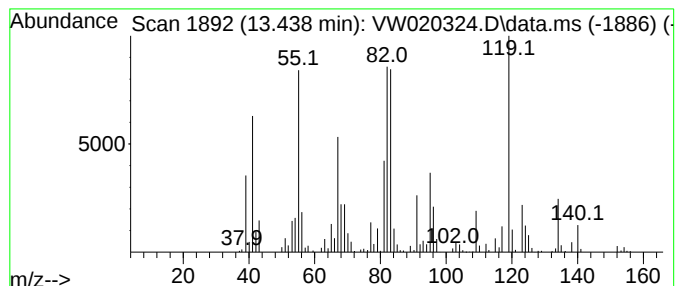
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Quant Title : SFAM01.0

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

Peak Number 22 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	25.20 ug/L	283220	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene			134	C10H14	000099-87-6	59
2	p-Cymene			134	C10H14	000099-87-6	56
3	Benzene, 1-methyl-3-(1-methyleth...			134	C10H14	000535-77-3	56
4	Benzene, 1-methyl-3-(1-methyleth...			134	C10H14	000535-77-3	53
5	Benzene, 1-methyl-3-(1-methyleth...			134	C10H14	000535-77-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

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

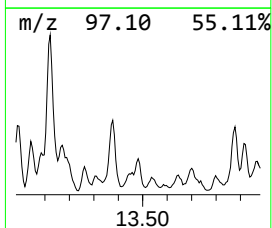
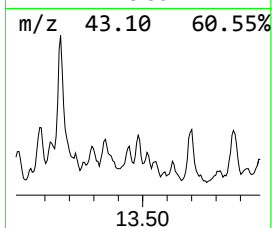
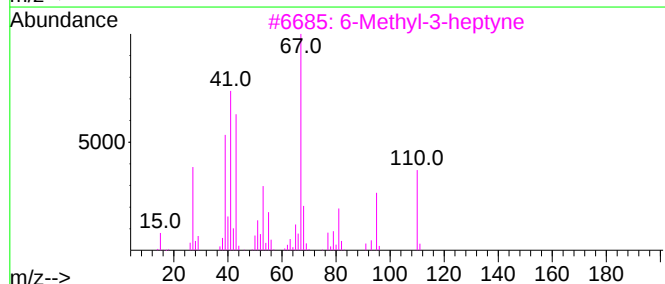
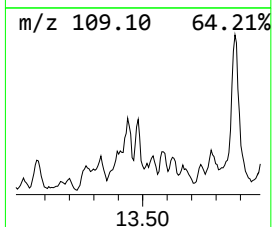
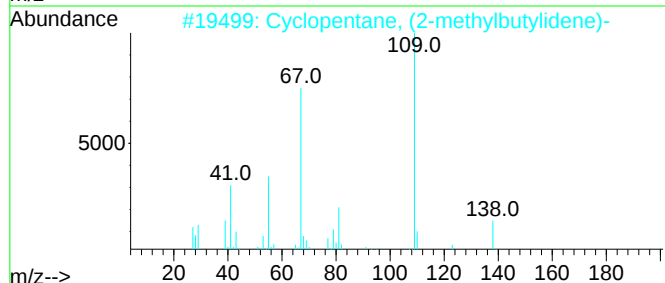
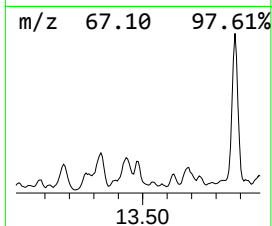
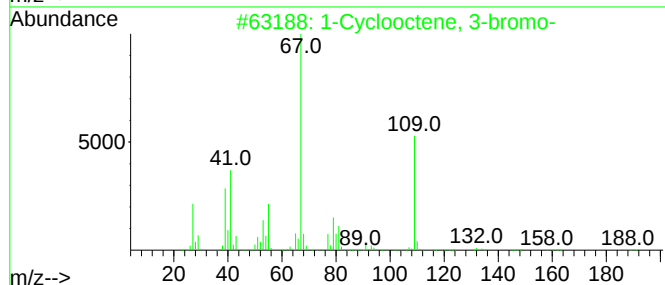
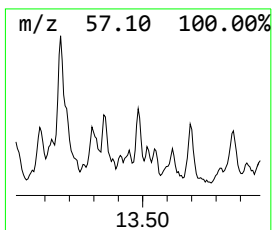
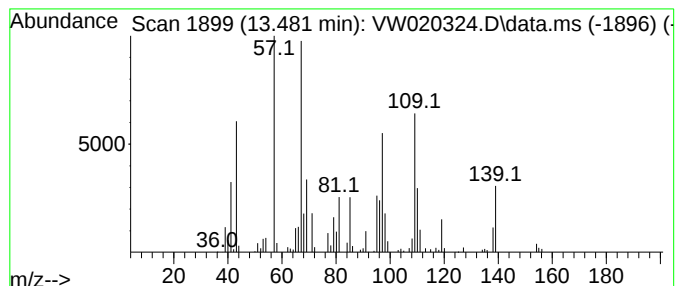
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TIC Integration Parameters: LSCINT.P

Peak Number 23 unknown-02

Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	7.48 ug/L	84134	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Cyclooctene, 3-bromo-	188	C8H13Br	1000163-39-0	35
2			Cyclopentane, (2-methylbutylidene)-	138	C10H18	053366-54-4	35
3			6-Methyl-3-heptyne	110	C8H14	054050-92-9	27
4			1-Ethylcyclopentene	96	C7H12	002146-38-5	25
5			1-Ethylcyclopentene	96	C7H12	002146-38-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

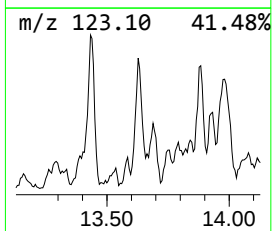
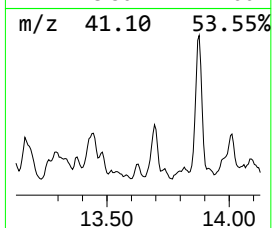
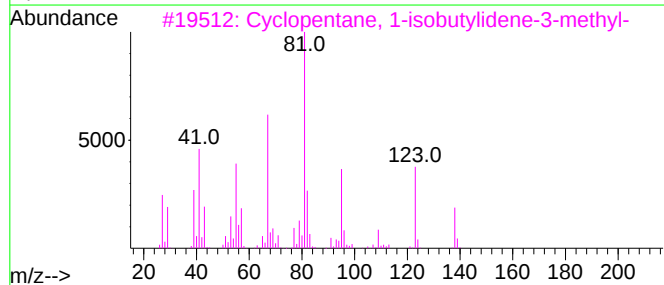
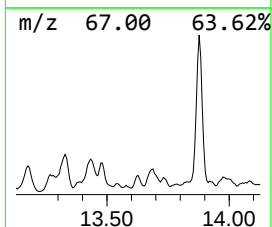
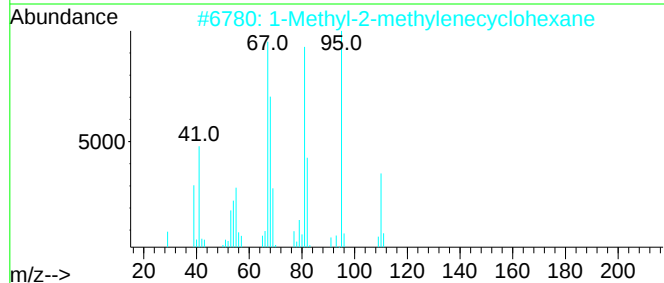
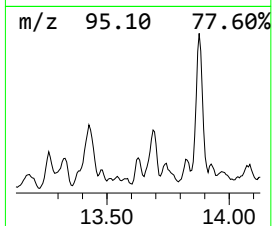
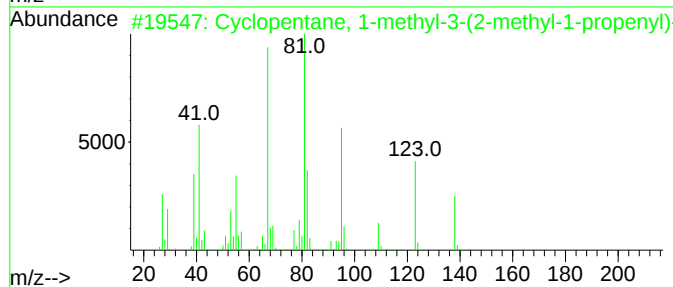
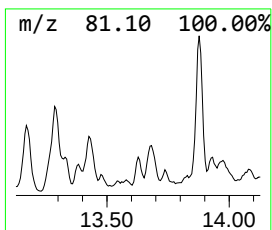
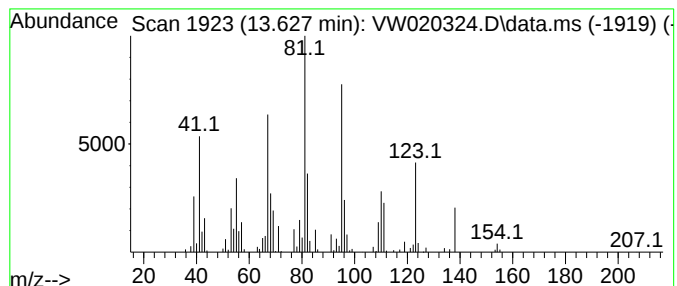
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Quant Title : SFAM01.0

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

Peak Number 24 Cyclopentane, 1-methyl-3-(2... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.627	7.03 ug/L	78995	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	70
2			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	70
3			Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	60
4			2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	58
5			3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

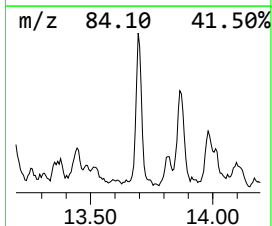
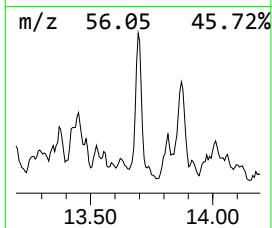
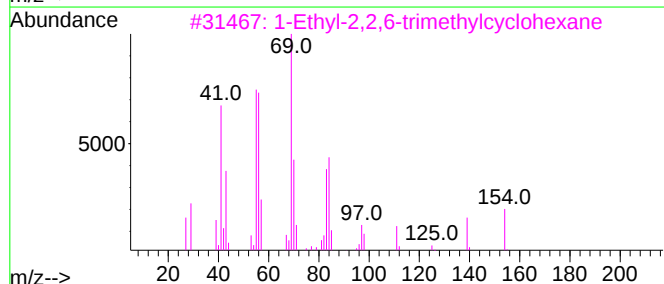
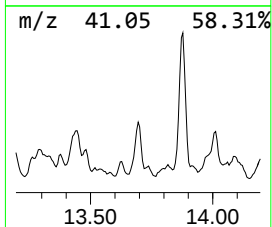
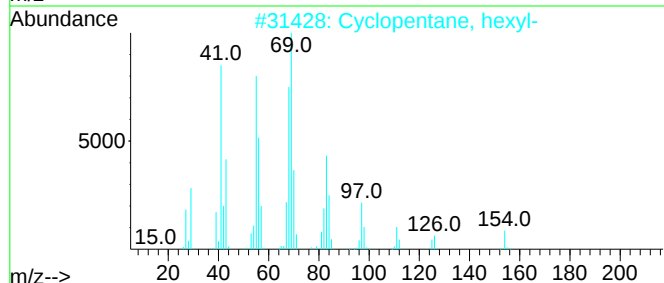
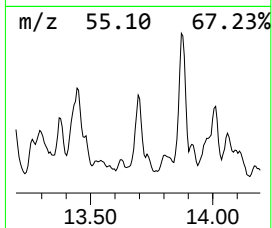
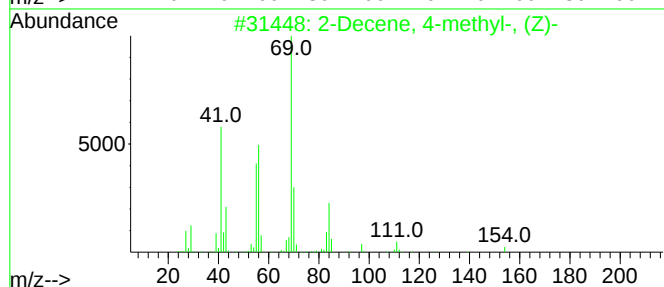
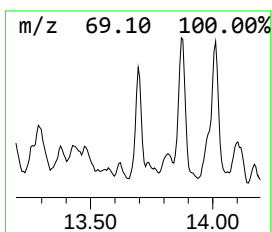
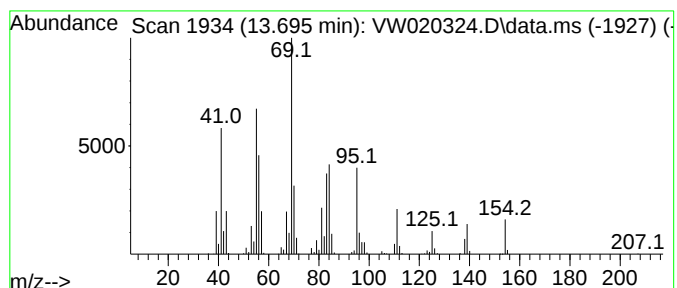
Instrument :
MSVOA_W
ClientSampleId :
EW921

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

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.695	23.13 ug/L	260024	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	62
2	Cyclopentane, hexyl-		154	C11H22	004457-00-5	49
3	1-Ethyl-2,2,6-trimethylcyclohexane		154	C11H22	071186-27-1	47
4	(S)-3-Ethyl-4-methylpentanol		130	C8H18O	1000144-07-1	46
5	2-Pentene, 3-methyl-, (Z)-		84	C6H12	000922-62-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

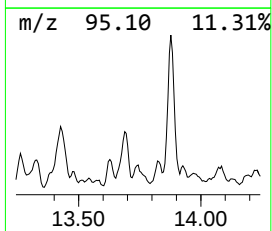
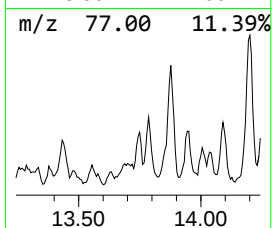
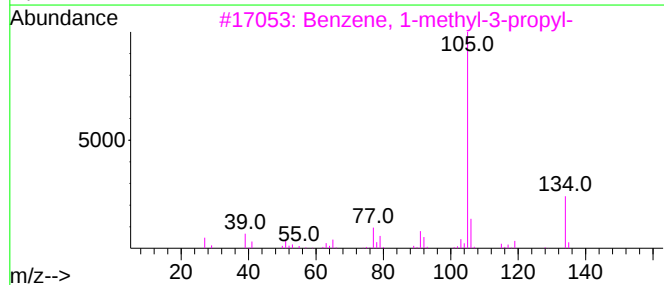
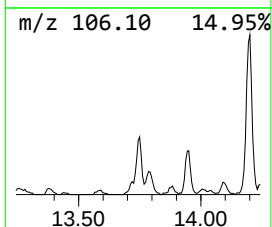
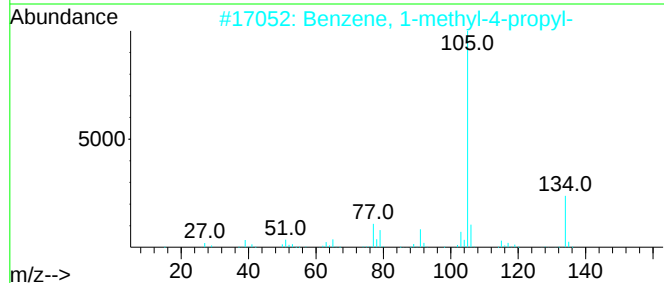
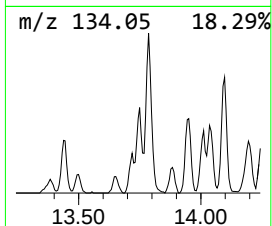
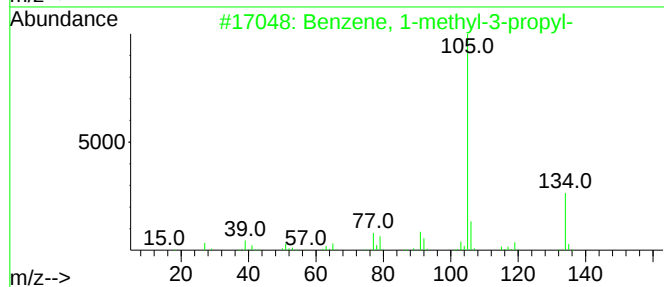
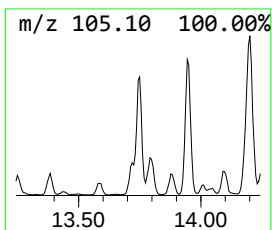
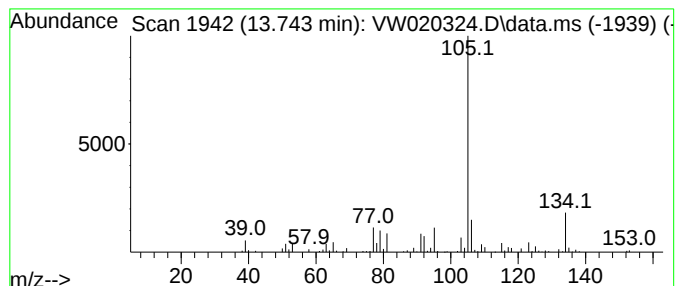
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 1-methyl-3-propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.743	4.93 ug/L	55436	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	76
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	76
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	68
5			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

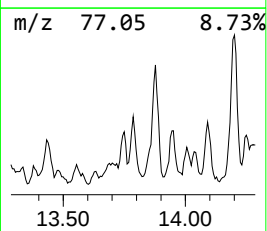
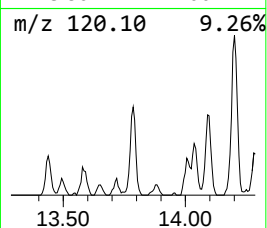
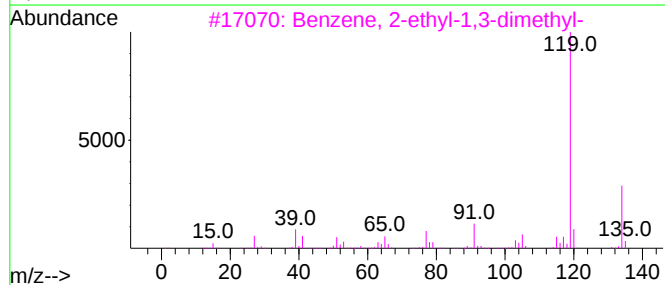
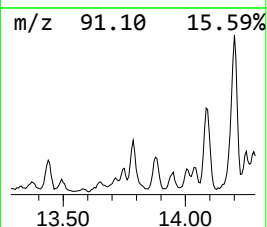
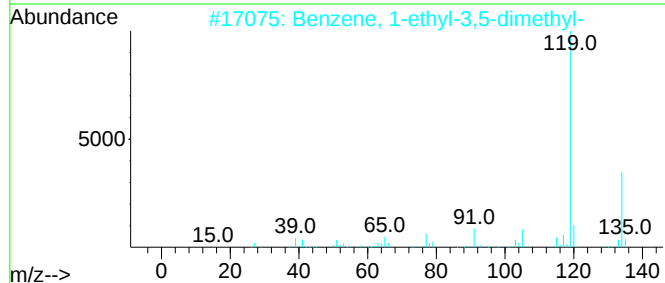
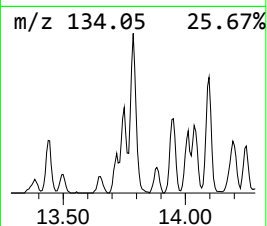
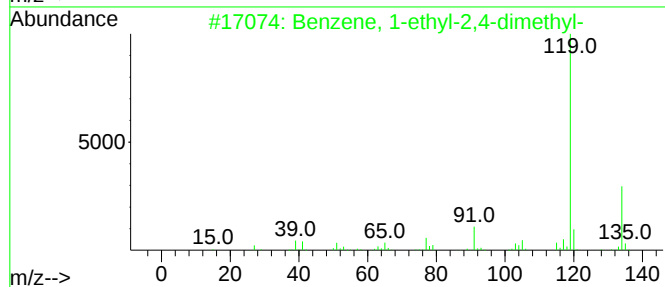
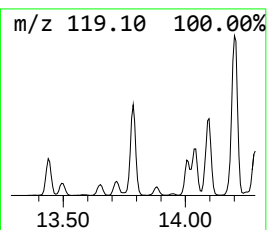
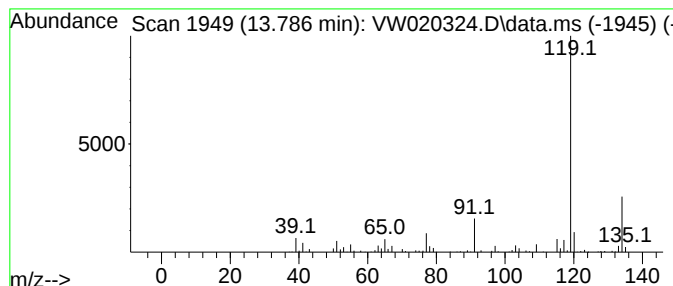
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Quant Title : SFAM01.0

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

Peak Number 27 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	7.75 ug/L	87089	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5			o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

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

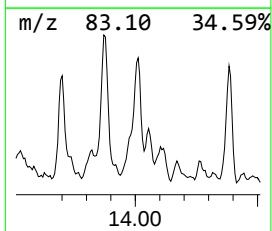
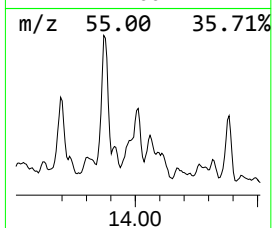
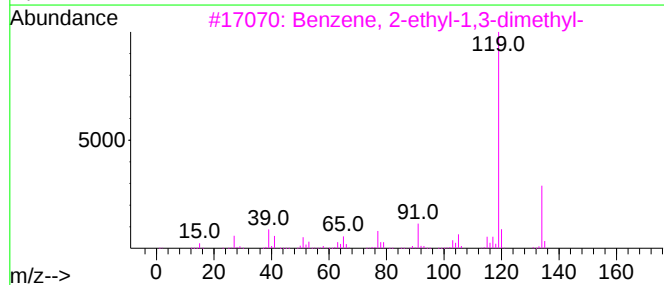
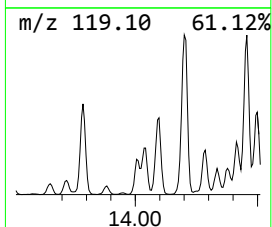
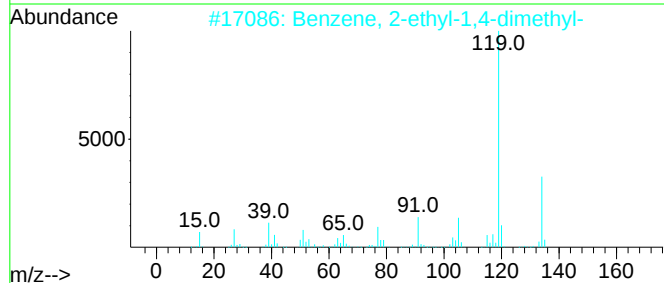
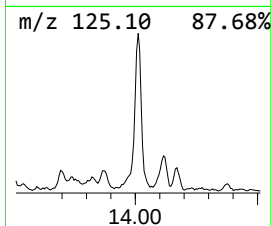
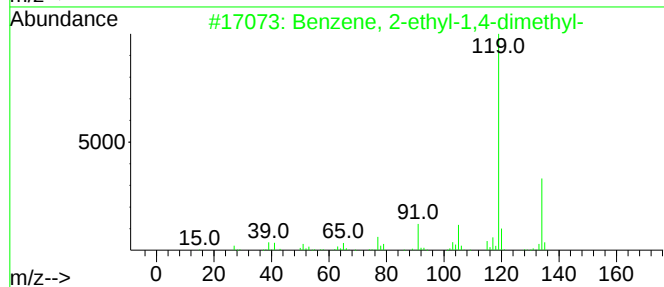
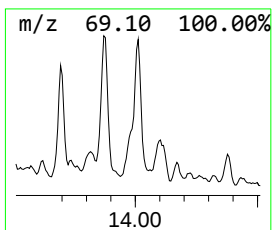
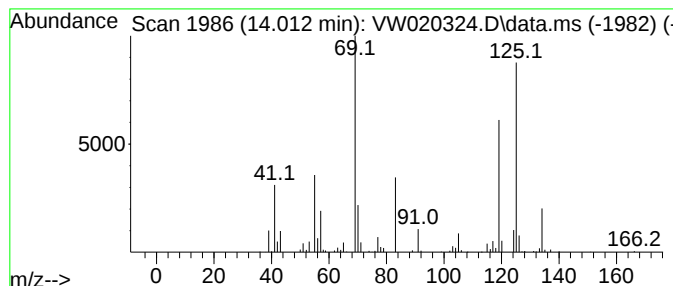
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 unknown-03

Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.012	8.73 ug/L	98089	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	44
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	44
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	25
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	25
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

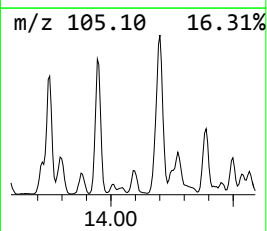
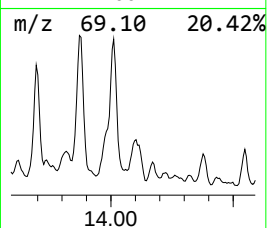
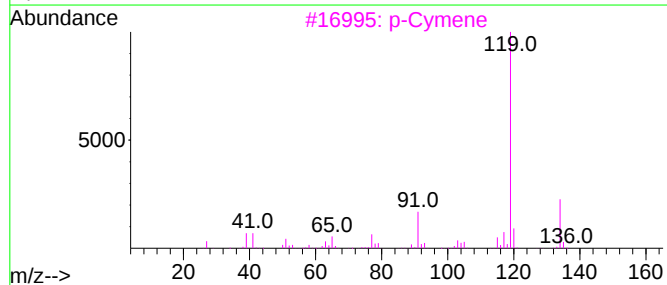
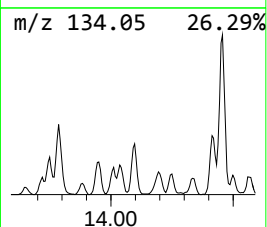
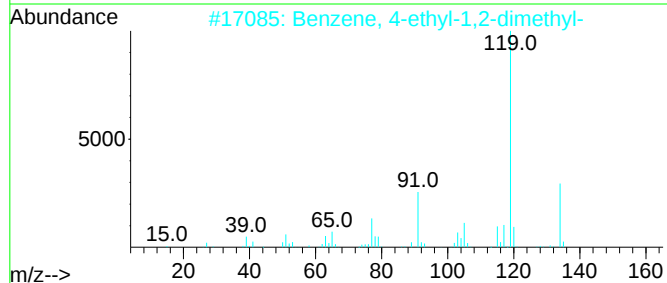
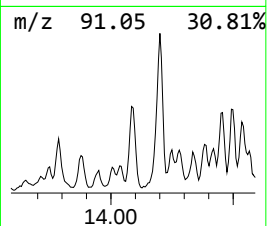
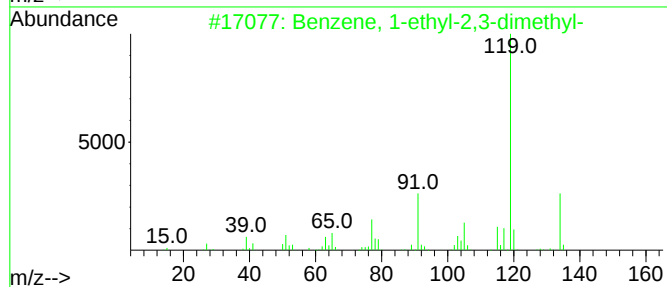
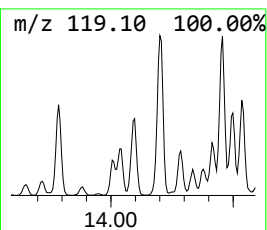
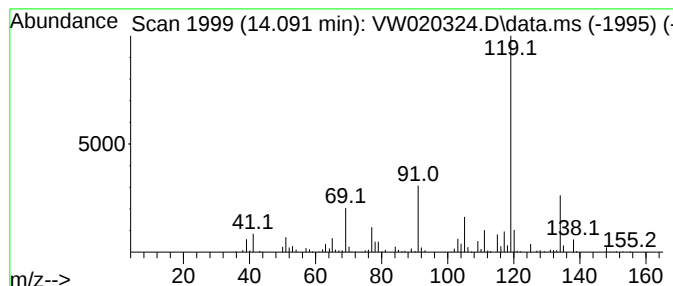
Instrument :
MSVOA_W
ClientSampleId :
EW921

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

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

Peak Number 29 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.091	20.32 ug/L	228412	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	94
3	p-Cymene		134	C10H14	000099-87-6	93
4	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	93
5	o-Cymene		134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

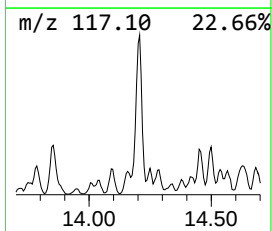
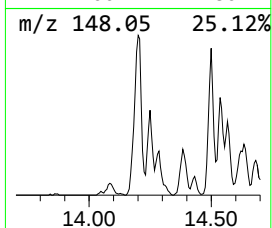
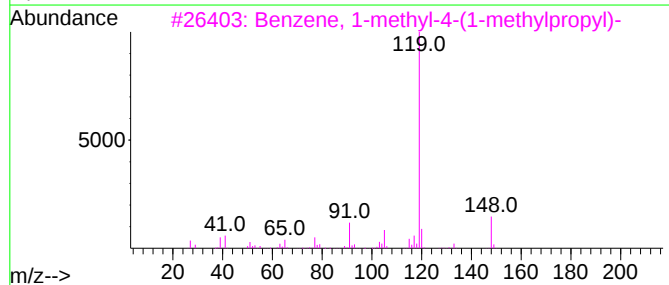
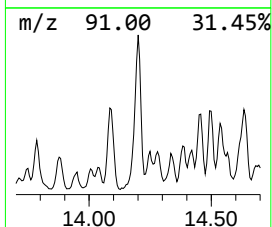
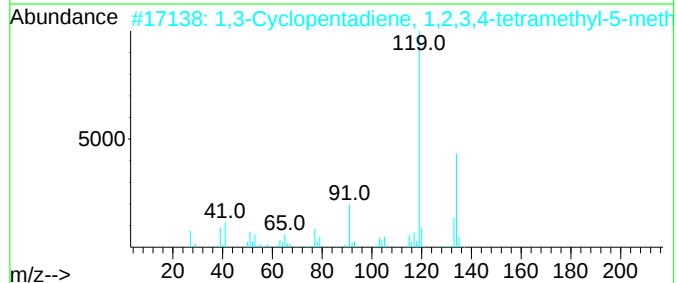
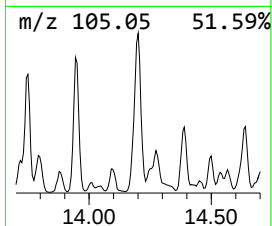
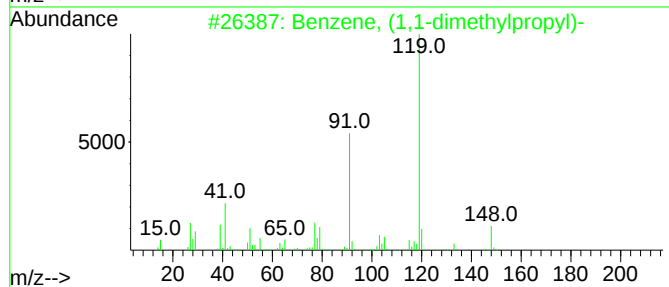
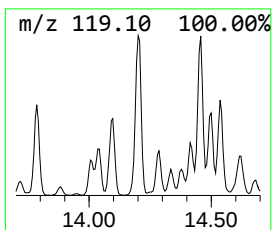
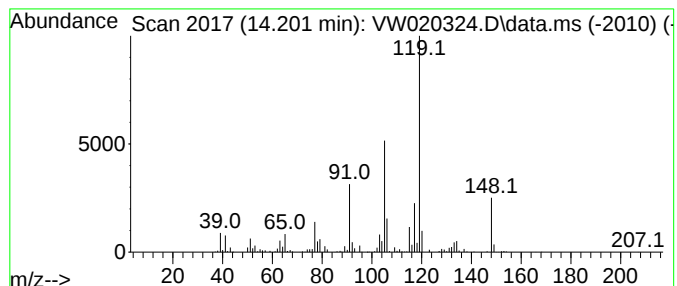
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Quant Title : SFAM01.0

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

Peak Number 30 Benzene, (1,1-dimethylpropyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	36.16 ug/L	406463	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	68
4			p-Cymene	134	C10H14	000099-87-6	64
5			o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

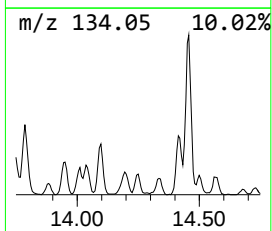
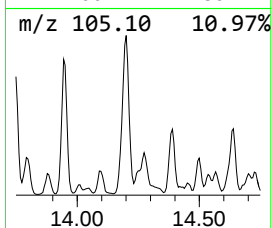
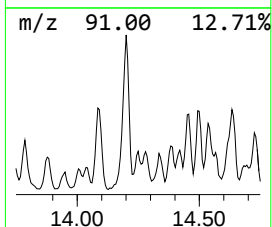
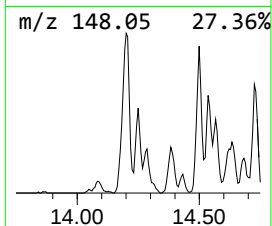
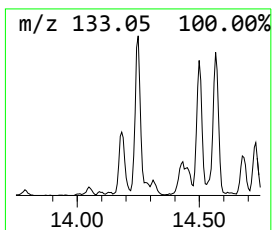
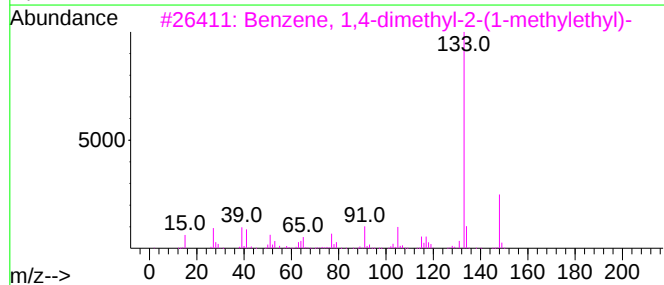
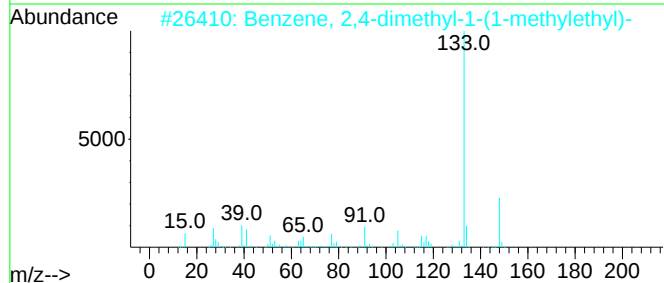
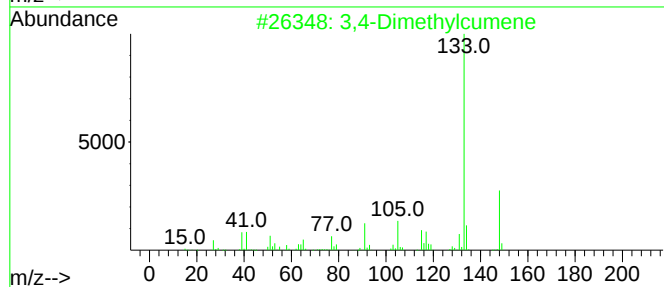
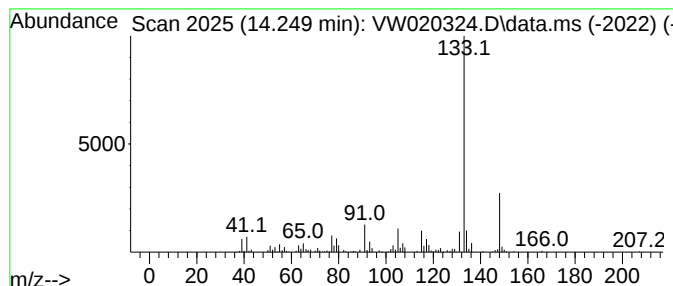
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Quant Title : SFAM01.0

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

Peak Number 31 3,4-Dimethylcumene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	7.13 ug/L	80134	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
2			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
3			Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	90
4			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
5			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

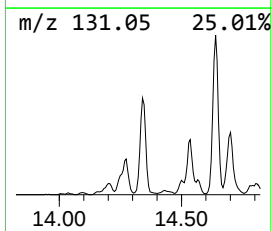
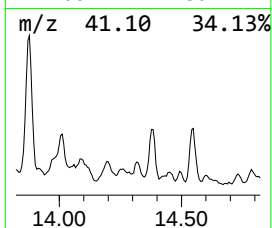
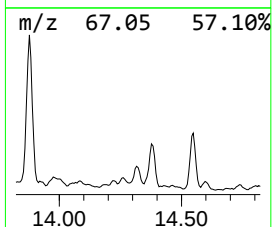
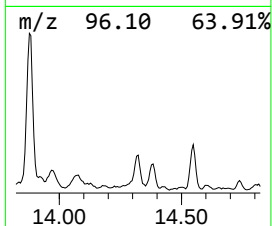
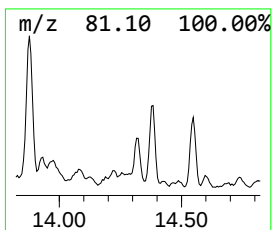
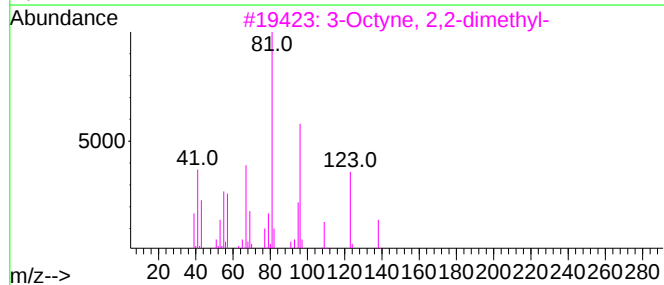
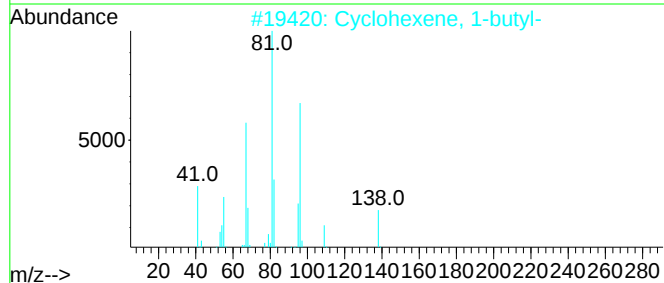
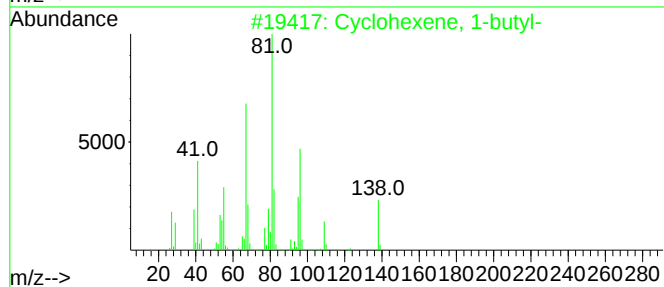
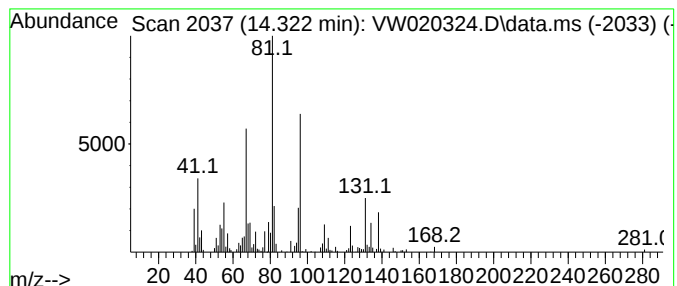
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Quant Title : SFAM01.0

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

Peak Number 32 Cyclohexene, 1-butyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	7.22 ug/L	81184	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	89
2			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	76
3			3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	62
4			1-Heptylcyclohexene	180	C13H24	015232-86-7	58
5			2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

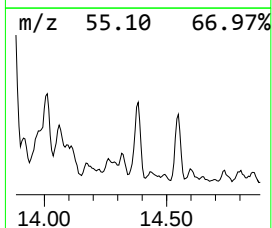
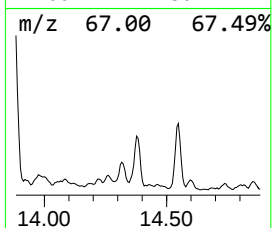
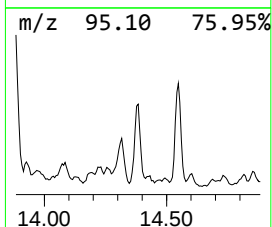
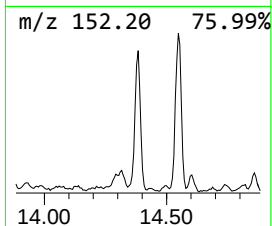
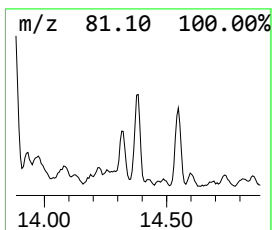
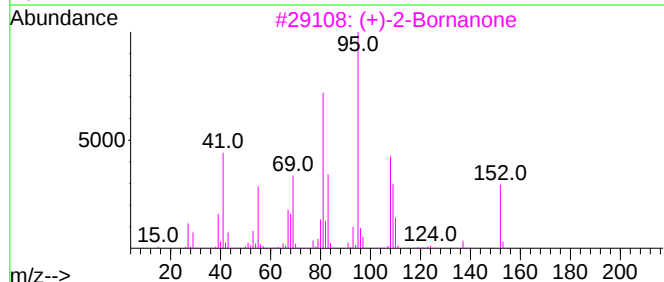
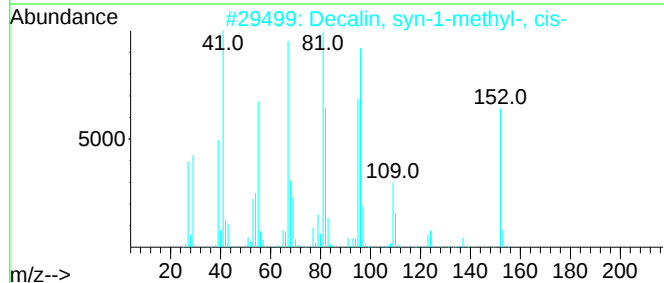
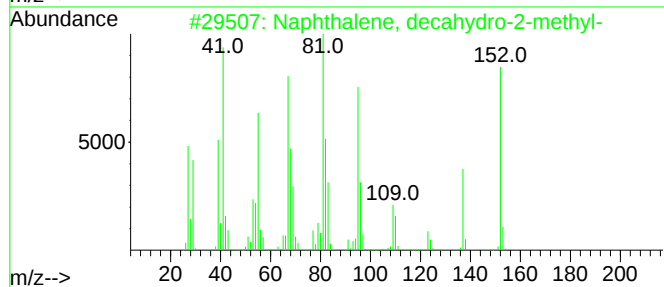
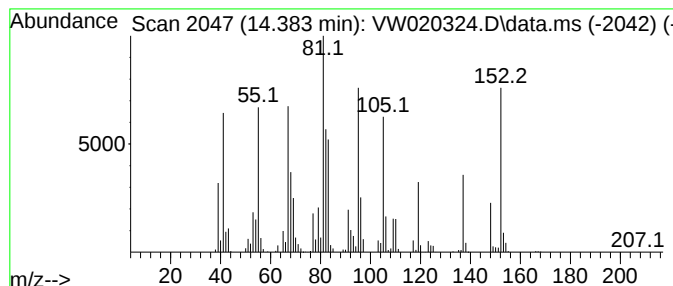
Instrument :
MSVOA_W
ClientSampleId :
EW921

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.383	21.25 ug/L	238825	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	97
2	Decalin, syn-1-methyl-, cis-		152	C11H20	1000158-89-1	70
3	(+) -2-Bornanone		152	C10H16O	000464-49-3	68
4	Cyclopentylcyclohexane		152	C11H20	001606-08-2	64
5	Pulegone		152	C10H16O	000089-82-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

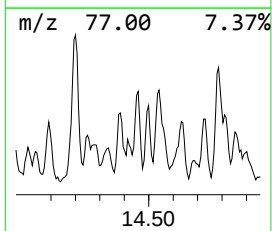
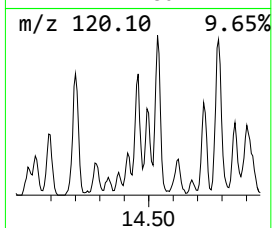
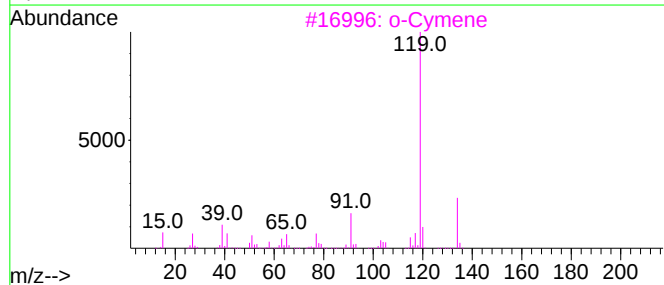
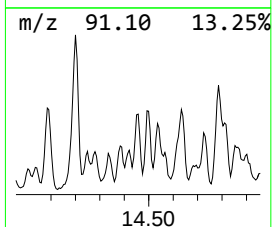
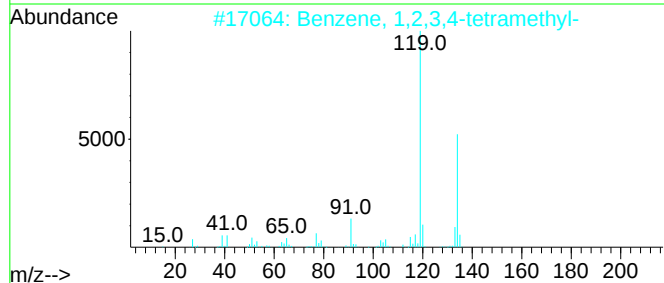
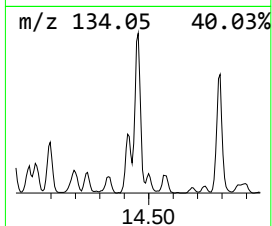
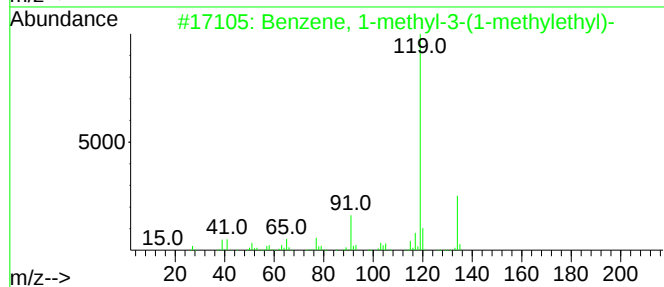
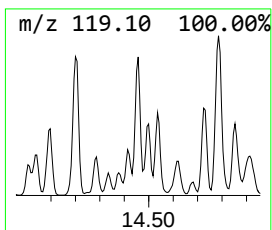
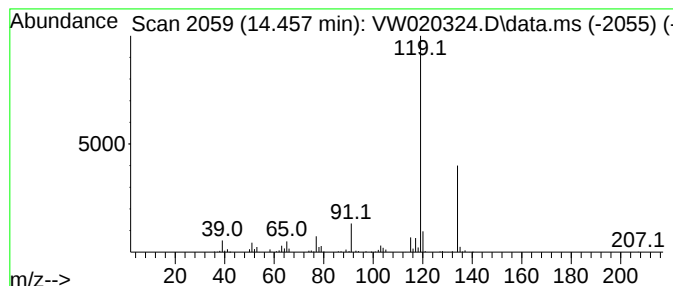
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-methyl-3-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	13.38 ug/L	150346	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3			o-Cymene	134	C10H14	000527-84-4	91
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

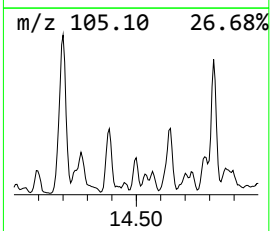
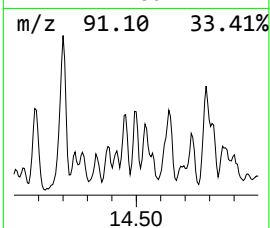
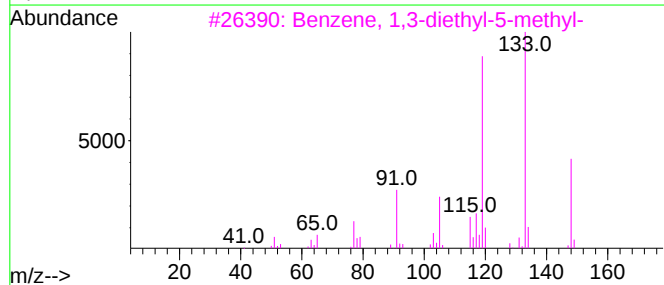
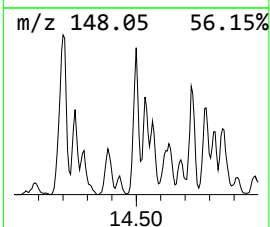
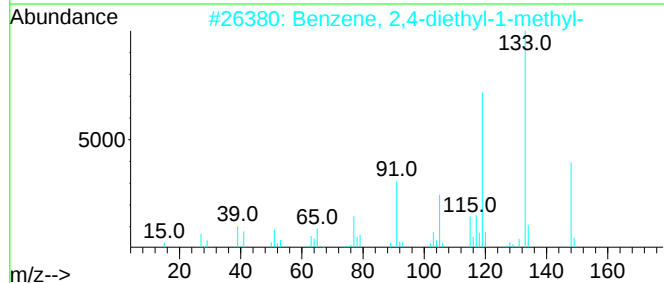
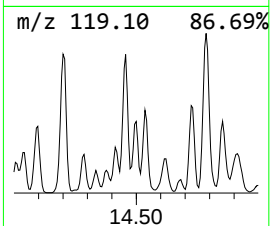
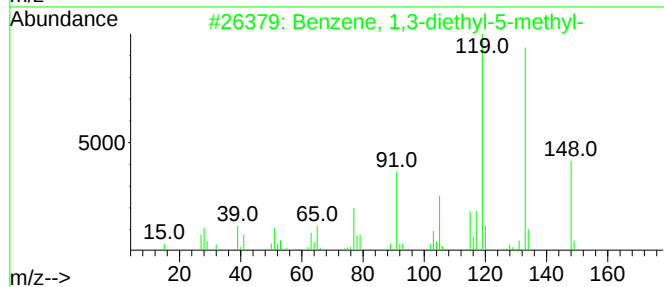
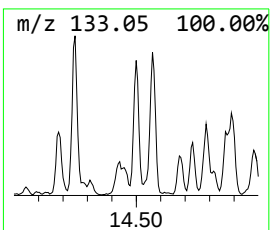
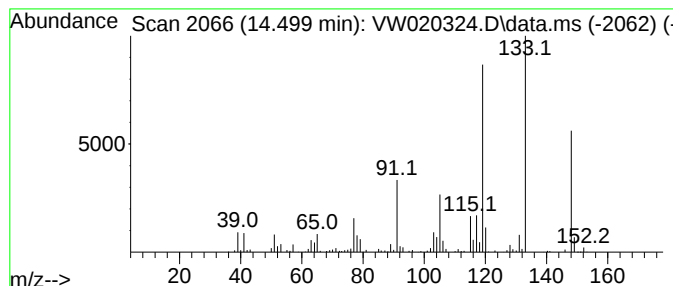
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	10.88 ug/L	122258	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
4			Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

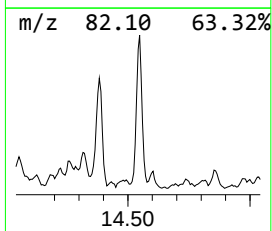
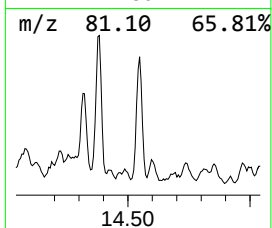
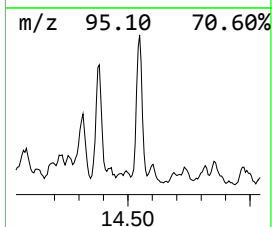
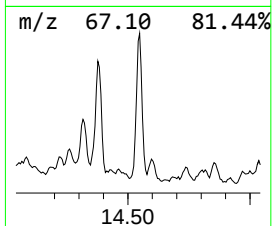
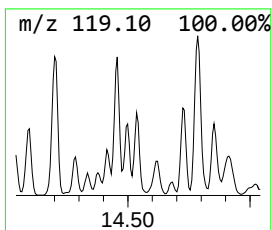
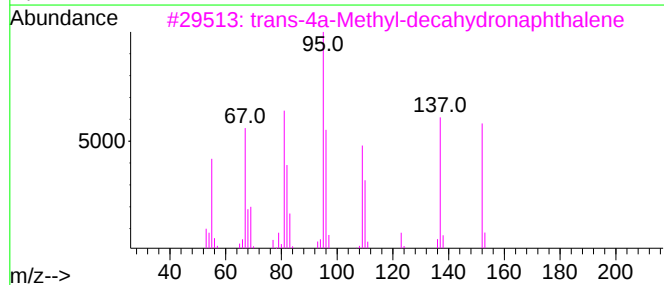
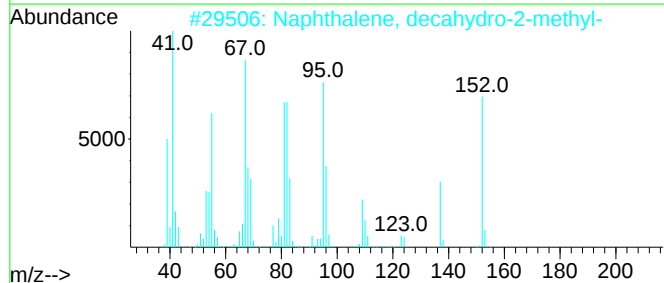
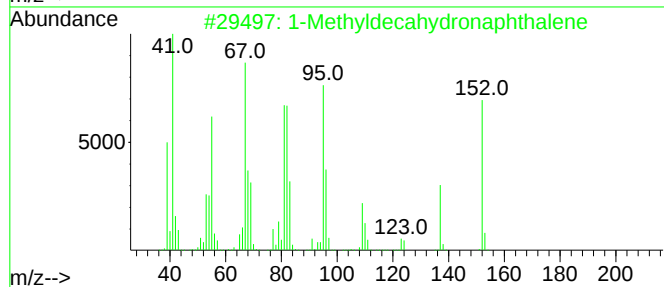
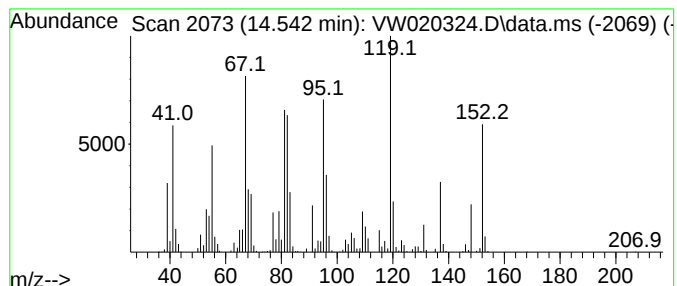
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Quant Title : SFAM01.0

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

Peak Number 36 1-Methyldecahydronaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	35.58 ug/L	399910	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	90
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

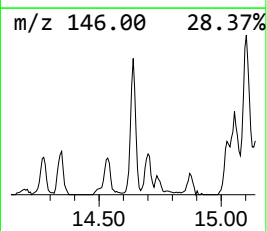
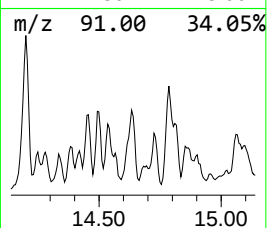
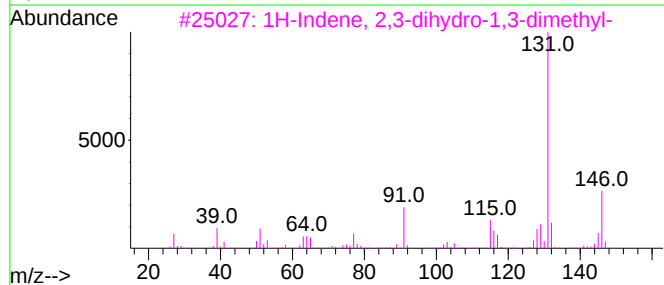
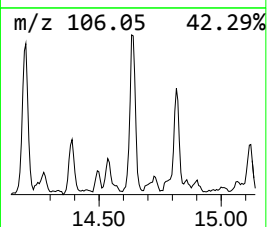
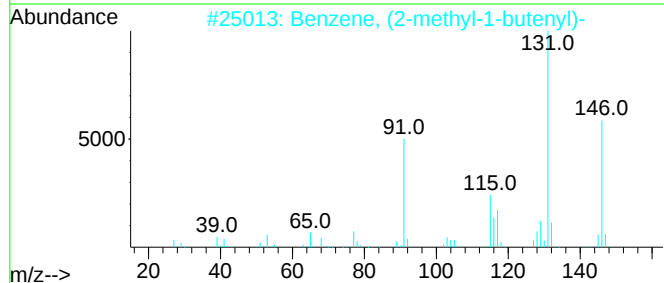
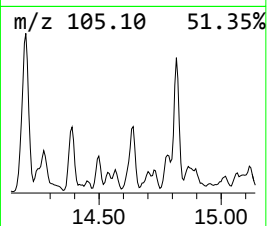
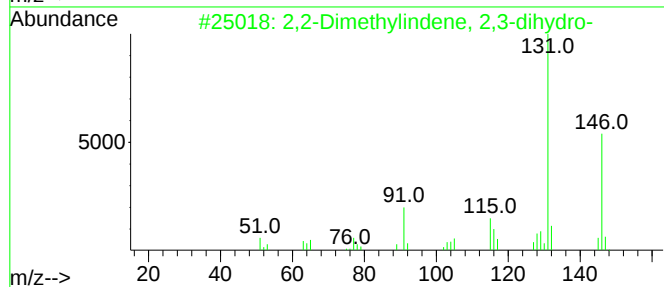
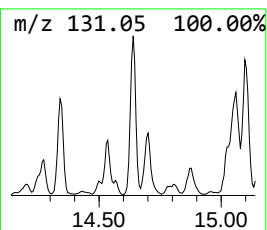
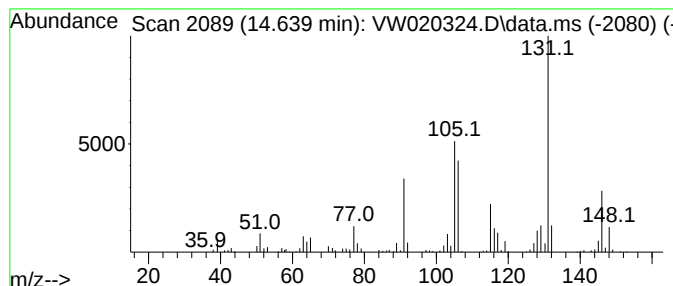
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Quant Title : SFAM01.0

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

Peak Number 37 2,2-Dimethylindene, 2,3-dih... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.640	17.87 ug/L	200909	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89		
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76		
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70		
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70		
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

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

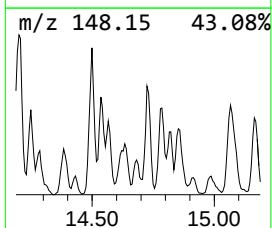
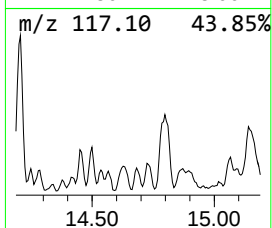
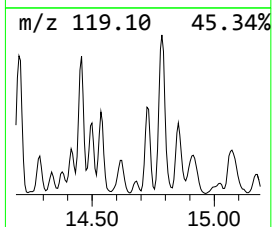
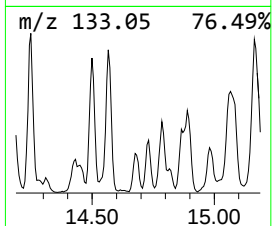
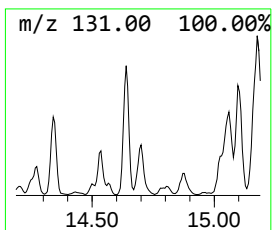
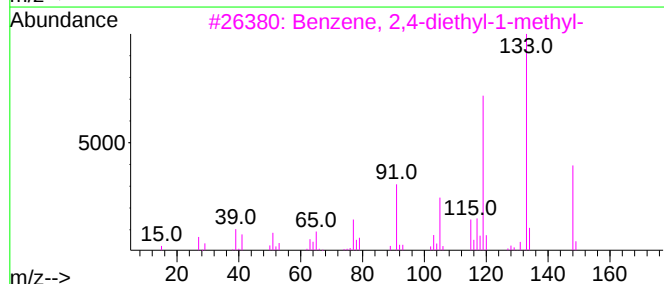
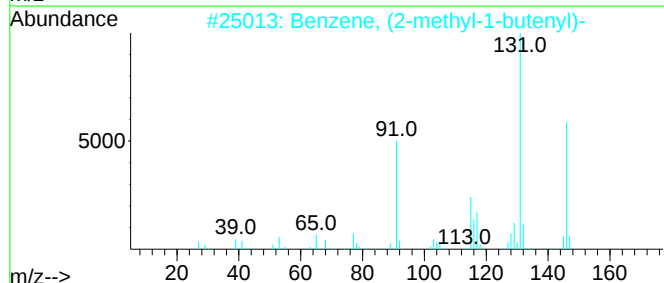
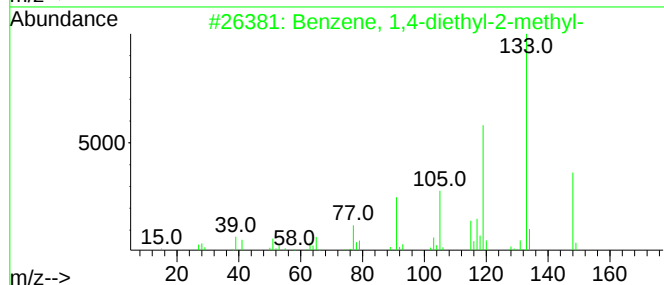
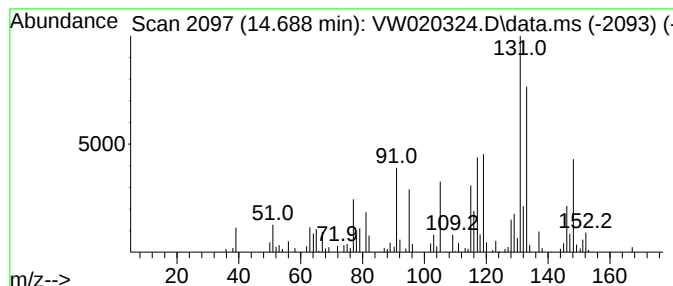
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 unknown-04

Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	4.79 ug/L	53808	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
5			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

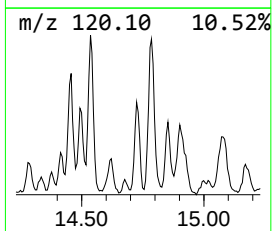
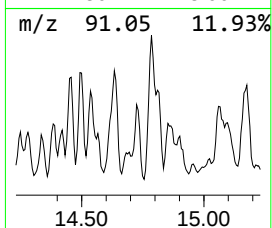
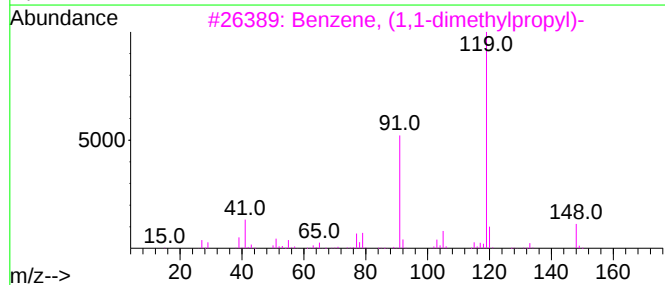
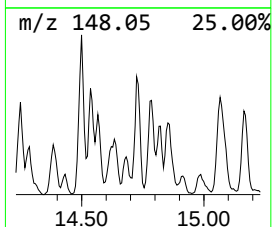
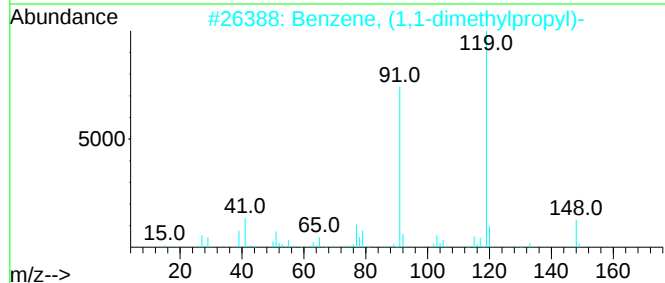
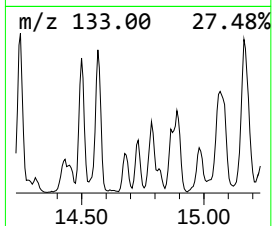
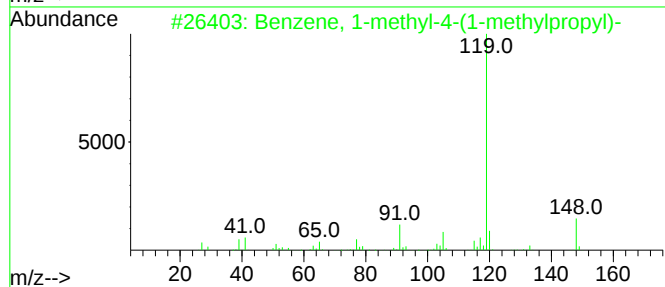
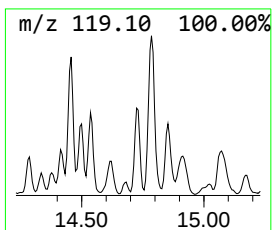
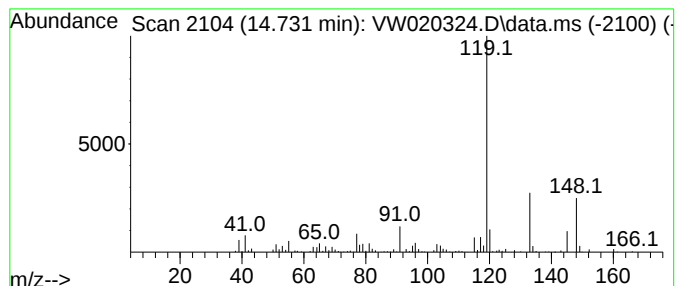
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Quant Title : SFAM01.0

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

Peak Number 39 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	12.23 ug/L	137448	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	52
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

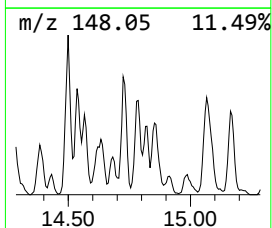
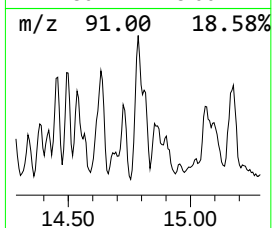
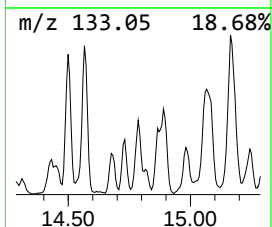
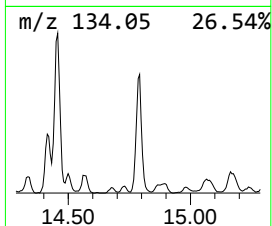
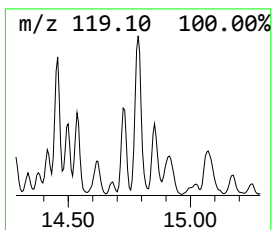
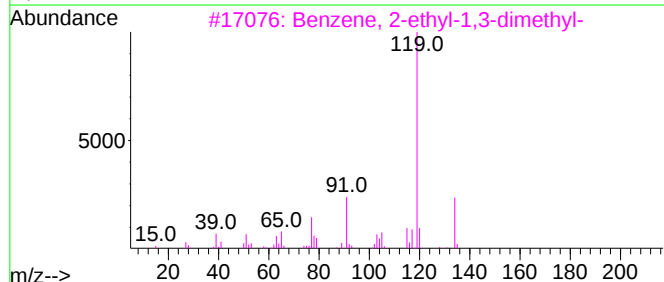
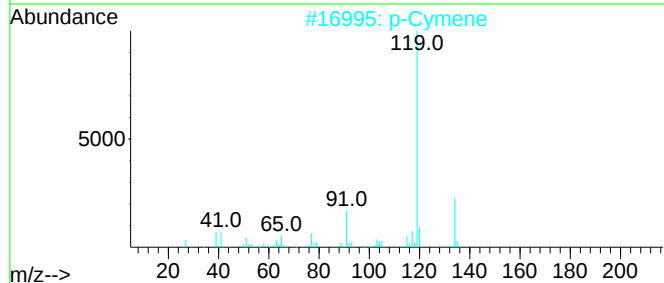
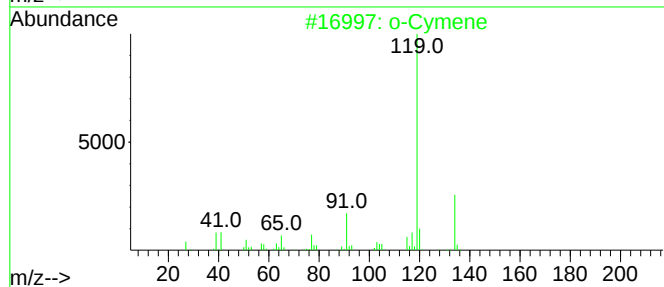
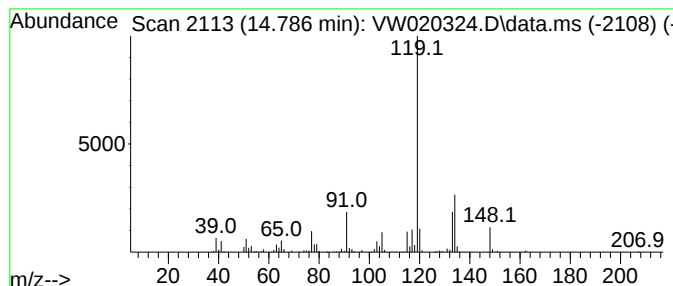
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Quant Title : SFAM01.0

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

Peak Number 40 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	27.37 ug/L	307667	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			p-Cymene	134	C10H14	000099-87-6	94
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

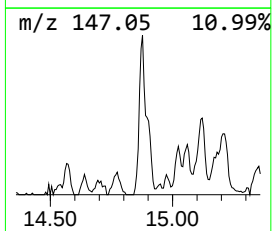
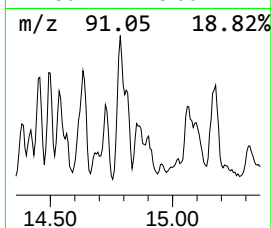
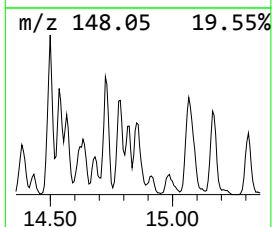
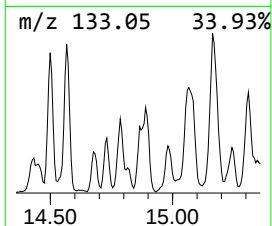
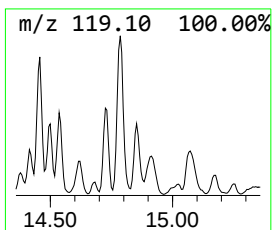
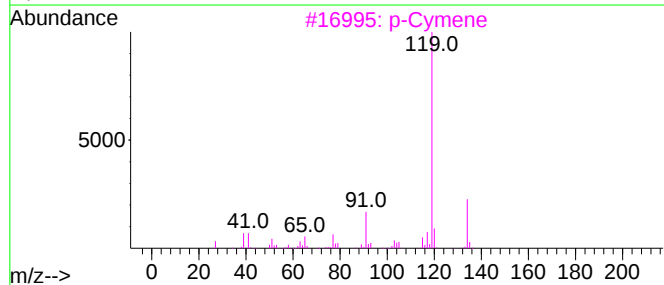
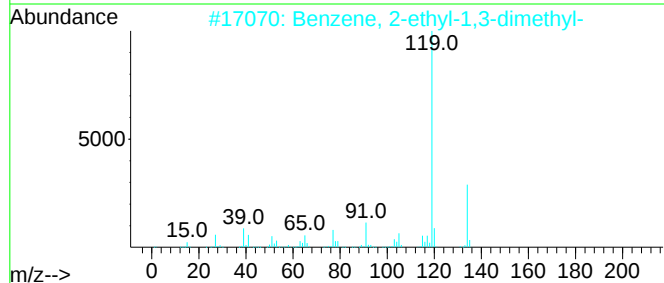
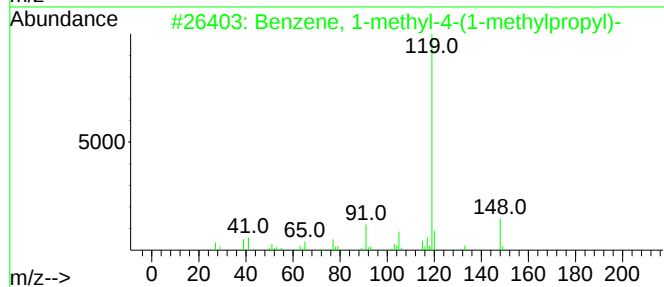
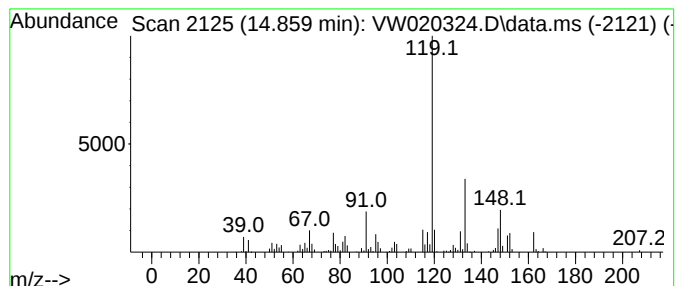
Instrument :
MSVOA_W
ClientSampleId :
EW921

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 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.859	8.87 ug/L	99722	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...		148	C11H16	001595-16-0	64
2	Benzene, 2-ethyl-1,3-dimethyl-		134	C10H14	002870-04-4	55
3	p-Cymene		134	C10H14	000099-87-6	55
4	o-Cymene		134	C10H14	000527-84-4	55
5	o-Cymene		134	C10H14	000527-84-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

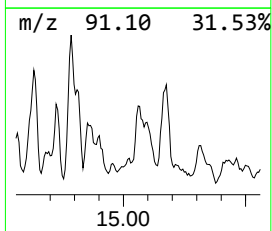
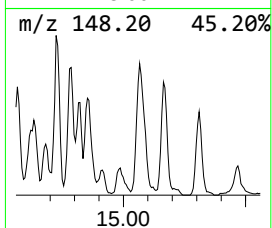
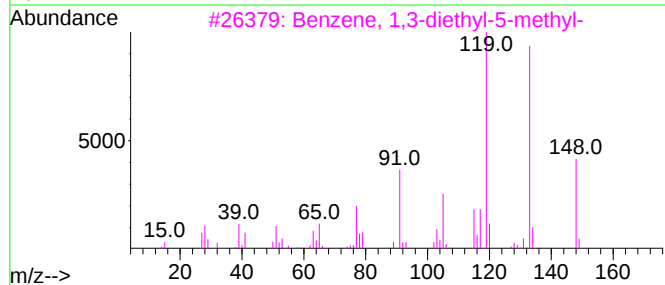
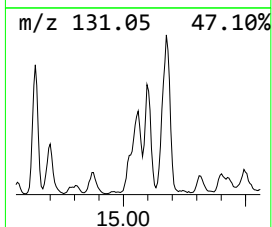
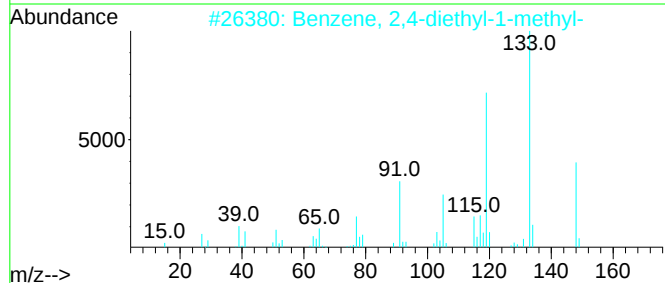
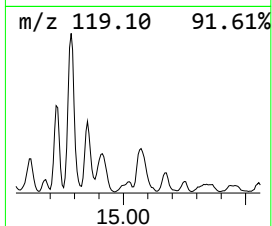
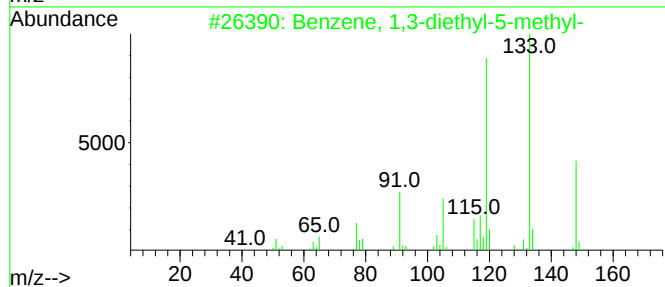
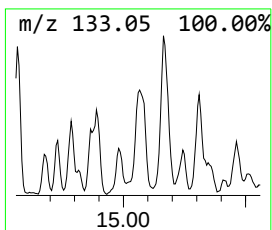
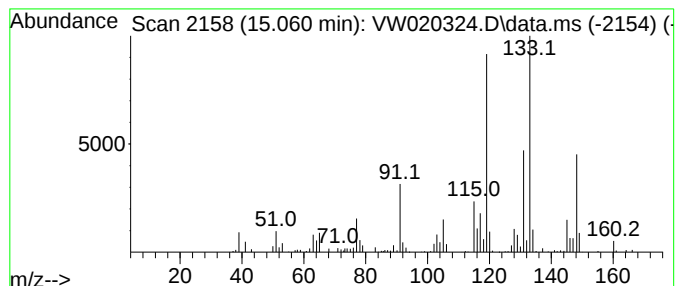
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	11.69 ug/L	131382	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	90
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	89
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	74
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

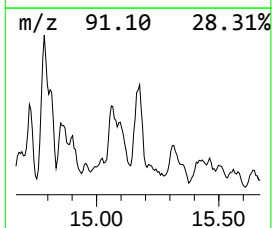
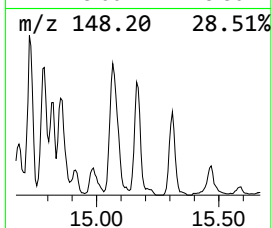
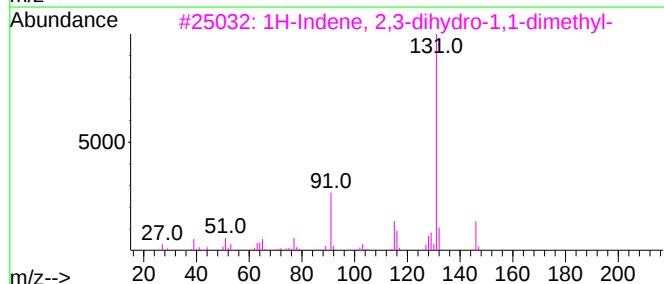
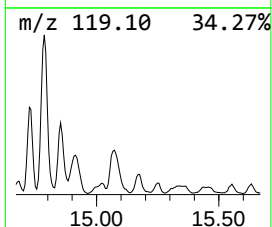
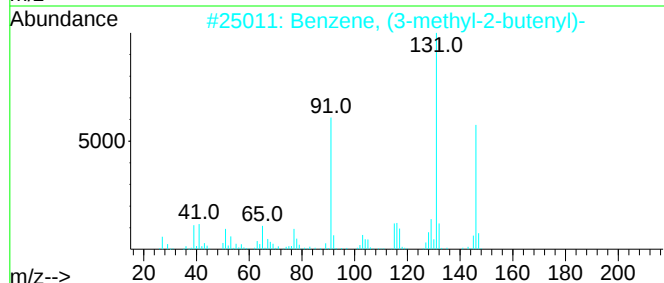
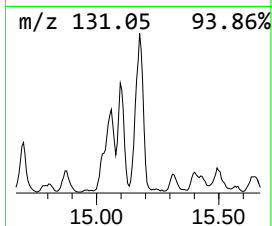
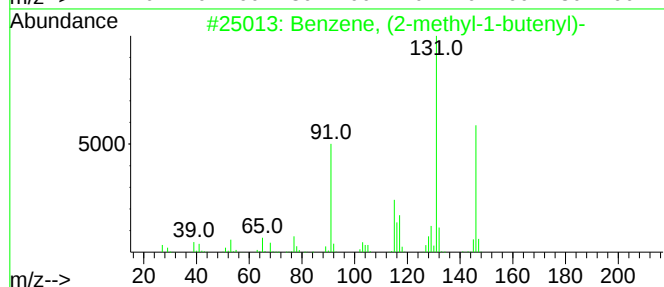
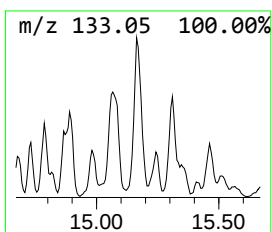
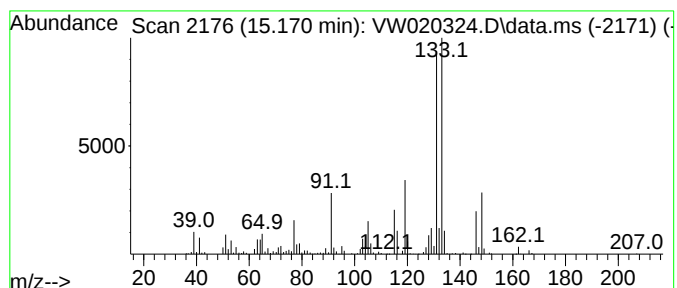
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	21.44 ug/L	241040	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
3			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

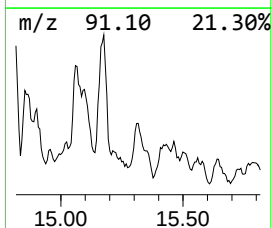
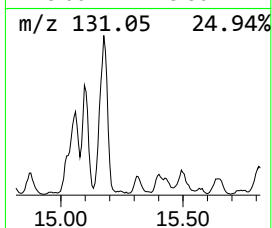
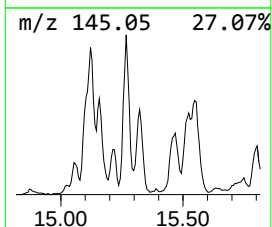
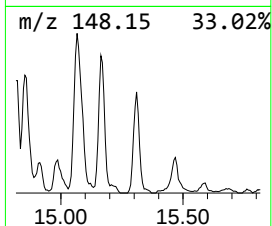
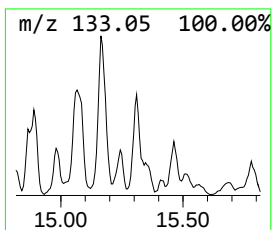
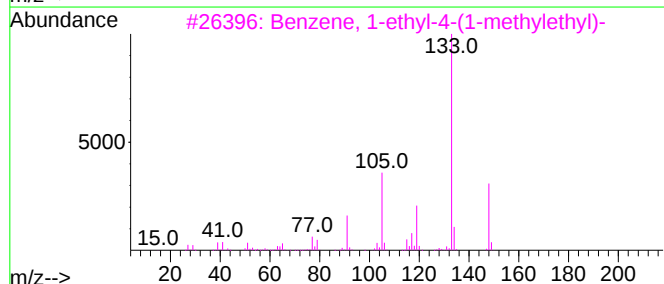
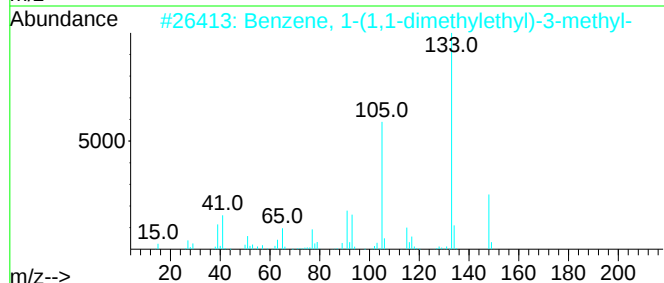
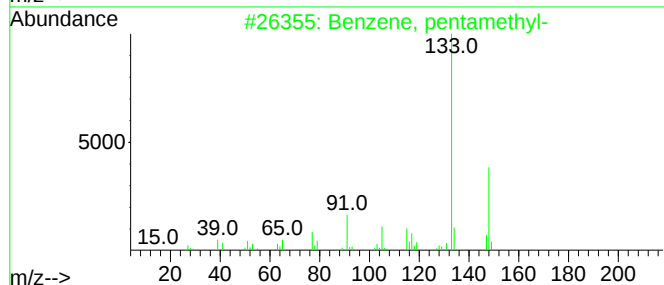
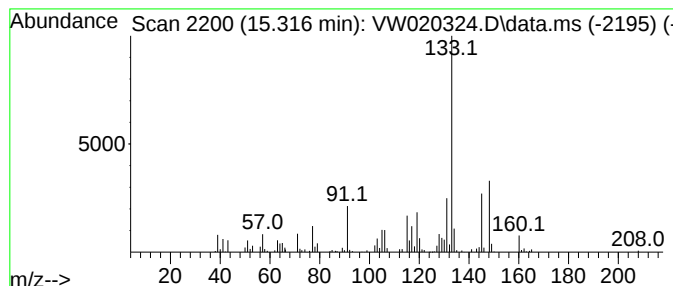
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, pentamethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	12.08 ug/L	135840	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	70
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	70
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68
5			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

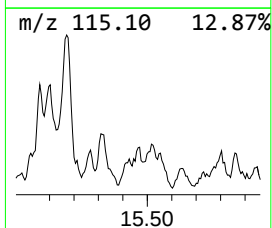
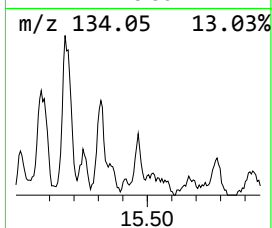
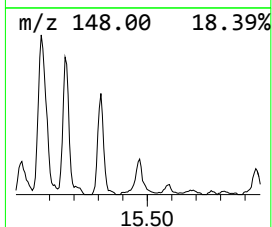
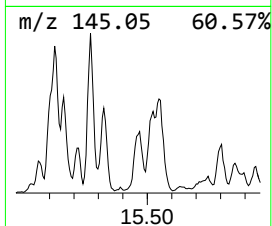
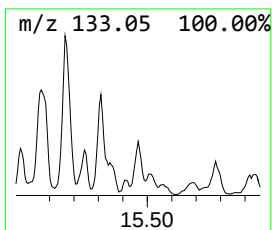
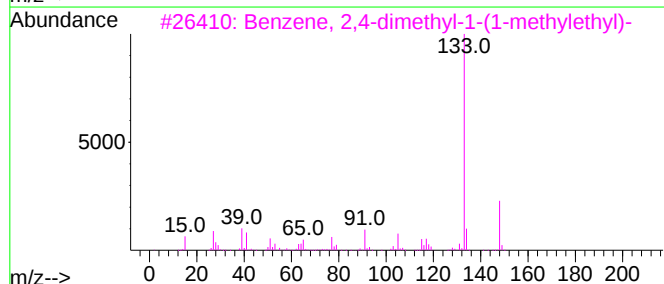
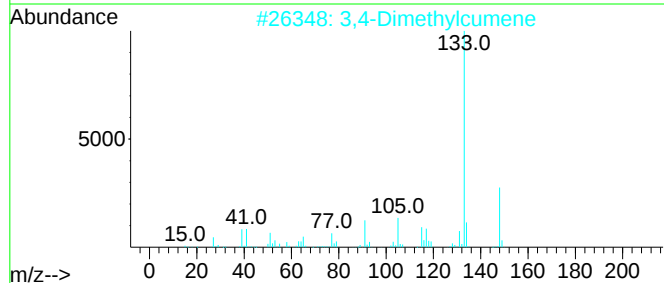
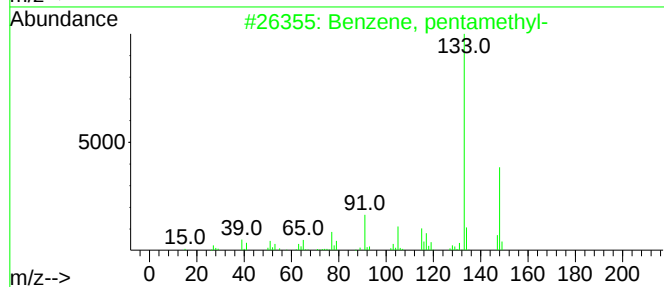
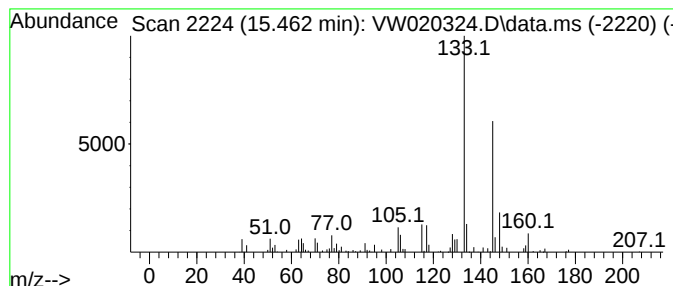
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Quant Title : SFAM01.0

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

Peak Number 46 unknown-05 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	6.19 ug/L	69615	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	58
2			3,4-Dimethylcumene	148	C11H16	1000370-34-1	53
3			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	49
4			4-tert-Butyltoluene	148	C11H16	000098-51-1	49
5			Benzoxazole, 2-methyl-	133	C8H7NO	000095-21-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

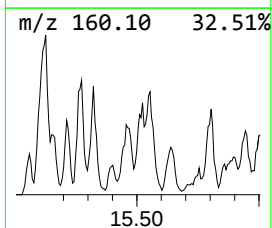
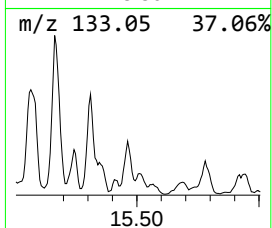
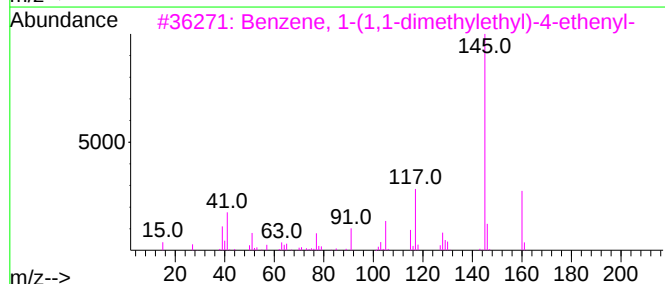
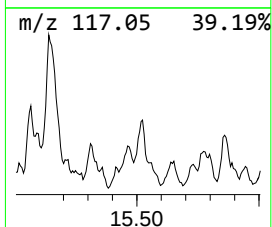
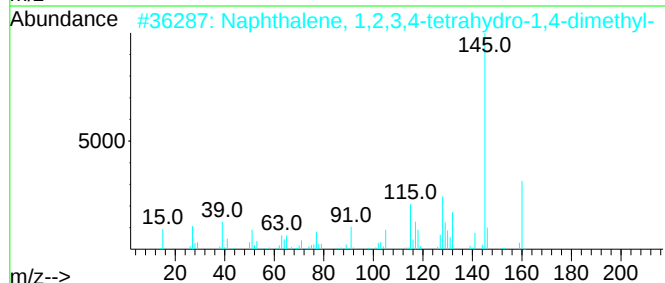
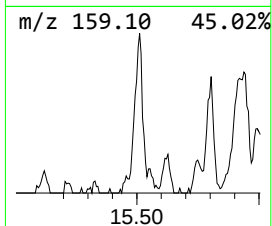
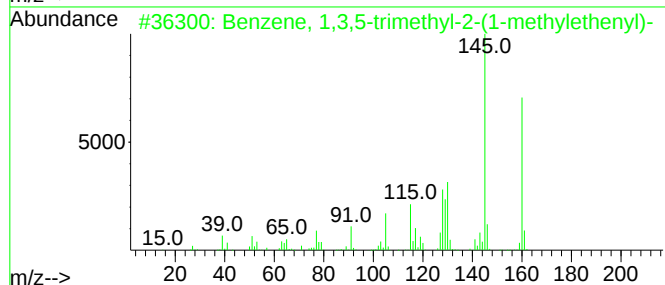
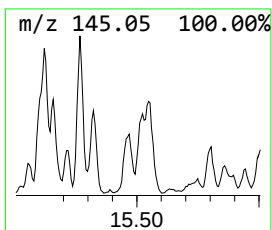
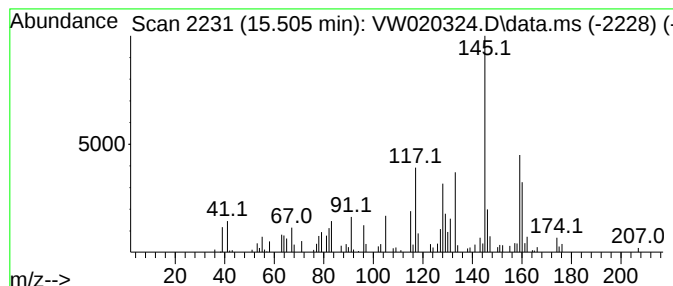
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Quant Title : SFAM01.0

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

Peak Number 47 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.505	6.95 ug/L	78088	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
3			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	49
4			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	46
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

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

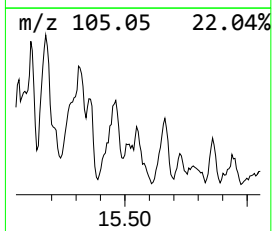
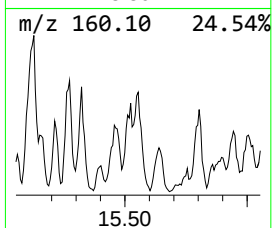
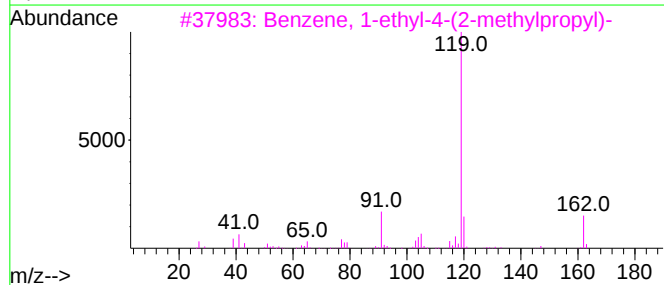
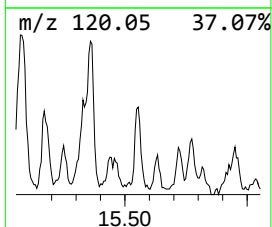
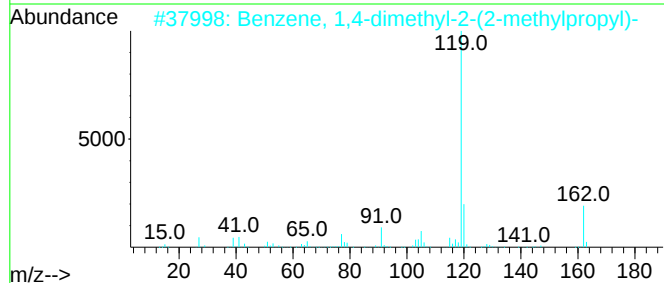
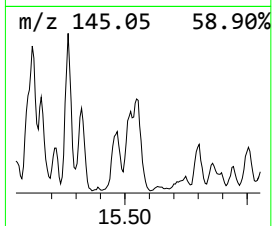
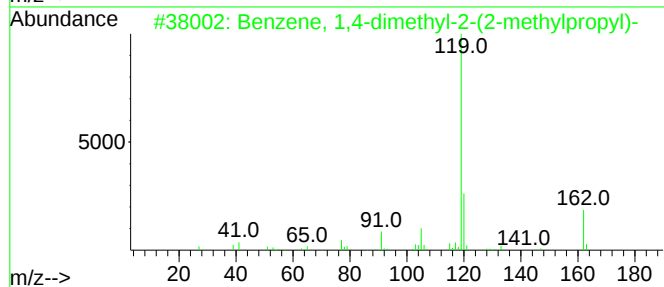
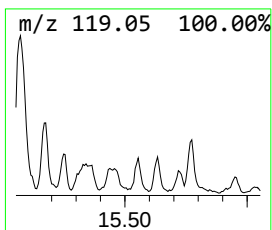
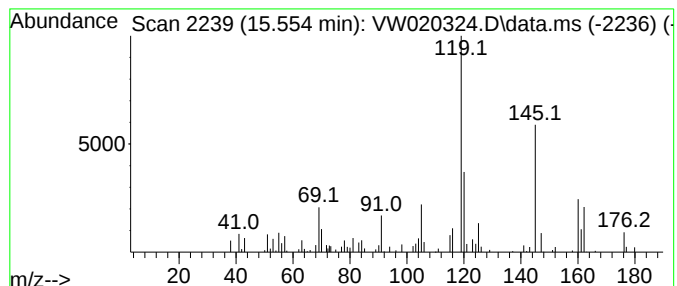
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 unknown-06

Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.554	7.40 ug/L	83136	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	46
2			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	43
3			Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	38
4			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
5			2,4-imidazolidinedione, 3-phenyl-	176	C9H8N2O2	1000404-72-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

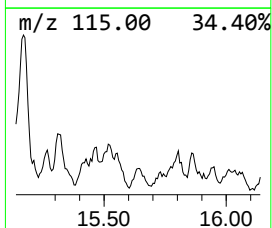
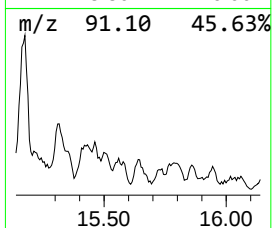
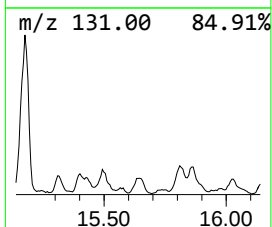
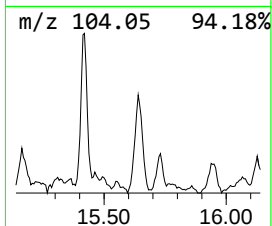
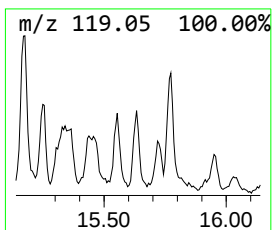
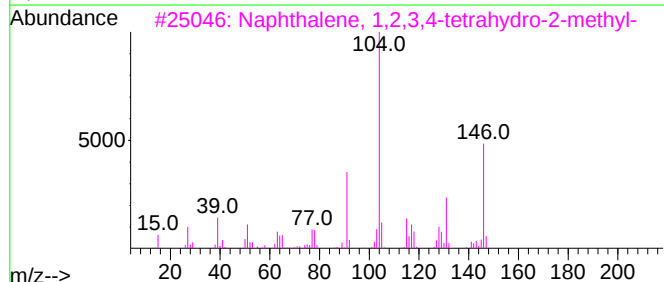
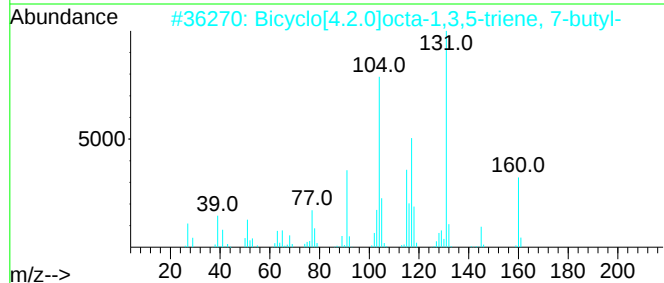
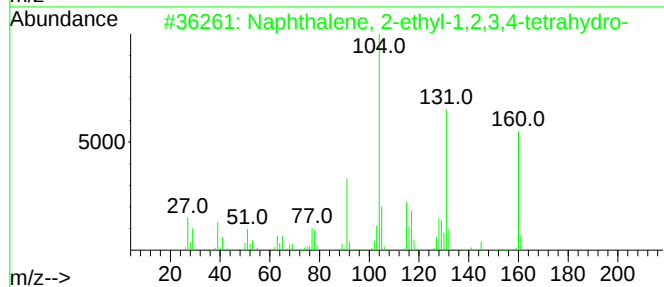
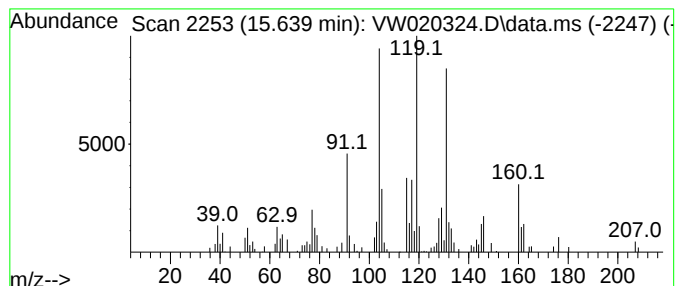
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Quant Title : SFAM01.0

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

Peak Number 49 Naphthalene, 2-ethyl-1,2,3,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.639	4.90 ug/L	55126	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	83
2			Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	46
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	43
4			Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	42
5			2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW921

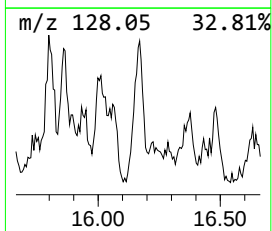
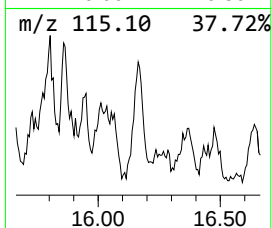
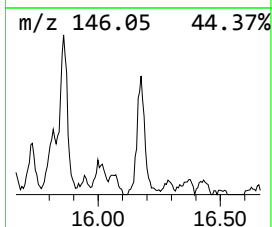
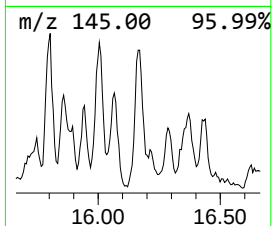
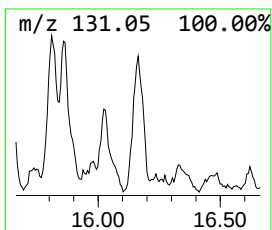
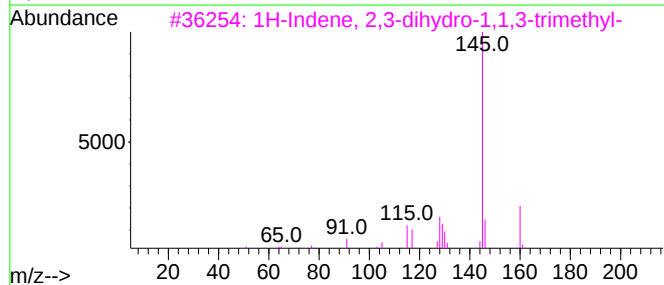
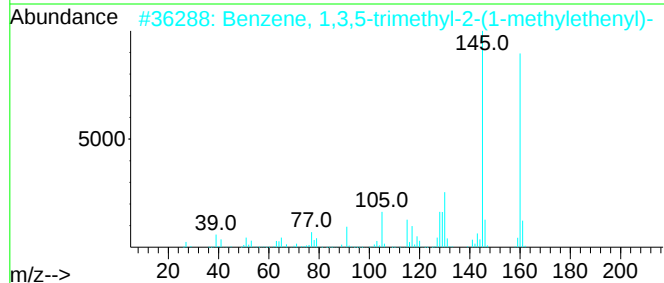
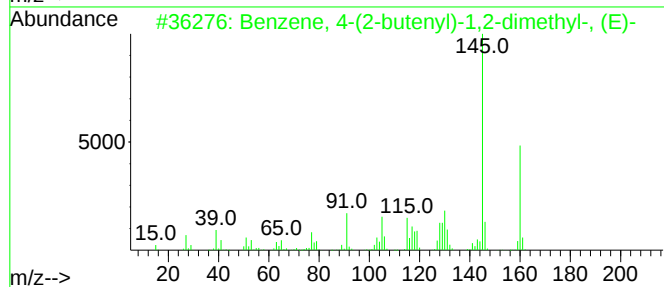
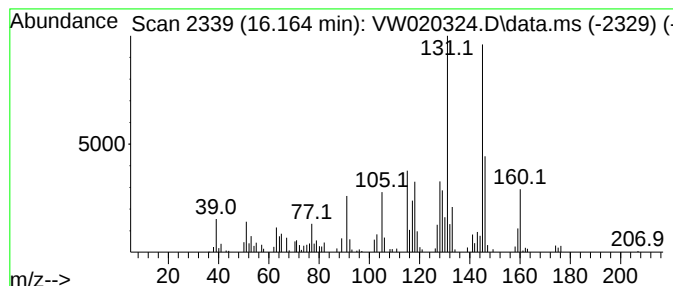
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.164	7.82 ug/L	87937	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	55
2			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50
3			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	46
4			4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	45
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020324.D
 Acq On : 06 Oct 2021 19:47
 Operator : SY/VA
 Sample : M4001-08
 Misc : 6.21g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW921

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	1.959	2.0	ug/L	45564	1	8.848	573119	25.0
(DEL) Alkane: C...	9.750	1.5	ug/L	33548	1	8.848	573119	25.0
(DEL) Alkane: C...	10.506	1.9	ug/L	37970	2	11.628	513559	25.0
(DEL) Alkane: C...	10.665	2.6	ug/L	53877	2	11.628	513559	25.0
(DEL) Alkane: C...	11.232	9.2	ug/L	189635	2	11.628	513559	25.0
(DEL) Alkane: S...	11.329	3.0	ug/L	62756	2	11.628	513559	25.0
(DEL) Alkane: C...	11.433	5.4	ug/L	110914	2	11.628	513559	25.0
(DEL) Alkane: S...	11.975	3.5	ug/L	71843	2	11.628	513559	25.0
(DEL) Alkane: C...	12.298	3.1	ug/L	64494	2	11.628	513559	25.0
(DEL) Alkane: S...	12.359	29.0	ug/L	595018	2	11.628	513559	25.0
(DEL) Alkane: C...	12.451	3.1	ug/L	64476	2	11.628	513559	25.0
(1,2,4-Trimethy...	12.615	5.0	ug/L	56622	3	13.554	281012	25.0
(DEL) Alkane: C...	12.780	72.2	ug/L	811374	3	13.554	281012	25.0
unknown-01	12.859	26.0	ug/L	291846	3	13.554	281012	25.0
(DEL) Alkane: C...	13.048	2.9	ug/L	32053	3	13.554	281012	25.0
(DEL) Alkane: C...	13.079	12.2	ug/L	137582	3	13.554	281012	25.0
Cyclohexene, 1-...	13.170	27.5	ug/L	309510	3	13.554	281012	25.0
(DEL) Alkane: C...	13.378	5.0	ug/L	55972	3	13.554	281012	25.0
p-Cymene	13.438	25.2	ug/L	283220	3	13.554	281012	25.0
unknown-02	13.481	7.5	ug/L	84134	3	13.554	281012	25.0
Cyclopentane, 1...	13.627	7.0	ug/L	78995	3	13.554	281012	25.0
(DEL) Alkane: S...	13.695	23.1	ug/L	260024	3	13.554	281012	25.0
Benzene, 1-meth...	13.743	4.9	ug/L	55436	3	13.554	281012	25.0
Benzene, 1-ethy...	13.786	7.8	ug/L	87089	3	13.554	281012	25.0
unknown-03	14.012	8.7	ug/L	98089	3	13.554	281012	25.0
Benzene, 1-ethy...	14.091	20.3	ug/L	228412	3	13.554	281012	25.0
Benzene, (1,1-d...	14.201	36.2	ug/L	406463	3	13.554	281012	25.0
3,4-Dimethylcumene	14.249	7.1	ug/L	80134	3	13.554	281012	25.0
Cyclohexene, 1-...	14.322	7.2	ug/L	81184	3	13.554	281012	25.0
Naphthalene, de...	14.383	21.3	ug/L	238825	3	13.554	281012	25.0
Benzene, 1-meth...	14.457	13.4	ug/L	150346	3	13.554	281012	25.0
Benzene, 1,3-di...	14.499	10.9	ug/L	122258	3	13.554	281012	25.0
1-Methyldecahyd...	14.542	35.6	ug/L	399910	3	13.554	281012	25.0
2,2-Dimethylind...	14.640	17.9	ug/L	200909	3	13.554	281012	25.0
unknown-04	14.688	4.8	ug/L	53808	3	13.554	281012	25.0
Benzene, 1-meth...	14.731	12.2	ug/L	137448	3	13.554	281012	25.0
o-Cymene	14.786	27.4	ug/L	307667	3	13.554	281012	25.0
Benzene, 2-ethy...	14.859	8.9	ug/L	99722	3	13.554	281012	25.0
Benzene, 2,4-di...	15.060	11.7	ug/L	131382	3	13.554	281012	25.0
Benzene, (2-met...	15.170	21.4	ug/L	241040	3	13.554	281012	25.0
Benzene, pentam...	15.316	12.1	ug/L	135840	3	13.554	281012	25.0
unknown-05	15.463	6.2	ug/L	69615	3	13.554	281012	25.0
Benzene, 1,3,5-...	15.505	7.0	ug/L	78088	3	13.554	281012	25.0
unknown-06	15.554	7.4	ug/L	83136	3	13.554	281012	25.0
Naphthalene, 2-...	15.639	4.9	ug/L	55126	3	13.554	281012	25.0
Benzene, 4-(2-b...	16.164	7.8	ug/L	87937	3	13.554	281012	25.0