

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020352.D
 Acq On : 07 Oct 2021 07:27
 Operator : SY/VA
 Sample : M4000-15
 Misc : 7.39g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW908

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: VW020352.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	64	74	83	rVB2	126424	223179	3.07%	0.234%
2	2.885	154	161	171	rVB	44509	91960	1.27%	0.096%
3	4.019	336	347	359	rBV	138633	401709	5.53%	0.421%
4	4.385	396	407	421	rBV	48025	142644	1.96%	0.149%
5	4.915	482	494	519	rBV	26612	98793	1.36%	0.103%
6	7.080	841	849	856	rVV	27741	77551	1.07%	0.081%
7	7.171	856	864	878	rVB	98299	266201	3.66%	0.279%
8	7.653	931	943	958	rBV	196057	490923	6.75%	0.514%
9	8.037	999	1006	1019	rVB	39488	99226	1.37%	0.104%
10	8.281	1031	1046	1060	rBV2	404337	1181380	16.25%	1.237%
11	8.427	1061	1070	1079	rBV3	22519	68587	0.94%	0.072%
12	8.842	1128	1138	1150	rBV	432447	868531	11.95%	0.909%
13	9.079	1167	1177	1184	rBV3	74758	184060	2.53%	0.193%
14	9.280	1201	1210	1216	rBV4	314038	931976	12.82%	0.976%
15	9.384	1223	1227	1236	rVB	148938	288686	3.97%	0.302%
16	9.610	1253	1264	1272	rVB	320611	682797	9.39%	0.715%
17	9.750	1280	1287	1301	rVB2	324245	651204	8.96%	0.682%
18	9.896	1301	1311	1314	rBV3	39643	82606	1.14%	0.086%
19	9.945	1314	1319	1325	rVB	121593	219451	3.02%	0.230%
20	10.036	1325	1334	1337	rBV	134420	238079	3.28%	0.249%
21	10.079	1337	1341	1347	rVB	172655	311028	4.28%	0.326%
22	10.213	1356	1363	1366	rBV	129177	253827	3.49%	0.266%
23	10.250	1366	1369	1374	rVB2	97760	160560	2.21%	0.168%
24	10.323	1374	1381	1394	rBV	800750	1512077	20.80%	1.583%
25	10.506	1404	1411	1418	rVB4	171278	432159	5.95%	0.452%
26	10.579	1418	1423	1425	rBV	96949	155666	2.14%	0.163%
27	10.622	1425	1430	1434	rBV	324893	528175	7.27%	0.553%
28	10.664	1434	1437	1445	rVB	492305	822498	11.32%	0.861%
29	10.762	1445	1453	1458	rBV4	221291	561136	7.72%	0.587%
30	10.847	1463	1467	1472	rVB	205282	338829	4.66%	0.355%
31	10.939	1472	1482	1488	rBV	2632921	4549472	62.59%	4.763%
32	11.036	1488	1498	1506	rBV2	762293	1712002	23.55%	1.792%
33	11.116	1506	1511	1513	rBV	171340	270402	3.72%	0.283%
34	11.146	1513	1516	1519	rVB	118725	143714	1.98%	0.150%
35	11.231	1523	1530	1536	rBV	1820745	3450451	47.47%	3.612%
36	11.286	1536	1539	1542	rBV2	221660	266889	3.67%	0.279%

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

37	11.329	1542	1546	1551	rVB	709887	1174048	16.15%	1.229%
38	11.384	1551	1555	1559	rBV	180483	263326	3.62%	0.276%
39	11.439	1559	1564	1572	rVB	1034633	1890362	26.01%	1.979%
40	11.561	1572	1584	1591	rBV6	188552	745339	10.25%	0.780%
41	11.634	1591	1596	1600	rBV	531718	947120	13.03%	0.992%
42	11.768	1609	1618	1622	rBV	619611	1098166	15.11%	1.150%
43	11.817	1622	1626	1630	rVV3	276372	447973	6.16%	0.469%
44	11.878	1630	1636	1638	rVV	592728	1041735	14.33%	1.091%
45	11.914	1639	1642	1647	rVB3	691270	1171108	16.11%	1.226%
46	11.975	1647	1652	1656	rBV2	441836	841062	11.57%	0.880%
47	12.067	1664	1667	1672	rVB4	204526	319805	4.40%	0.335%
48	12.140	1672	1679	1685	rBV2	1731089	3587398	49.35%	3.756%
49	12.256	1690	1698	1703	rVV	4420760	7268750	100.00%	7.609%
50	12.365	1703	1716	1721	rVV2	2410816	6037512	83.06%	6.321%
51	12.420	1721	1725	1727	rVV2	330995	588418	8.10%	0.616%
52	12.451	1727	1730	1735	rVV2	547768	1175530	16.17%	1.231%
53	12.512	1736	1740	1752	rVB6	766224	2521346	34.69%	2.640%
54	12.615	1752	1757	1761	rBV3	261522	493683	6.79%	0.517%
55	12.701	1764	1771	1775	rBV4	536351	1095775	15.08%	1.147%
56	12.780	1780	1784	1790	rVB2	1446378	2536560	34.90%	2.655%
57	12.859	1790	1797	1802	rBV4	587967	1343740	18.49%	1.407%
58	12.926	1802	1808	1817	rBV6	753437	2278735	31.35%	2.386%
59	13.079	1823	1833	1837	rBV3	640392	1426759	19.63%	1.494%
60	13.127	1837	1841	1843	rVV3	636539	1010246	13.90%	1.058%
61	13.164	1843	1847	1854	rVB	3068002	4661192	64.13%	4.880%
62	13.292	1860	1868	1872	rBV2	533974	1053389	14.49%	1.103%
63	13.341	1872	1876	1880	rBV	769425	1139975	15.68%	1.193%
64	13.438	1886	1892	1896	rBV7	270239	646381	8.89%	0.677%
65	13.481	1896	1899	1903	rVB	568674	721190	9.92%	0.755%
66	13.518	1903	1905	1908	rBV3	98498	93324	1.28%	0.098%
67	13.554	1908	1911	1919	rVB2	597925	1123011	15.45%	1.176%
68	13.621	1919	1922	1928	rBV5	133568	212803	2.93%	0.223%
69	13.694	1929	1934	1938	rBV3	350535	575665	7.92%	0.603%
70	13.737	1938	1941	1947	rVB3	202565	310793	4.28%	0.325%
71	13.804	1948	1952	1953	rBV2	141695	194870	2.68%	0.204%
72	13.877	1956	1964	1969	rVB3	974575	2074130	28.53%	2.171%
73	13.926	1969	1972	1975	rVB4	125825	157921	2.17%	0.165%
74	13.981	1977	1981	1983	rBV4	197350	303941	4.18%	0.318%
75	14.030	1984	1989	1993	rBV3	400327	790376	10.87%	0.827%
76	14.133	2002	2006	2011	rVB	780156	1243634	17.11%	1.302%

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 Title : SFAM01.0

77	14.206	2011	2018	2023	rBV3	389193	917960	12.63%	0.961%
78	14.261	2023	2027	2033	rVV4	370605	760300	10.46%	0.796%
79	14.347	2033	2041	2044	rVV3	619585	1435191	19.74%	1.502%
80	14.383	2044	2047	2051	rVV2	783113	1257800	17.30%	1.317%
81	14.426	2051	2054	2061	rVB5	323521	473637	6.52%	0.496%
82	14.493	2061	2065	2069	rBV4	237693	322606	4.44%	0.338%
83	14.548	2069	2074	2079	rVB4	462422	744917	10.25%	0.780%
84	14.603	2079	2083	2086	rBV3	139630	221266	3.04%	0.232%
85	14.737	2102	2105	2111	rBV3	140362	271458	3.73%	0.284%
86	14.798	2111	2115	2117	rVV	217280	344231	4.74%	0.360%
87	14.834	2117	2121	2130	rVV	1471553	2388171	32.86%	2.500%
88	14.920	2132	2135	2140	rVB5	183454	262466	3.61%	0.275%
89	15.054	2153	2157	2162	rVB3	294646	526013	7.24%	0.551%
90	15.115	2162	2167	2169	rBV4	112127	216792	2.98%	0.227%
91	15.182	2170	2178	2184	rVV3	316034	1221345	16.80%	1.279%
92	15.243	2185	2188	2196	rVB5	298561	614166	8.45%	0.643%
93	15.322	2196	2201	2208	rVB	871561	1448661	19.93%	1.517%
94	15.401	2209	2214	2218	rBV6	87322	222443	3.06%	0.233%
95	15.572	2237	2242	2247	rVV7	104682	247179	3.40%	0.259%
96	15.651	2247	2255	2262	rVV7	228309	659832	9.08%	0.691%
97	15.724	2262	2267	2275	rVB3	344426	673962	9.27%	0.706%
98	16.212	2343	2347	2352	rVB2	130021	232760	3.20%	0.244%
99	16.279	2353	2358	2366	rVB	313843	574635	7.91%	0.602%
100	16.535	2396	2400	2406	rVB3	68835	119204	1.64%	0.125%

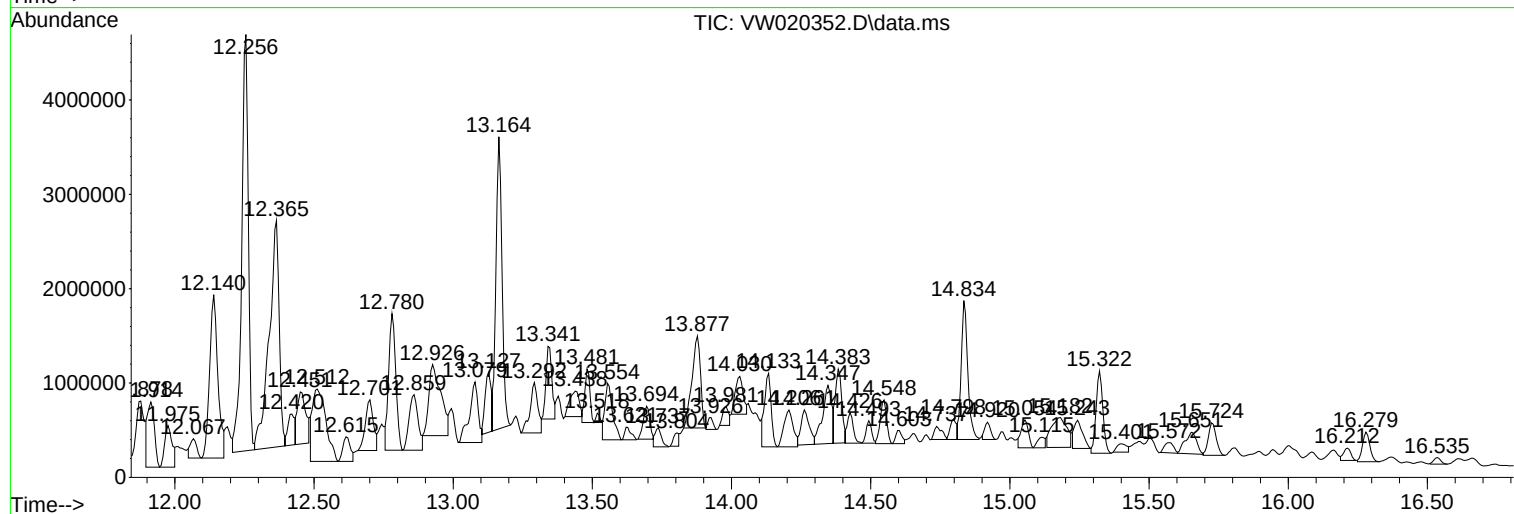
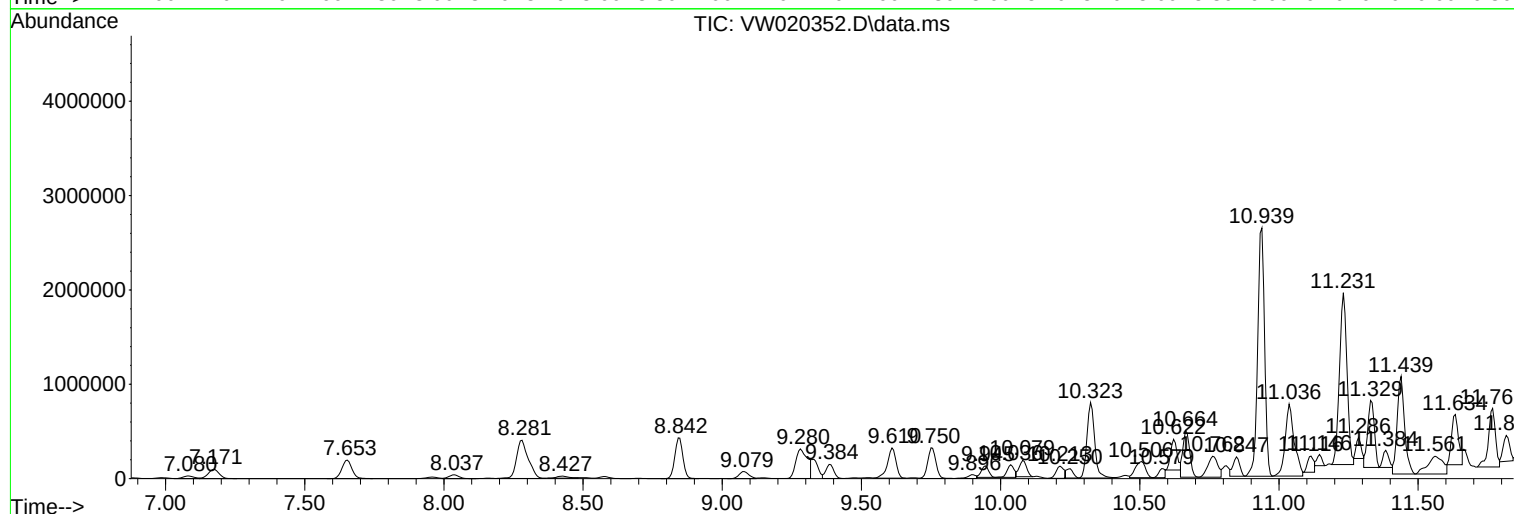
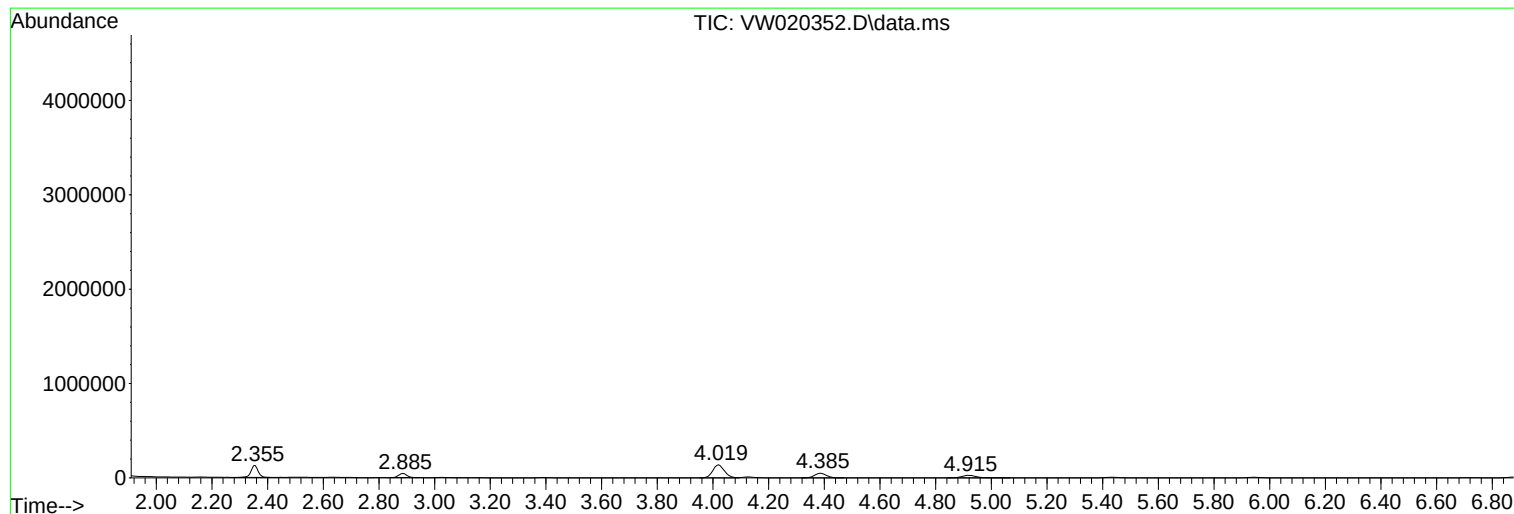
Sum of corrected areas: 95522514

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

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



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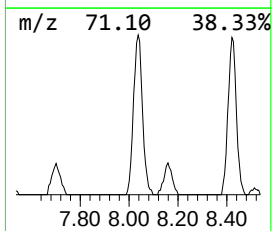
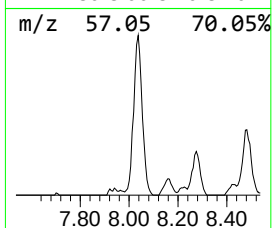
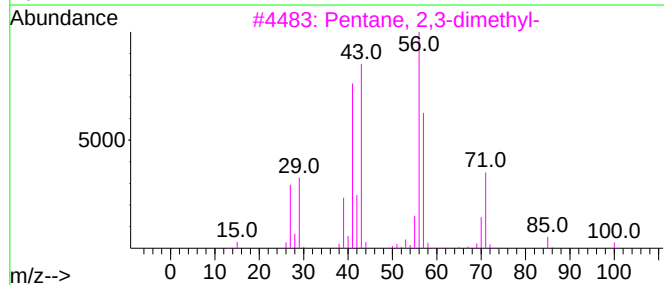
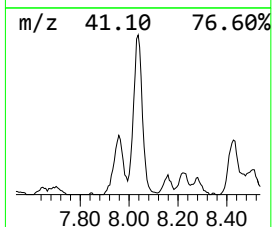
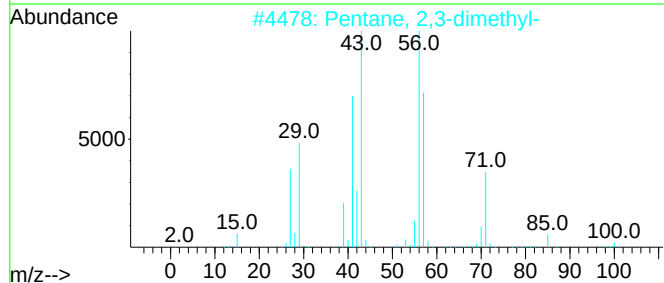
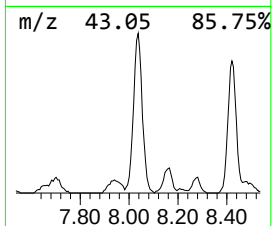
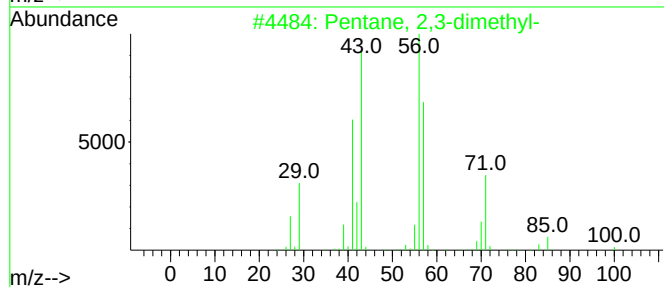
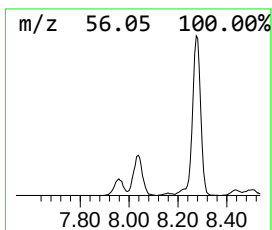
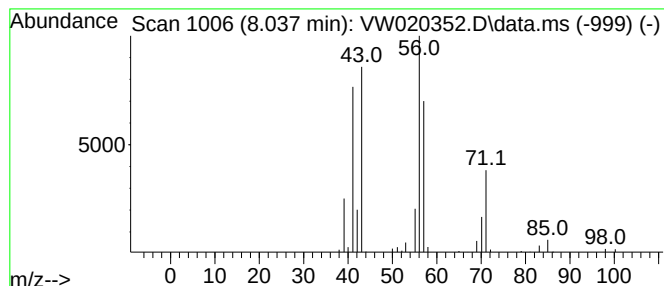
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	2.86 ug/L	99226	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5		1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47



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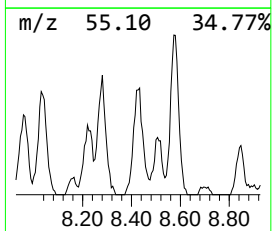
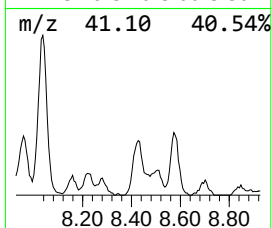
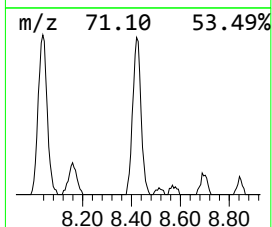
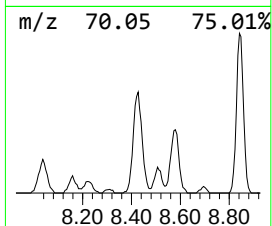
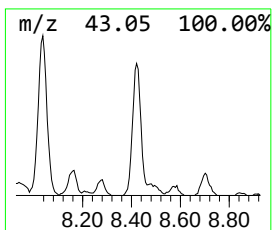
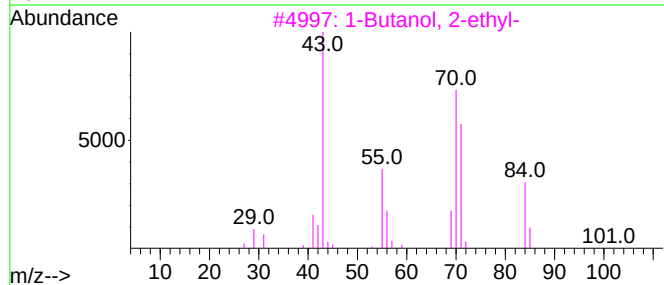
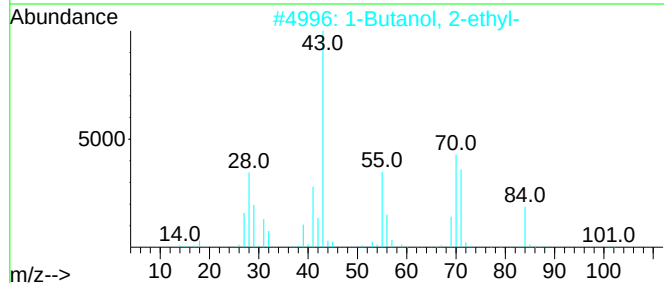
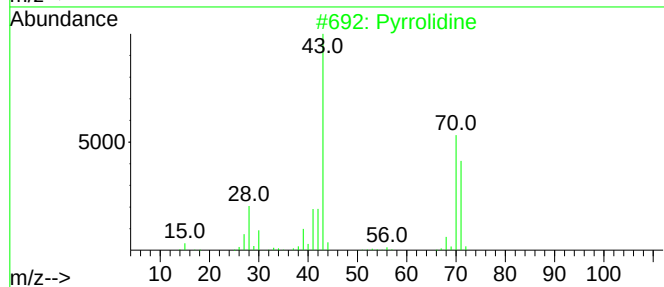
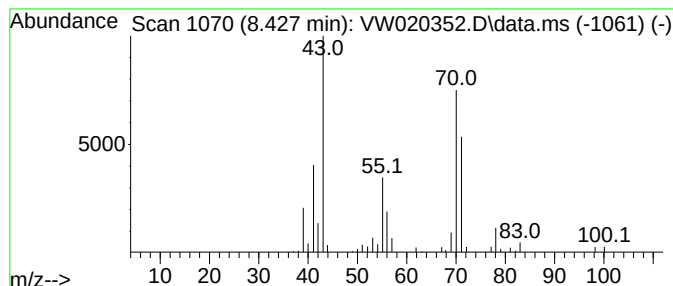
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Quant Title : SFAM01.0

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

Peak Number 2 Pyrrolidine Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.427	1.97 ug/L	68587	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrrolidine	71	C4H9N	000123-75-1	59
2			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56
3			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5			1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	47



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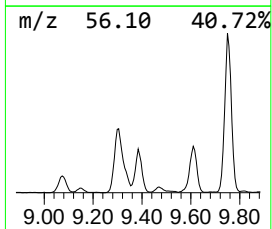
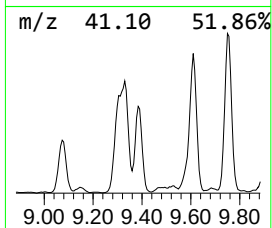
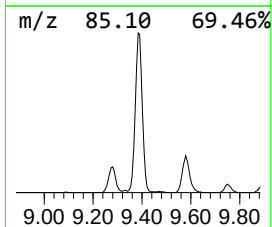
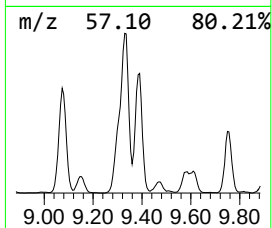
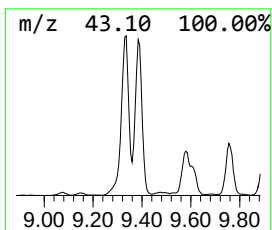
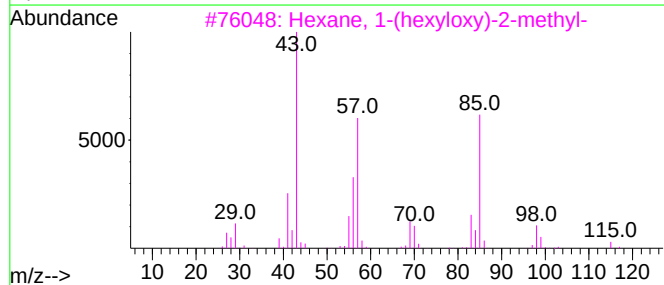
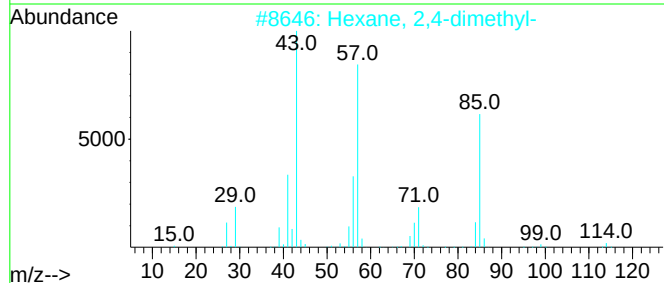
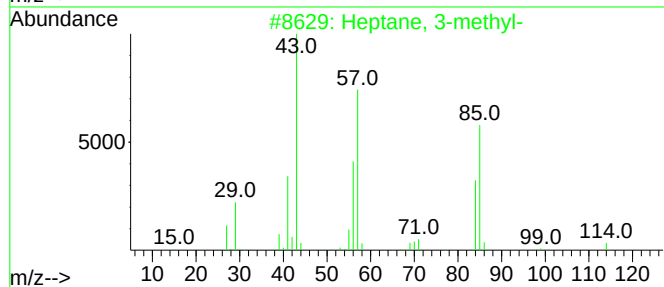
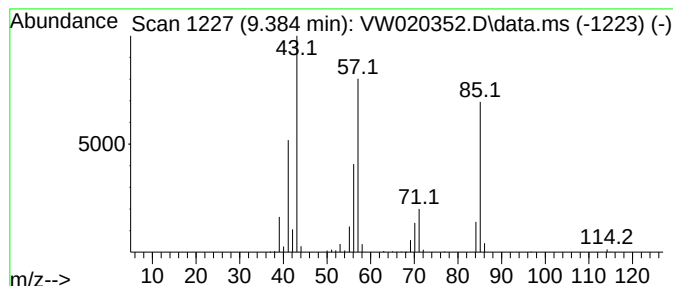
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	8.31 ug/L	288686	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-methyl-	114	C8H18	000589-81-1	72
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
3		Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

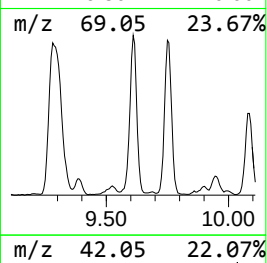
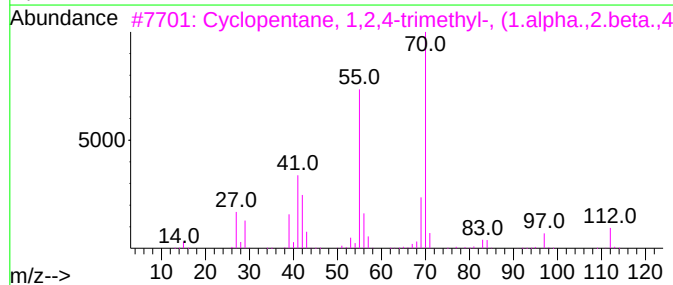
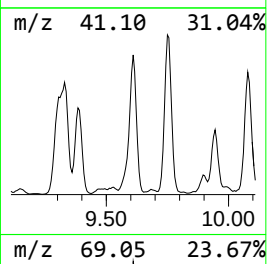
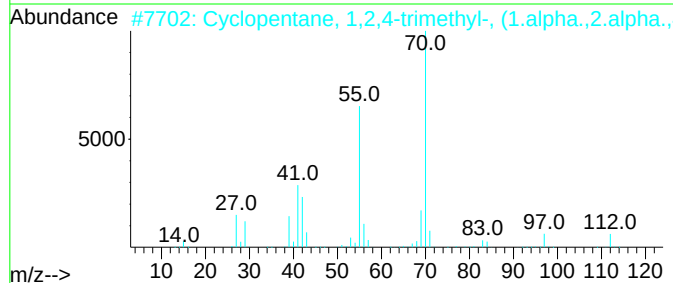
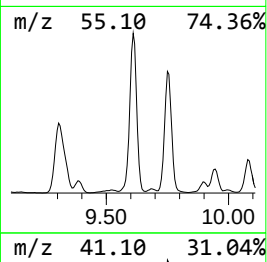
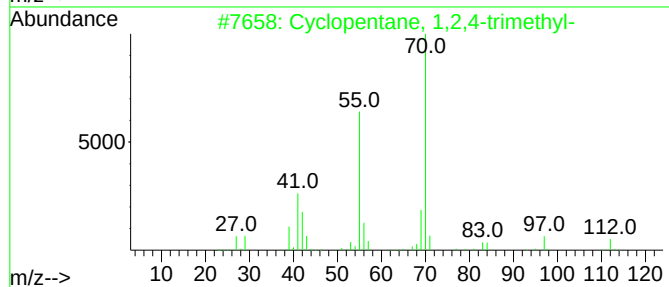
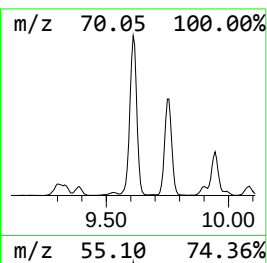
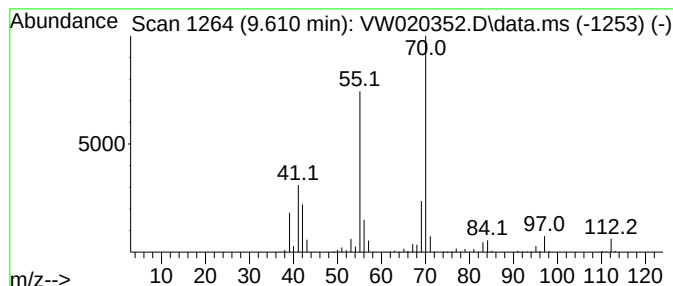
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic9.610 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	19.65 ug/L	682797	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

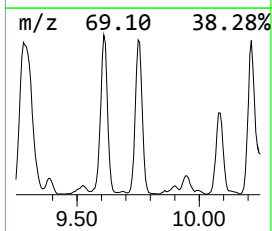
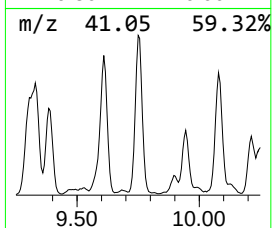
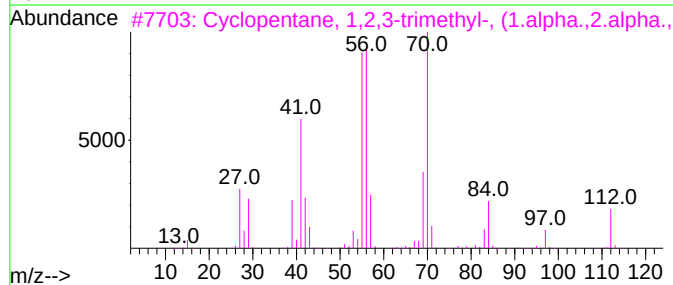
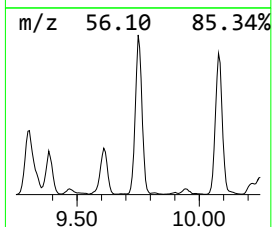
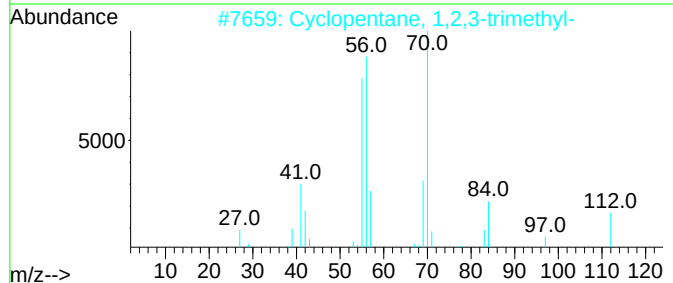
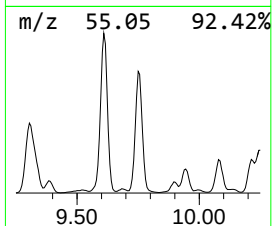
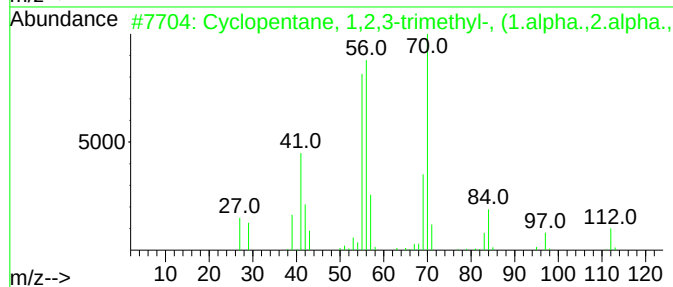
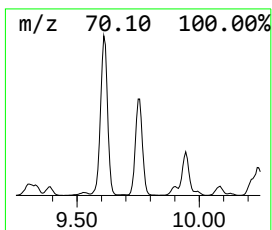
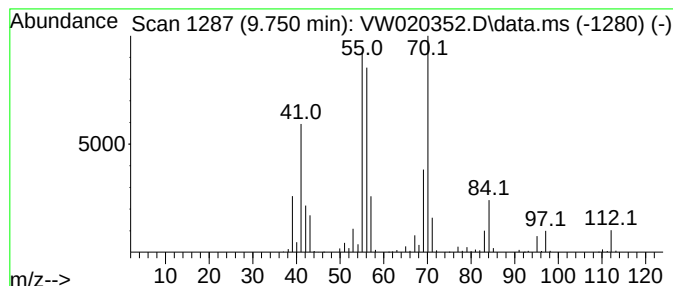
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic9.750 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	18.74 ug/L	651204	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	81
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

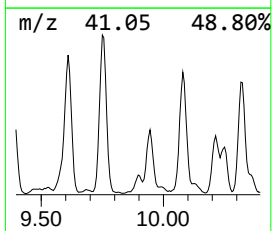
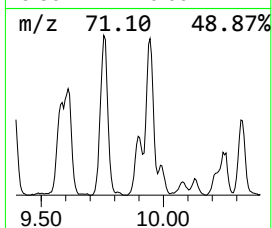
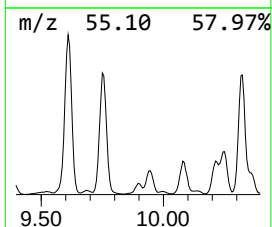
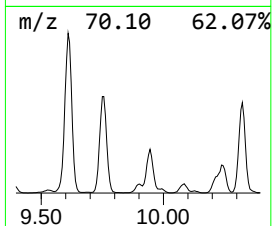
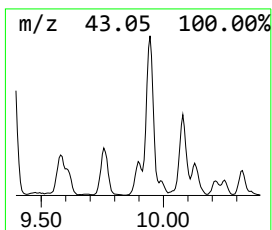
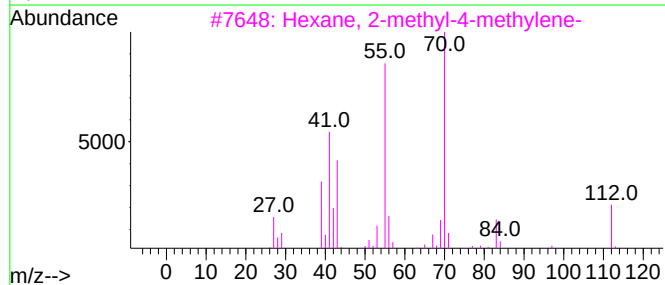
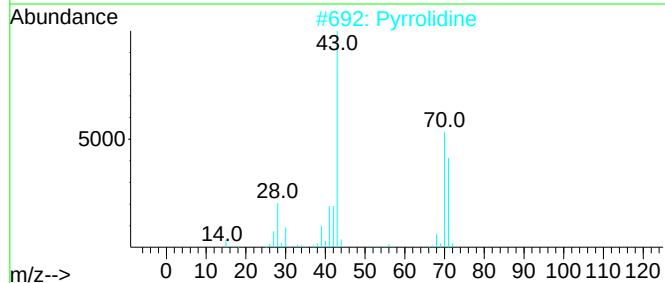
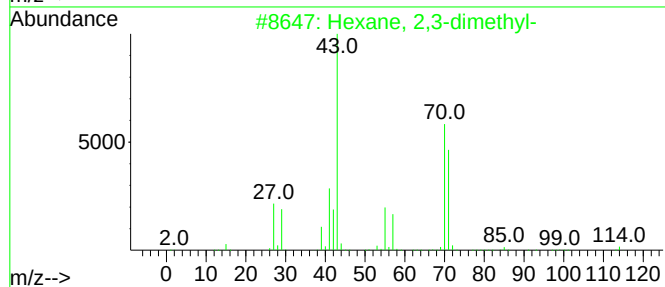
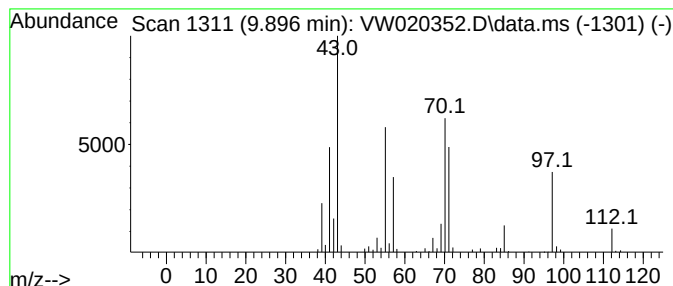
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	2.38 ug/L	82606	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	58
2		Pyrrolidine	71	C4H9N	000123-75-1	52
3		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	43
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	43
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

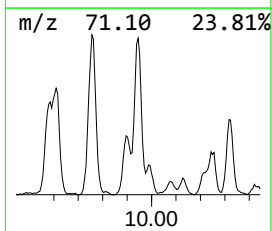
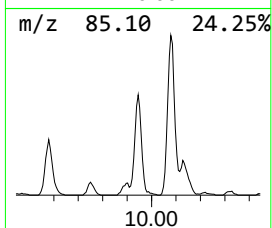
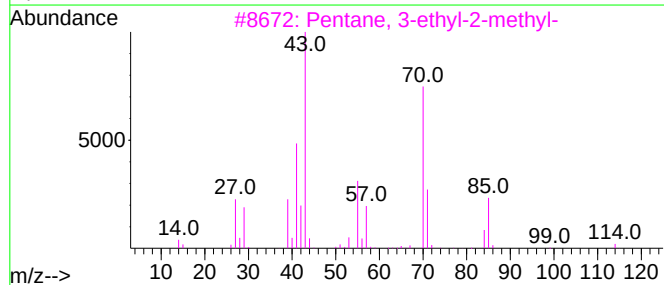
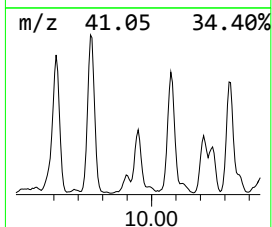
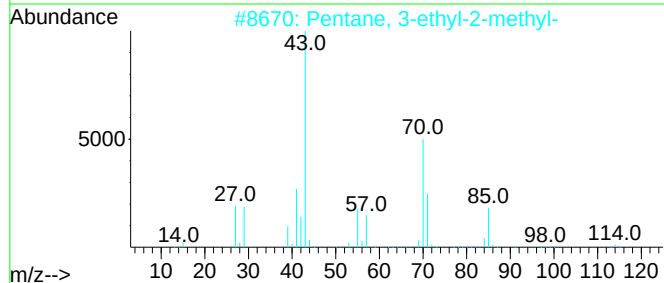
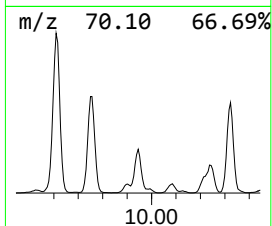
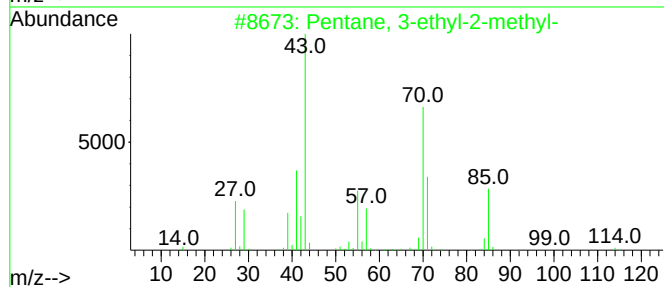
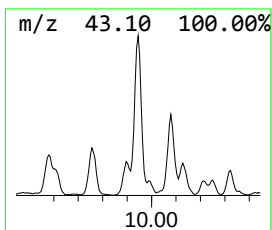
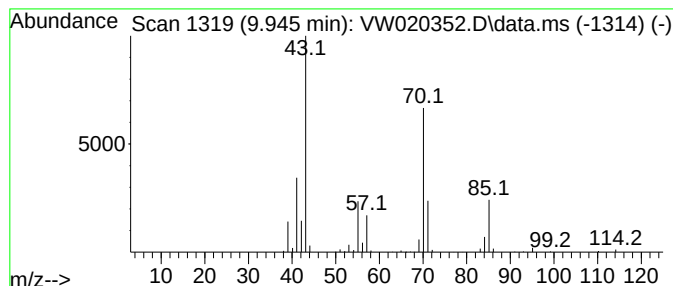
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	6.32 ug/L	219451	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
3			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	74
4			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	72
5			Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

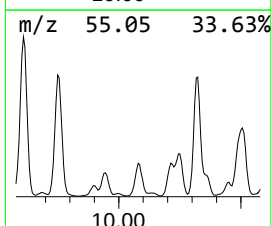
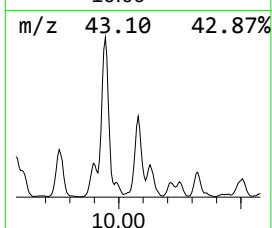
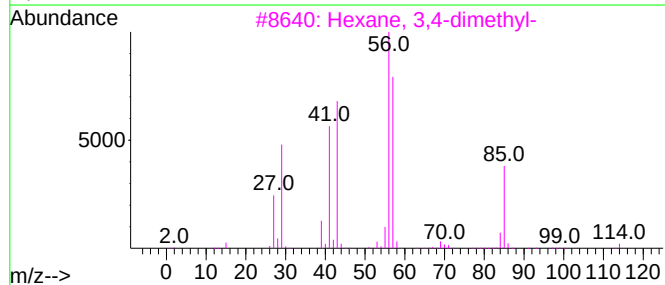
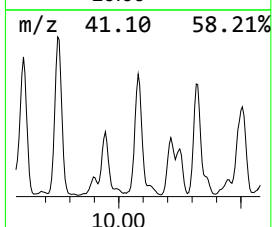
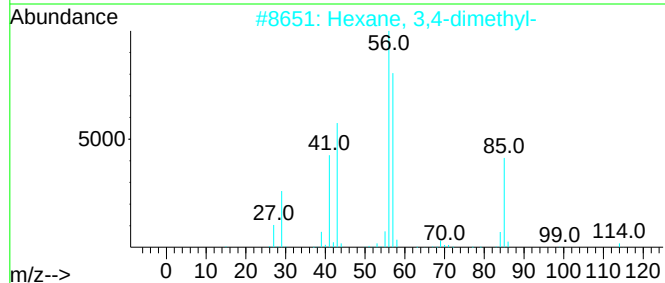
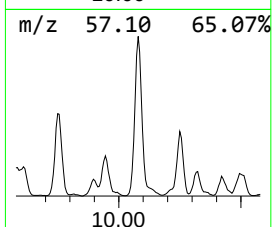
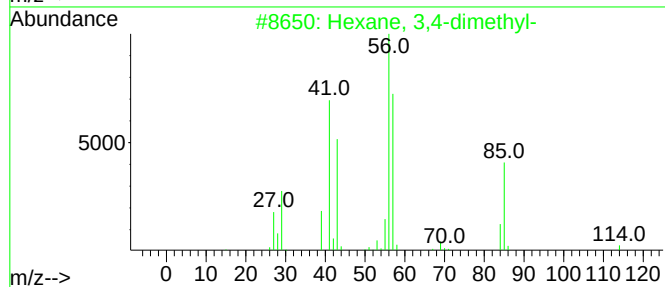
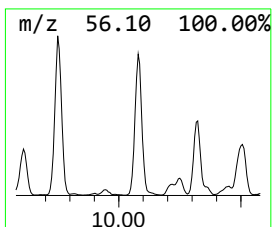
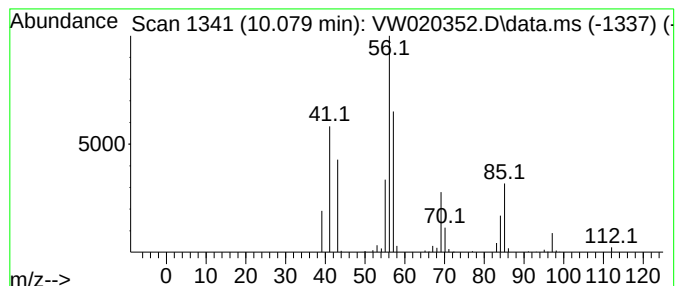
Instrument :
MSVOA_W
ClientSampleId :
EW908

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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 50

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.079	8.95 ug/L	311028	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	72
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
4	Cyclohexane	84	C6H12	000110-82-7	53
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

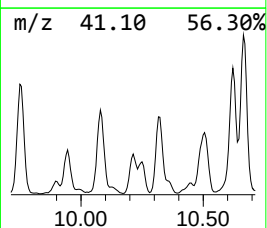
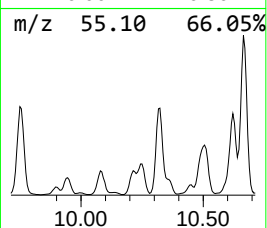
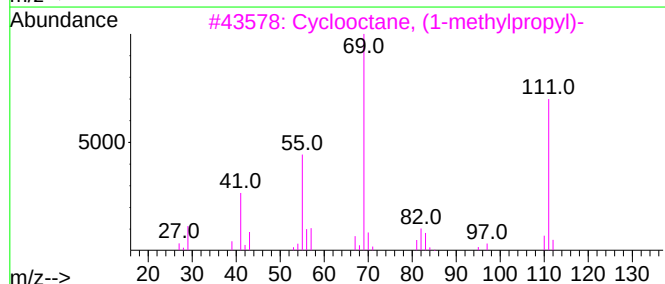
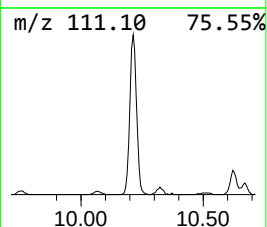
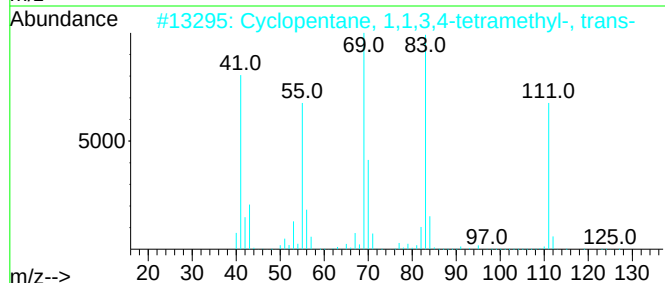
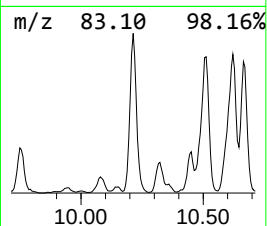
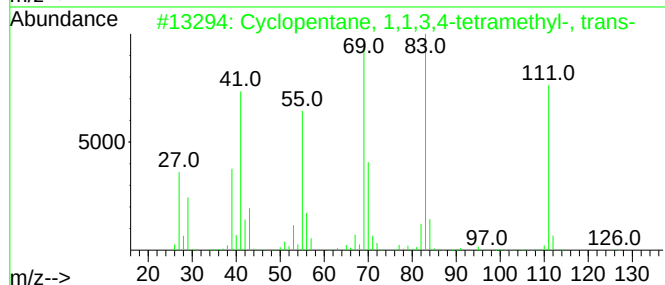
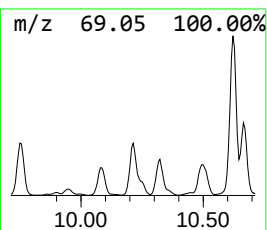
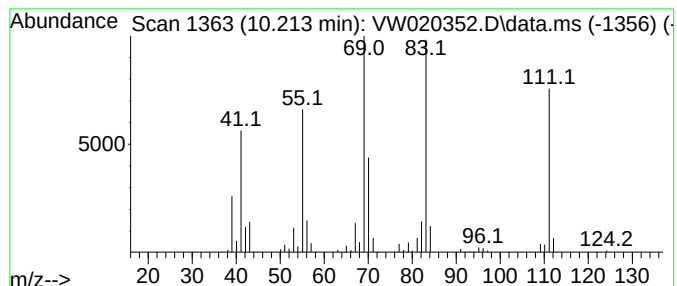
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic10.213 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.213	7.31 ug/L	253827	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	90
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	64
3			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
4			Cyclopentaneacetic acid, ethenyl...	154	C9H14O2	045955-66-6	47
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

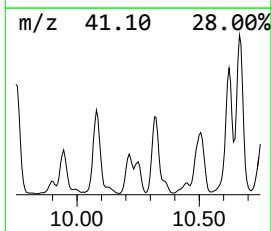
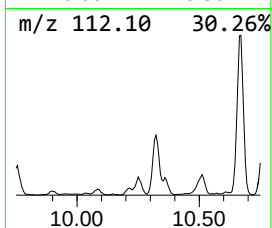
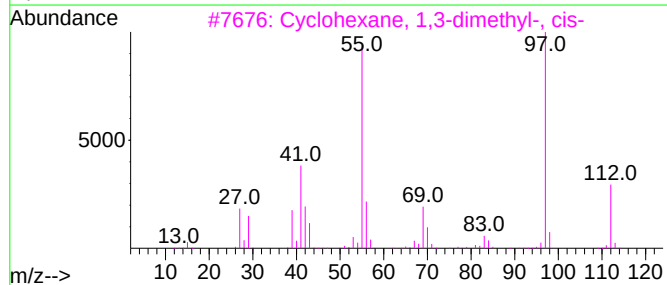
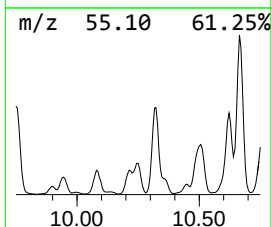
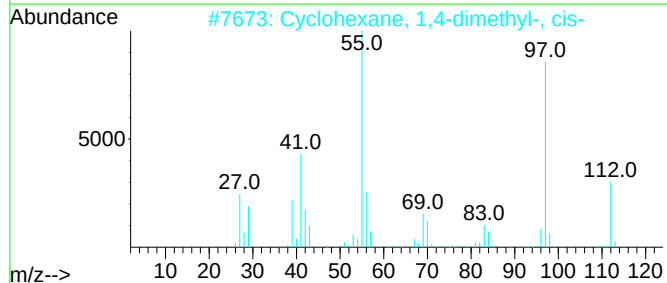
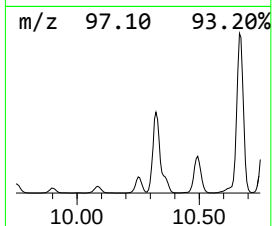
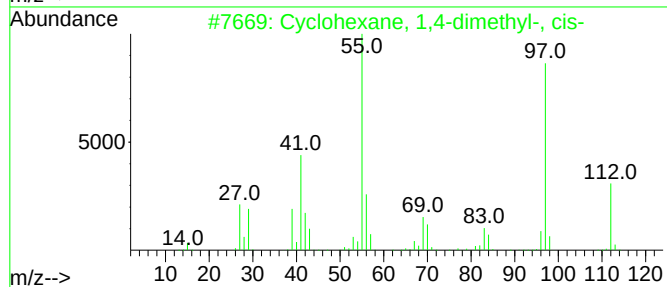
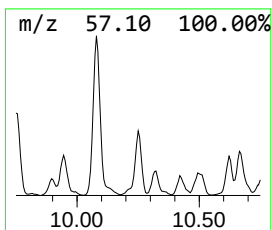
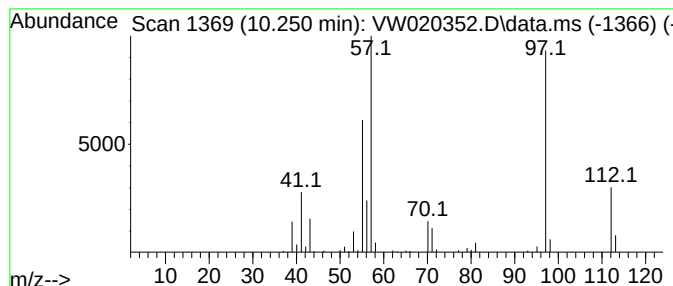
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic10.250 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	4.24 ug/L	160560	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
4			Cyclopropane, pentamethyl-	112	C8H16	014172-83-9	58
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

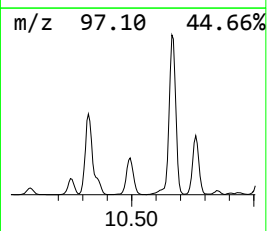
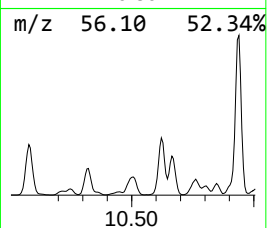
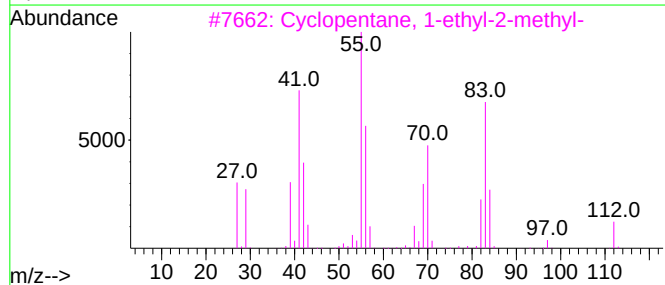
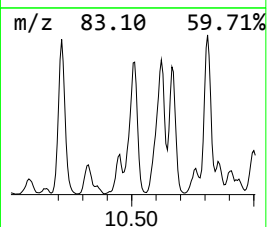
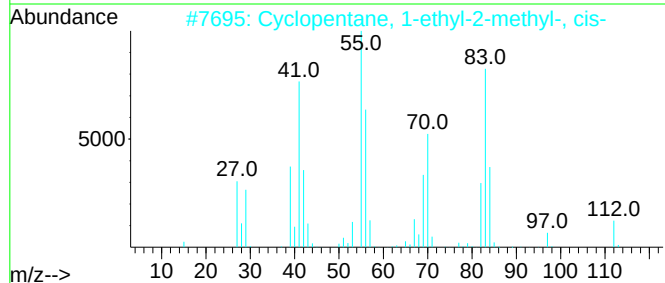
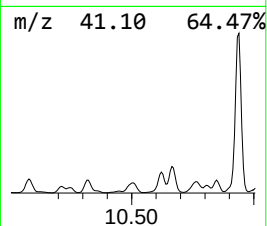
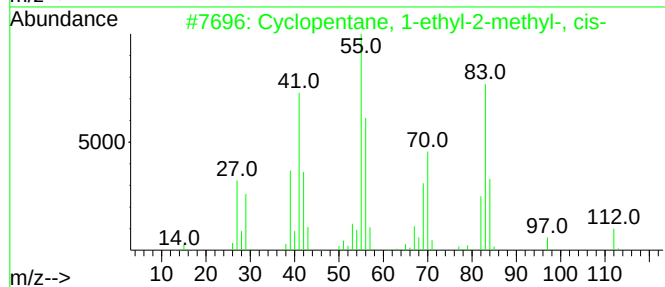
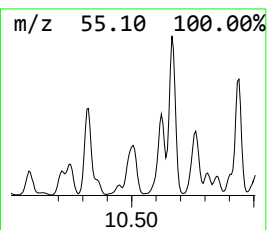
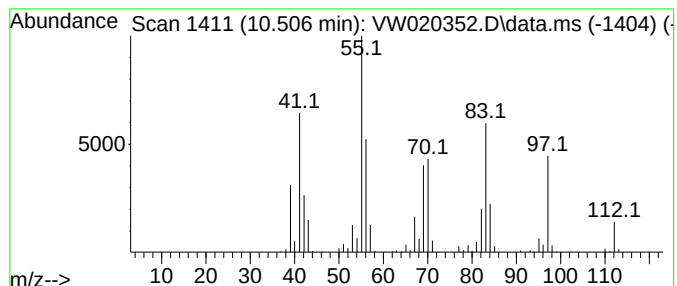
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic10.506 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	11.41 ug/L	432159	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	94
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	93
3		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	76
4		4-Octene, (Z)-	112	C8H16	007642-15-1	60
5		3-Octene, (Z)-	112	C8H16	014850-22-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

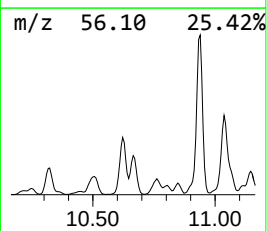
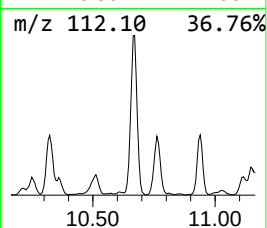
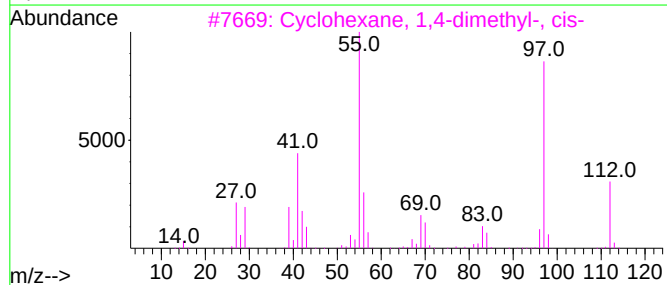
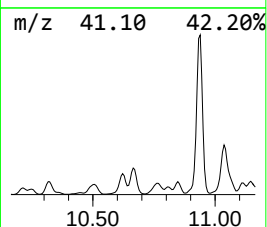
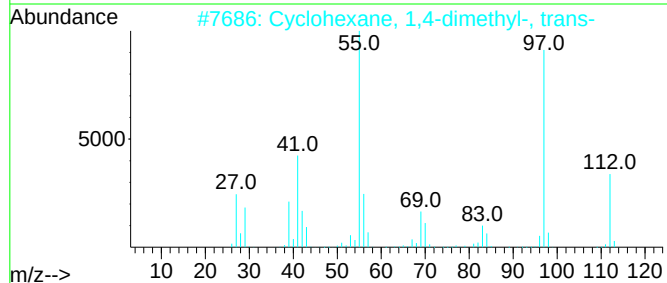
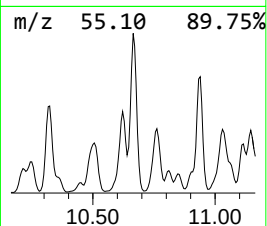
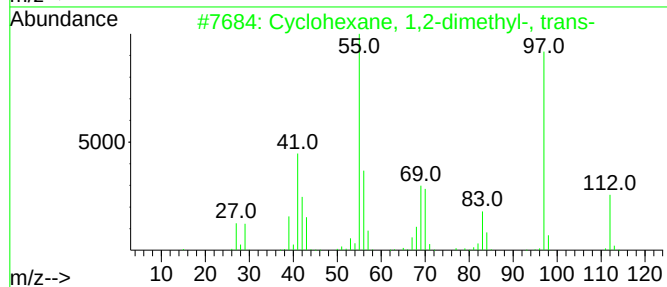
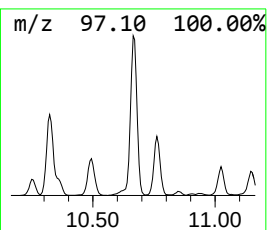
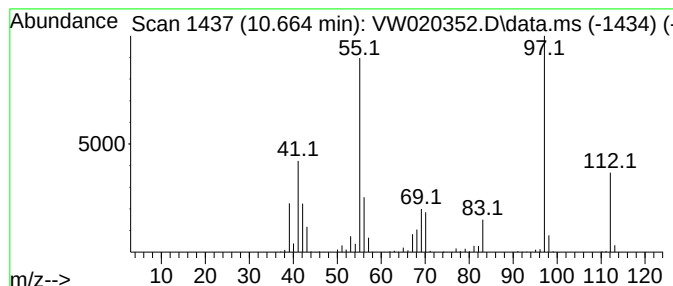
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic10.664 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	21.71 ug/L	822498	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

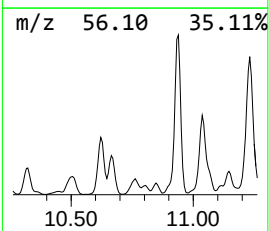
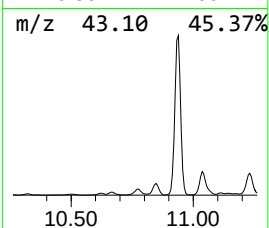
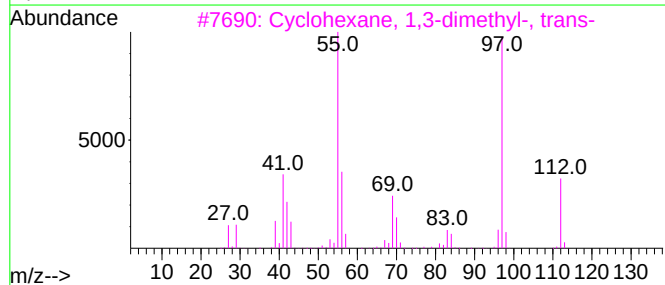
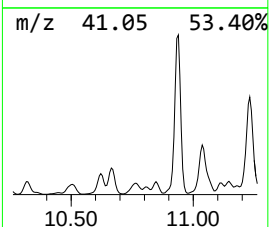
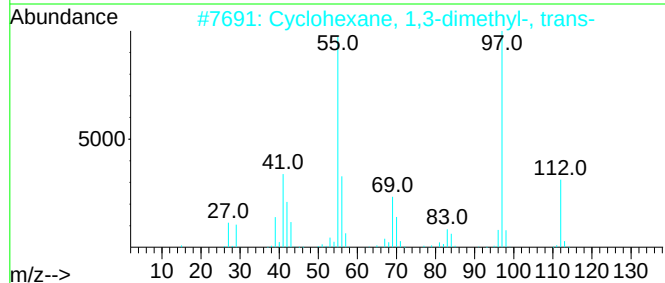
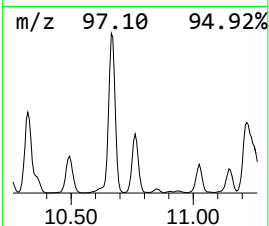
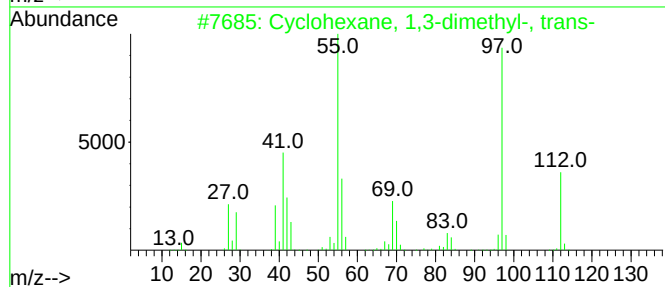
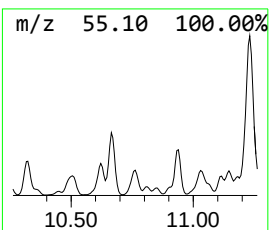
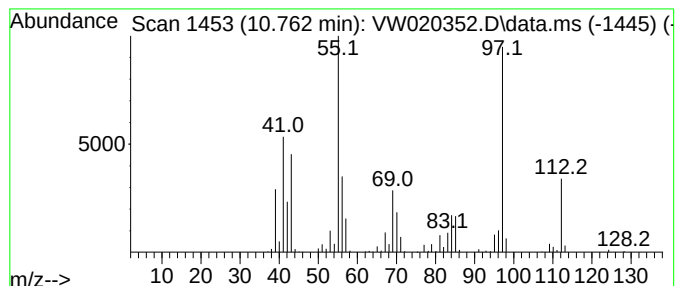
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic10.762 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	14.81 ug/L	561136	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

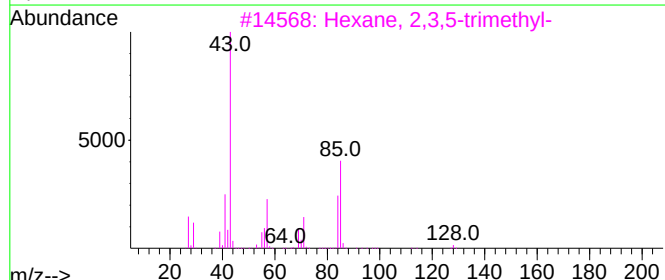
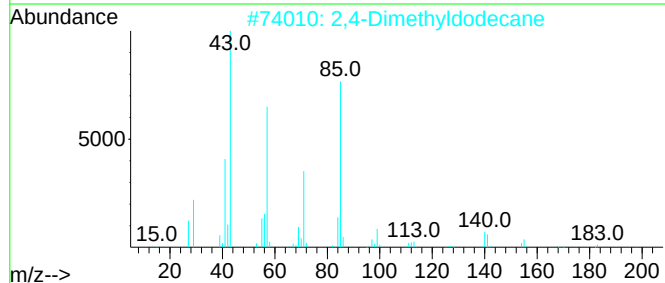
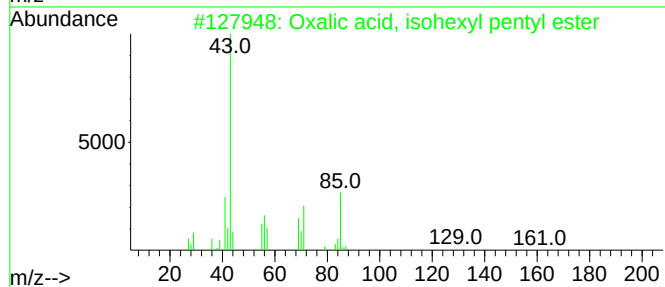
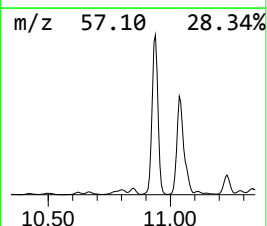
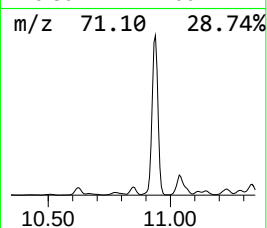
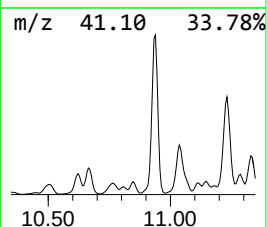
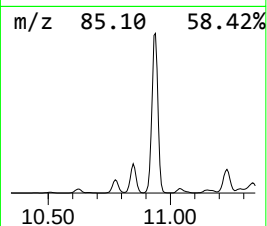
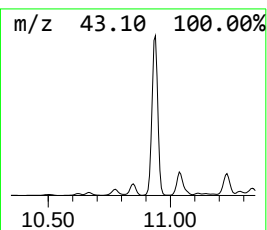
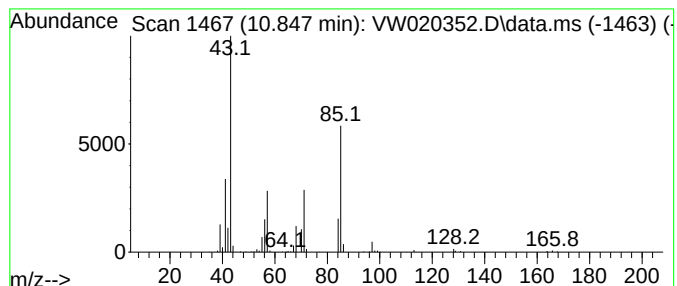
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Quant Title : SFAM01.0

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

Peak Number 15 Oxalic acid, isohexyl penty... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	8.94 ug/L	338829	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	78
2			2,4-Dimethyldodecane	198	C14H30	006117-99-3	72
3			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64
4			Nonane	128	C9H20	000111-84-2	59
5			Octane	114	C8H18	000111-65-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

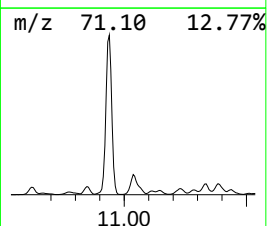
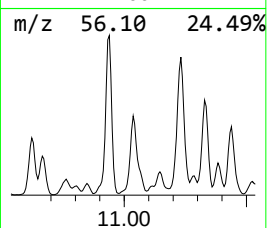
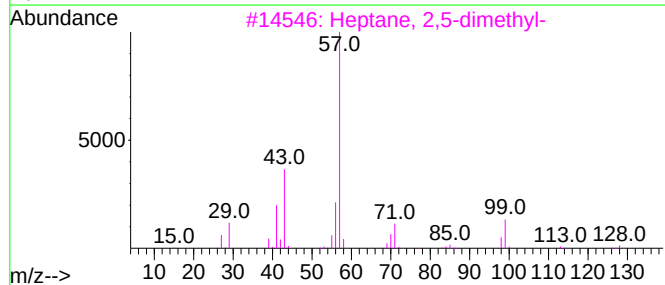
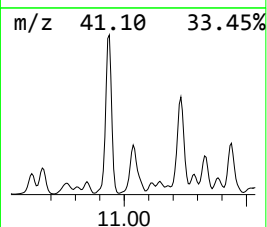
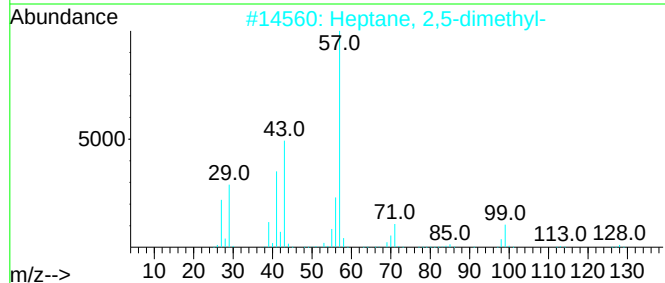
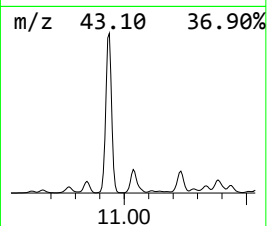
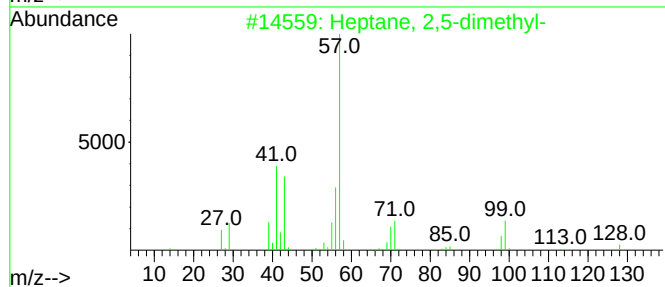
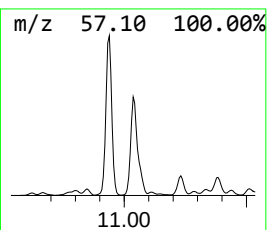
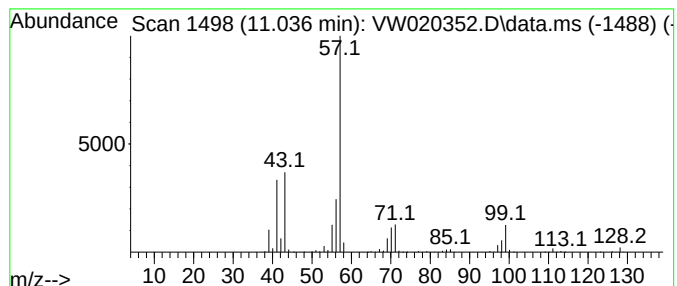
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	45.19 ug/L	1712000	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
5			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

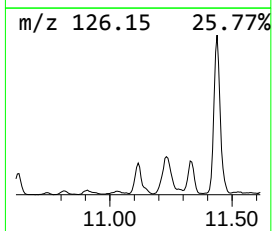
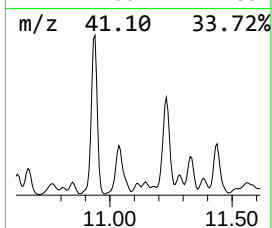
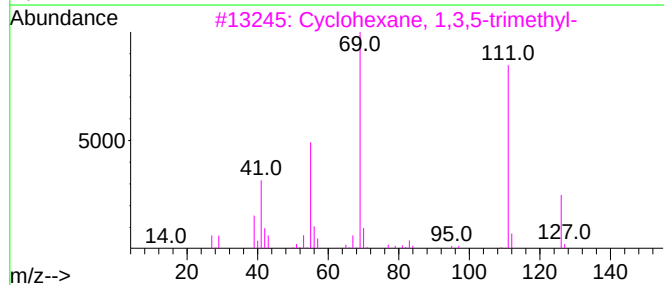
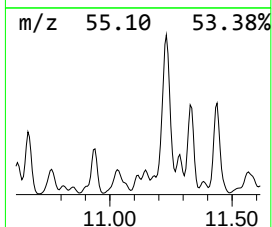
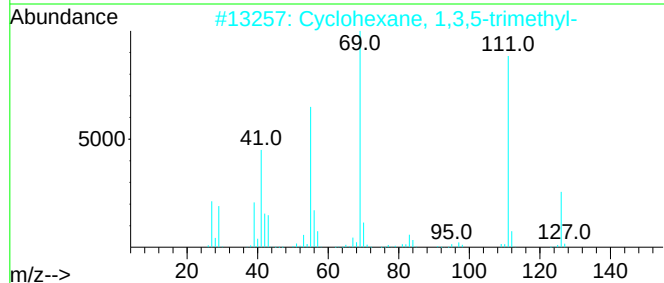
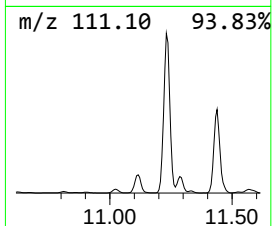
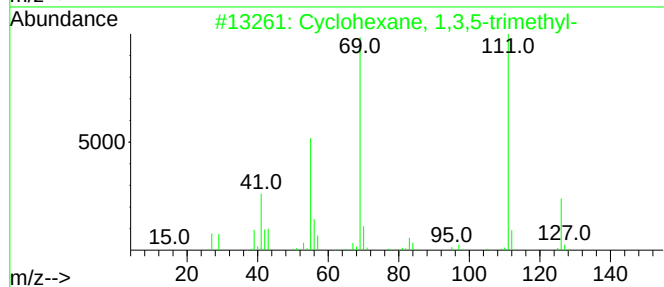
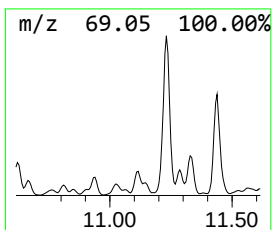
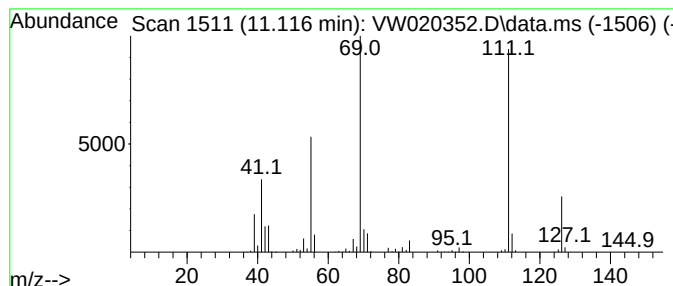
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.116 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	7.14 ug/L	270402	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

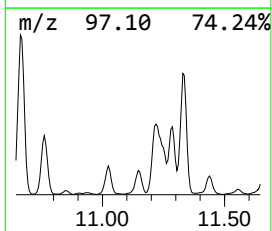
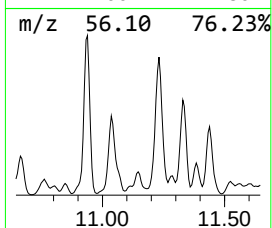
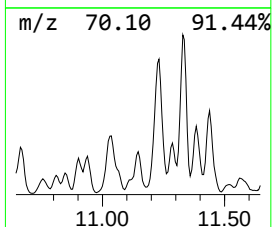
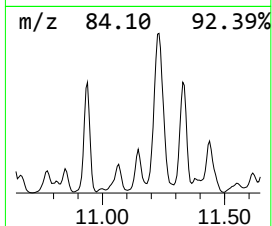
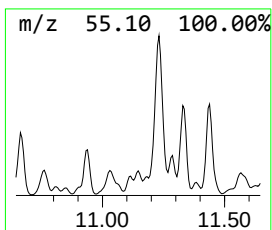
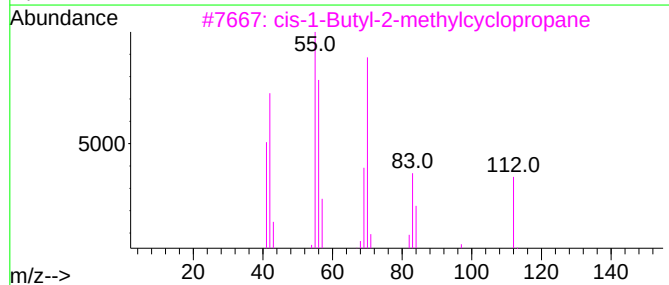
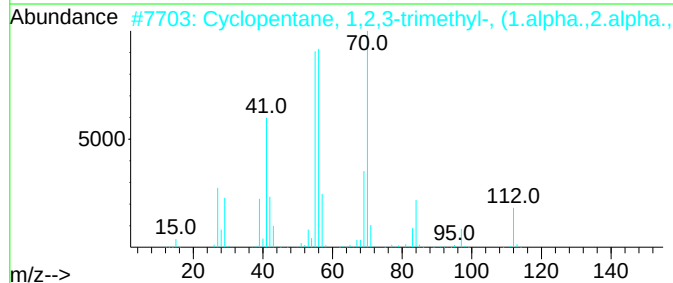
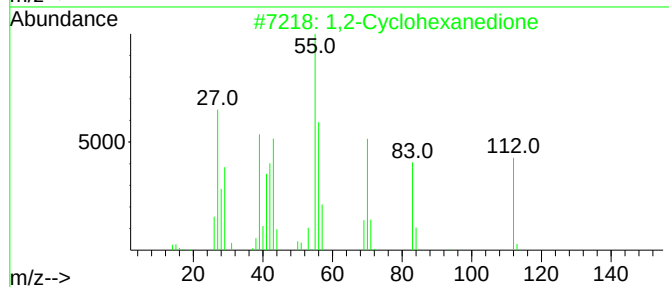
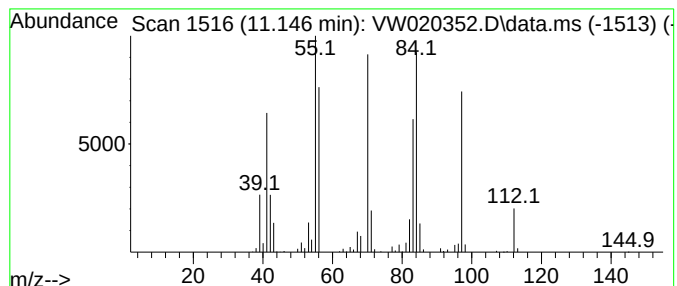
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Quant Title : SFAM01.0

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

Peak Number 18 unknown-01 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	3.79 ug/L	143714	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	46
3			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4			Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	43
5			4,4-Dimethylpent-2-enal	112	C7H12O	1010195-01-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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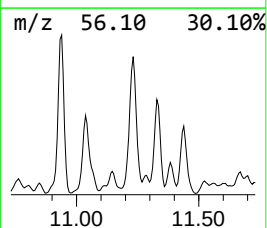
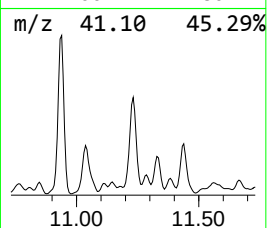
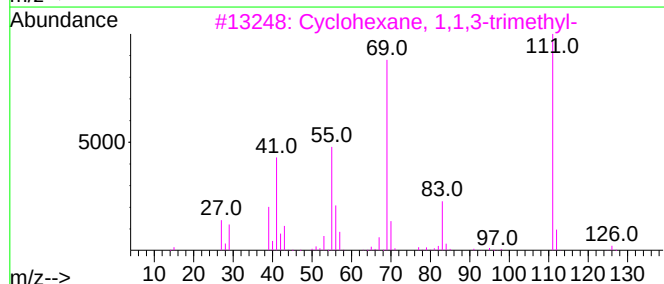
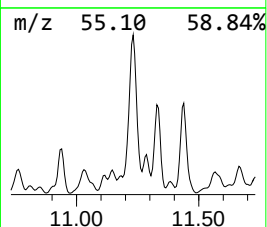
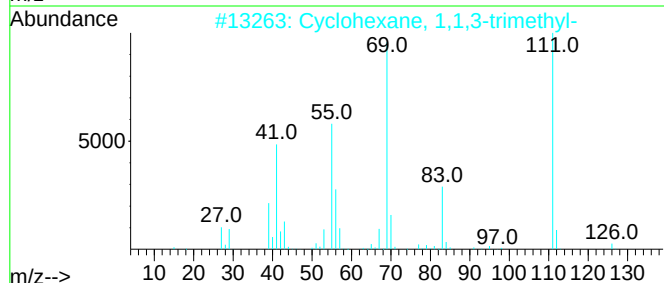
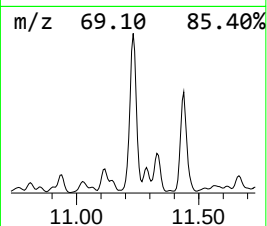
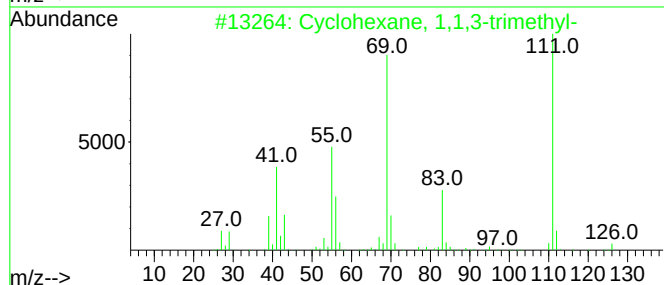
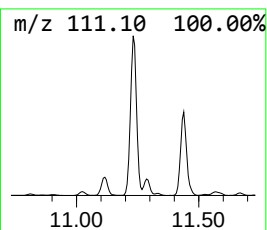
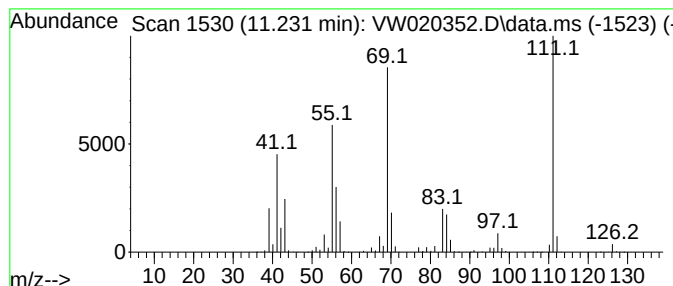
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.231 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	91.08 ug/L	3450450	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
5		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

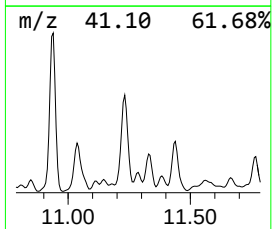
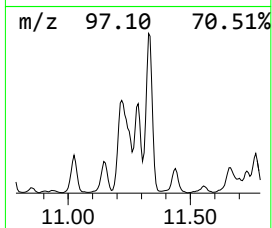
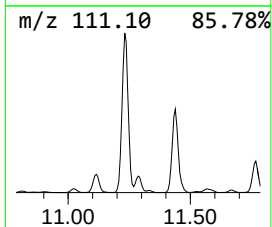
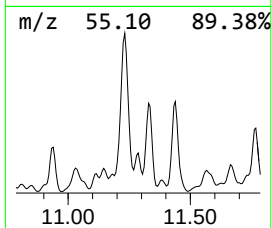
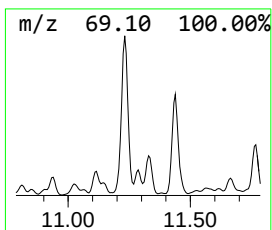
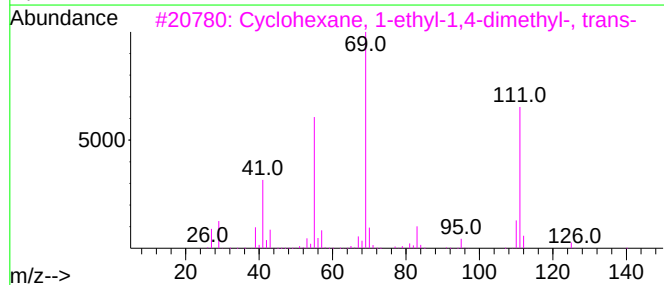
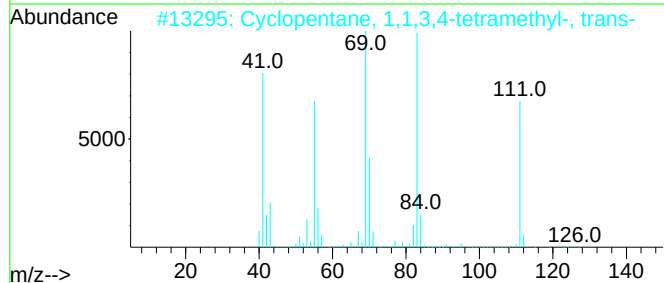
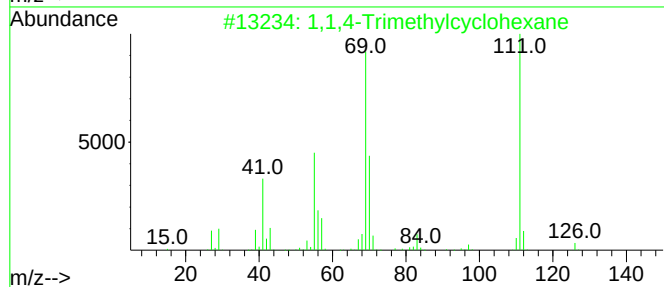
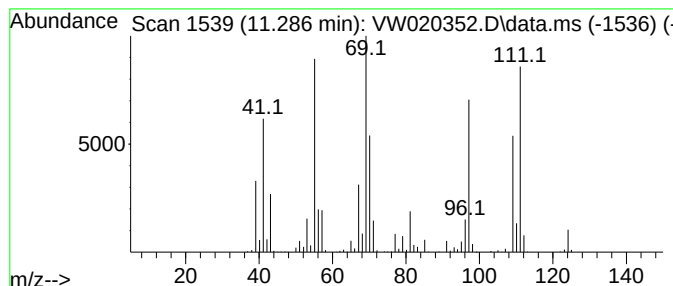
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.286 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	7.04 ug/L	266889	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	47
3			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	43
4			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	38
5			Cyclooctane, butyl-	168	C12H24	016538-93-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

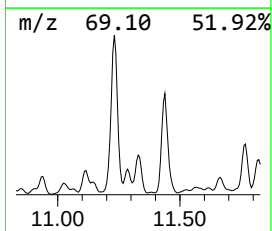
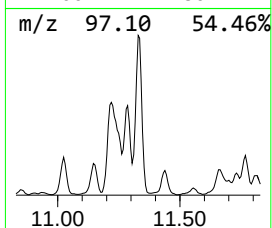
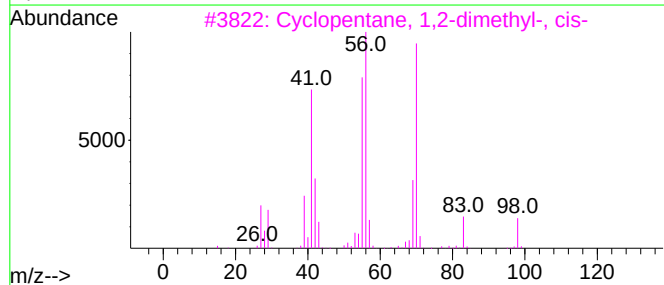
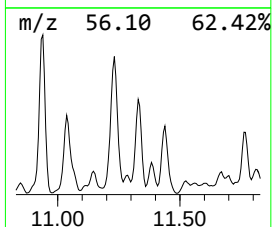
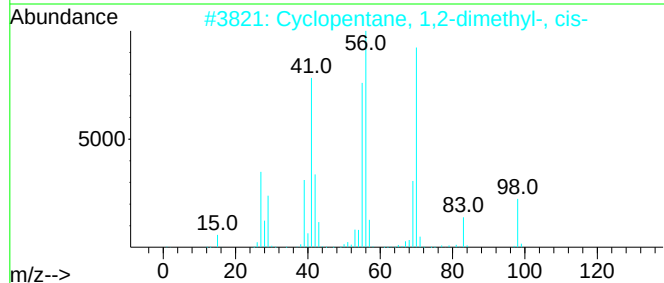
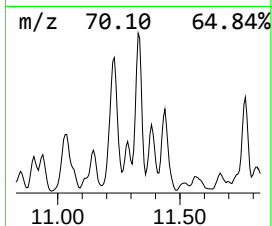
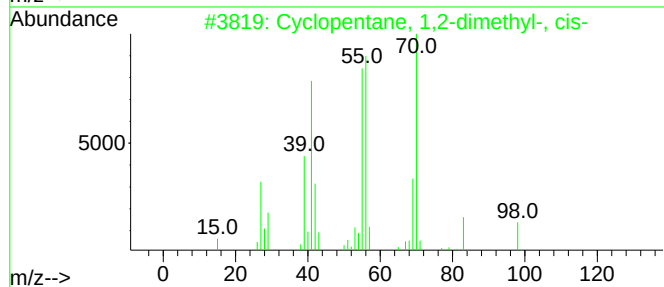
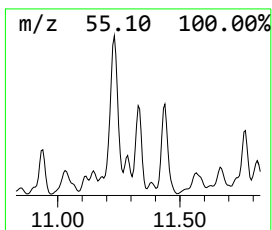
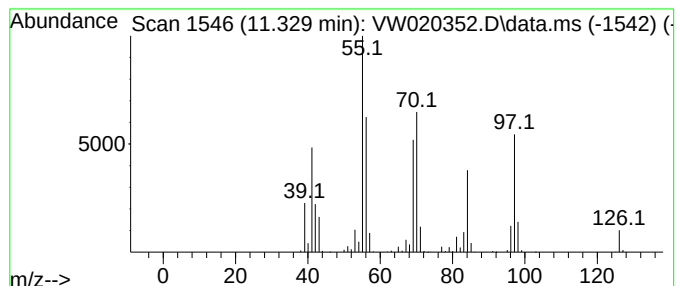
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.329 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.329	30.99 ug/L	1174050	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	49
4		Isopropylcyclobutane	98	C7H14	000872-56-0	46
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW908

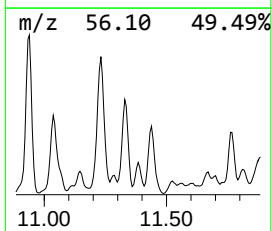
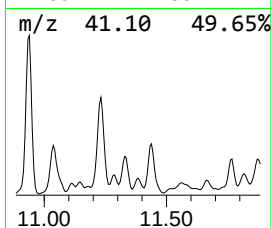
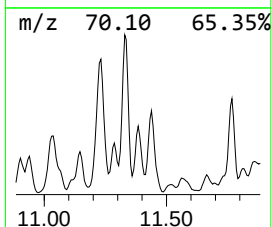
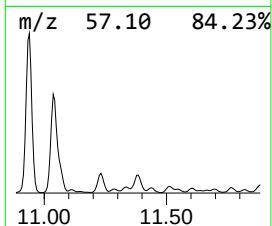
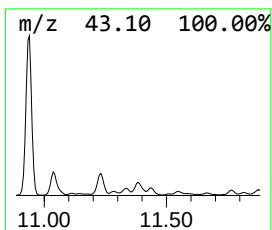
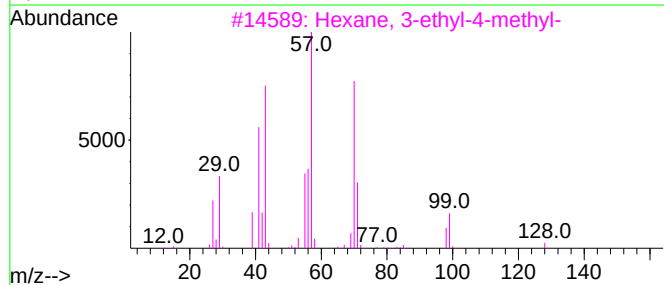
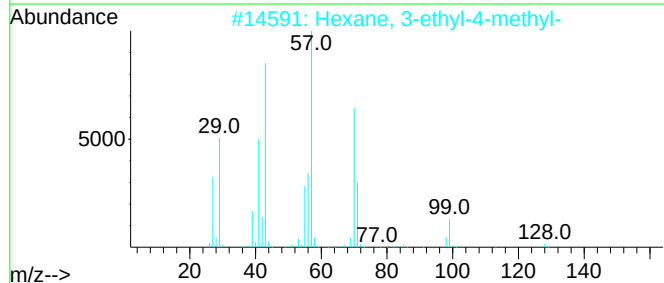
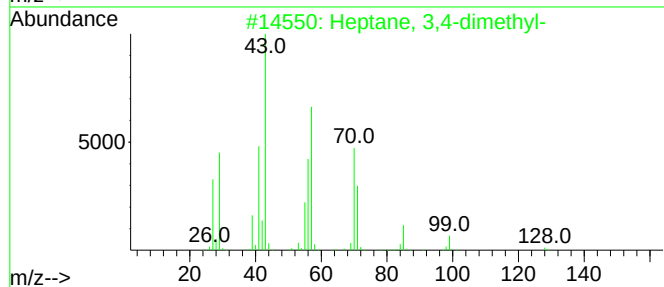
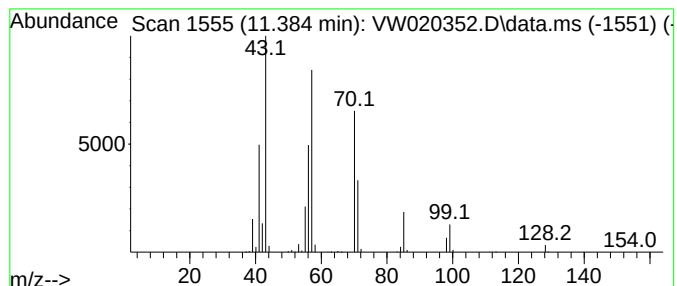
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.384	6.95 ug/L	263326	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	83
2		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	59
3		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	53
4		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
5		Propane, 1-isocyanato-2-methyl-	99	C5H9NO	001873-29-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

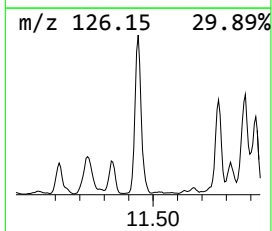
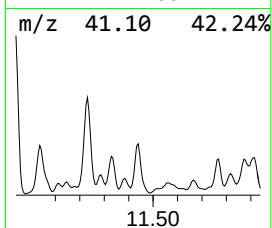
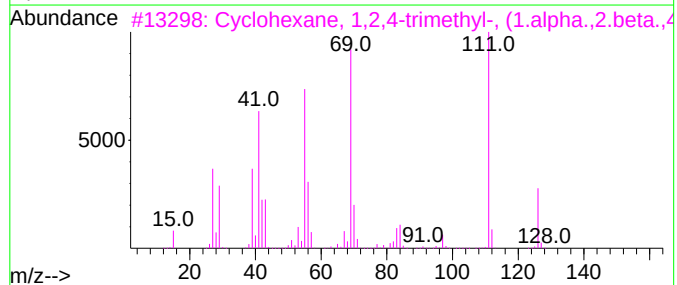
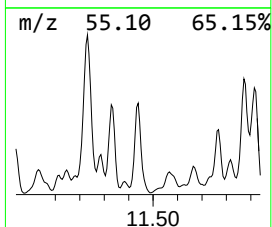
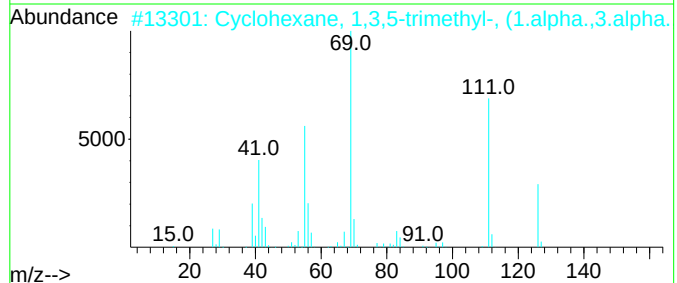
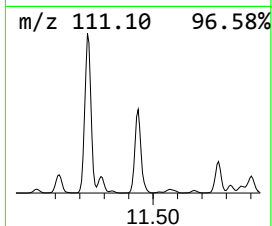
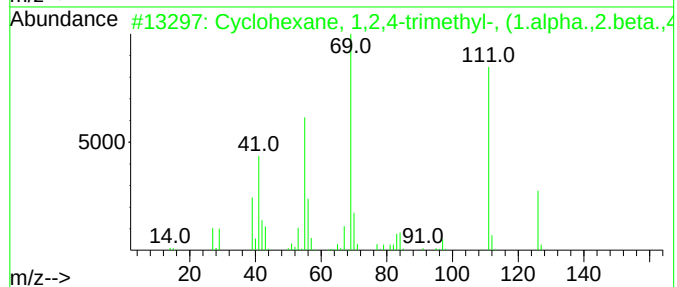
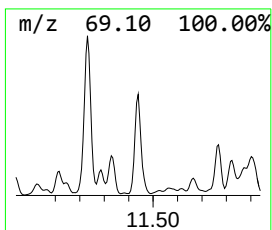
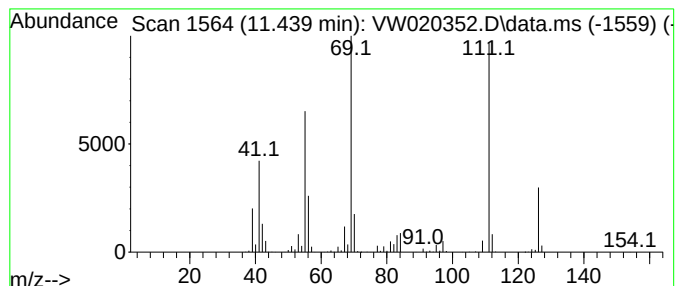
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.439 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	49.90 ug/L	1890360	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	95
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

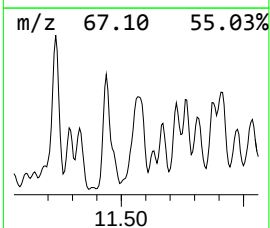
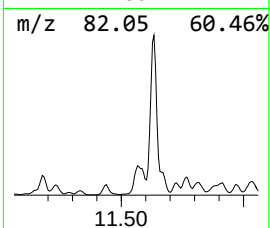
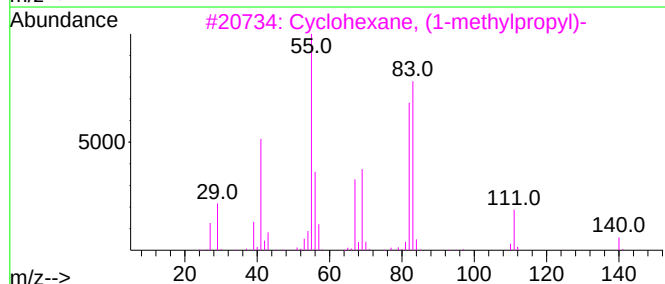
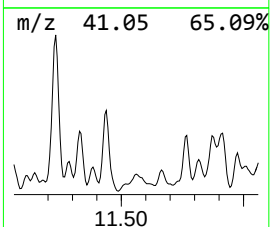
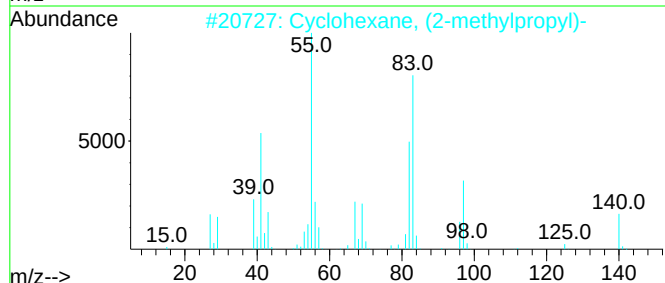
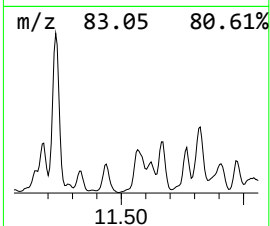
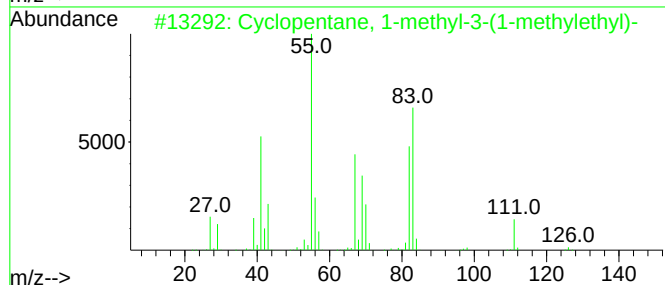
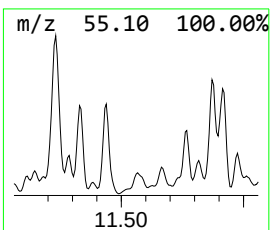
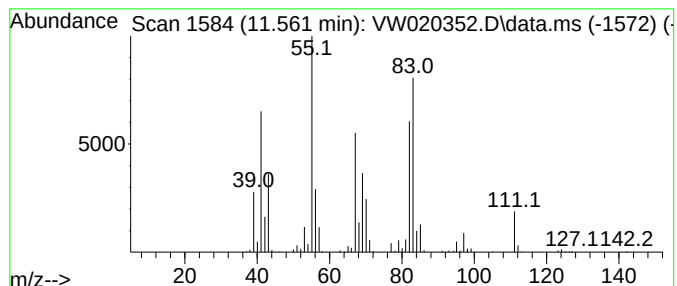
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.561 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.561	19.67 ug/L	745339	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	90
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
3			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	59
4			Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	53
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

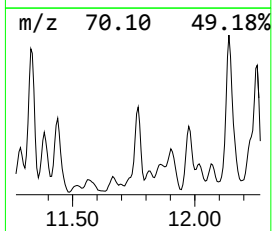
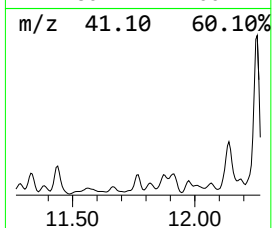
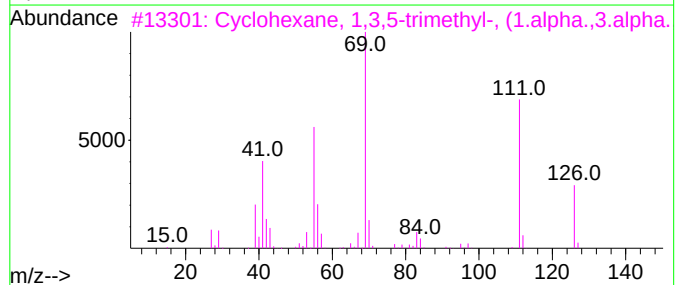
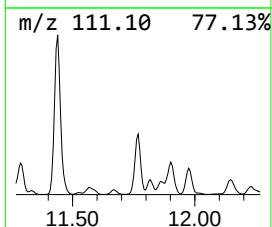
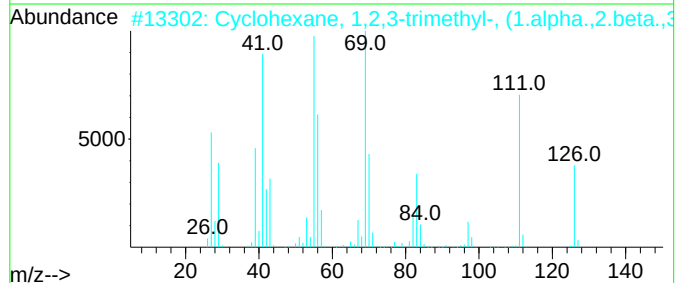
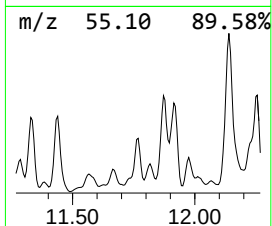
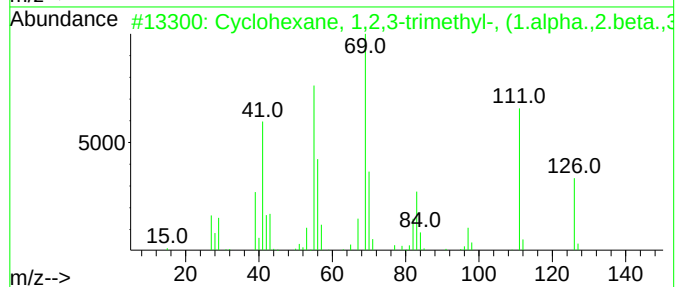
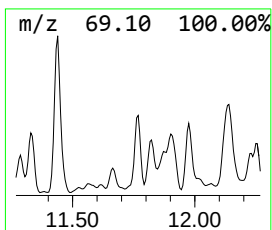
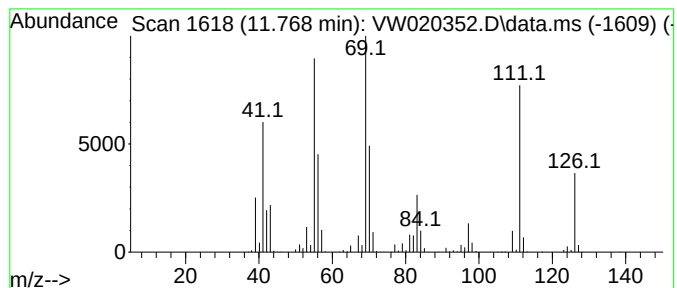
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.768 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	28.99 ug/L	1098170	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	90
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	68
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

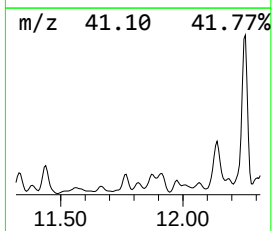
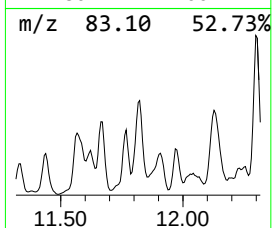
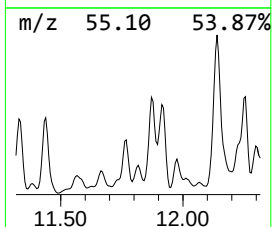
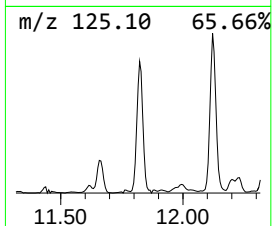
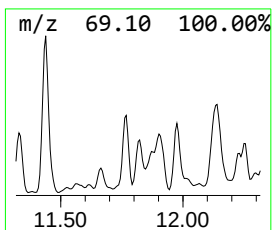
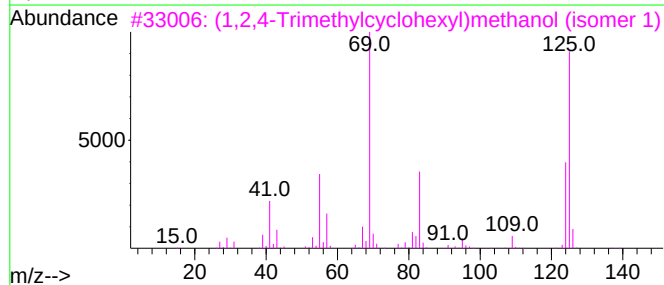
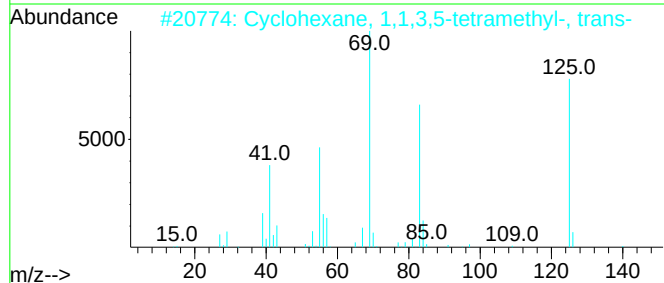
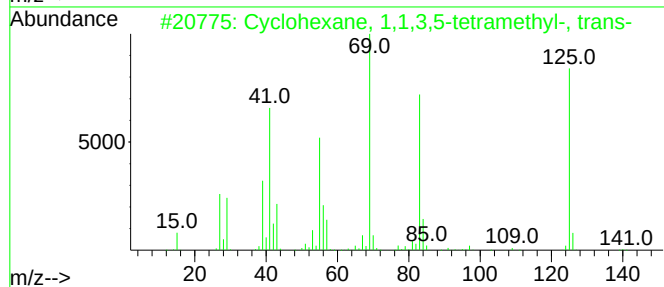
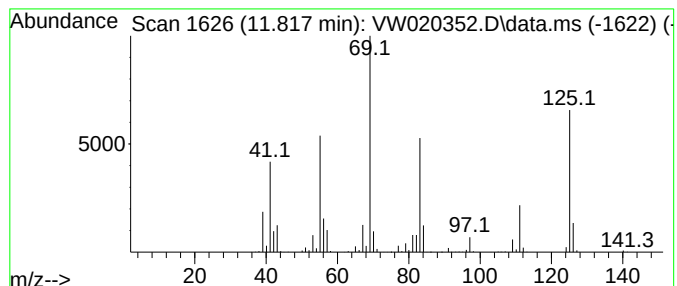
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.817 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	11.82 ug/L	447973	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	93
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	87
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	59
4			2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	43
5			3-Ethyl-4-octene	140	C10H20	019781-32-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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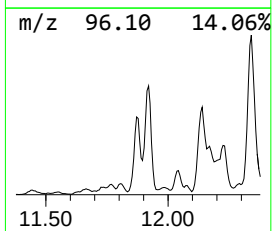
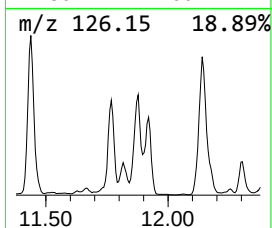
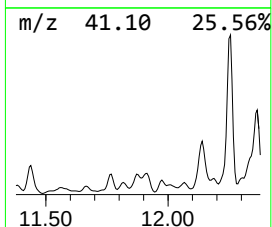
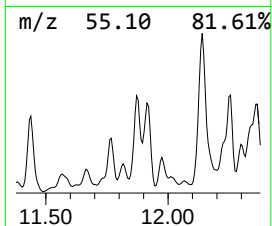
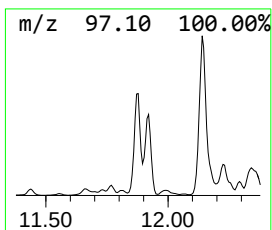
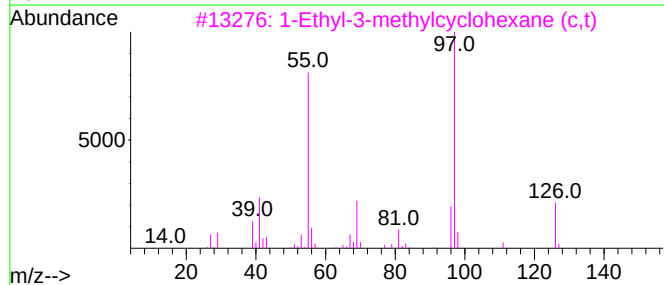
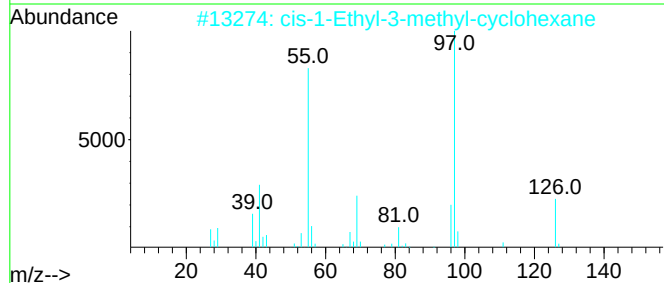
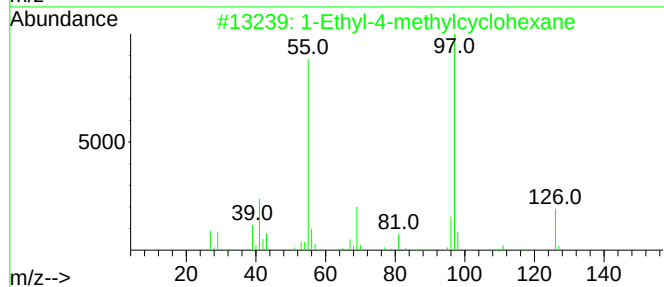
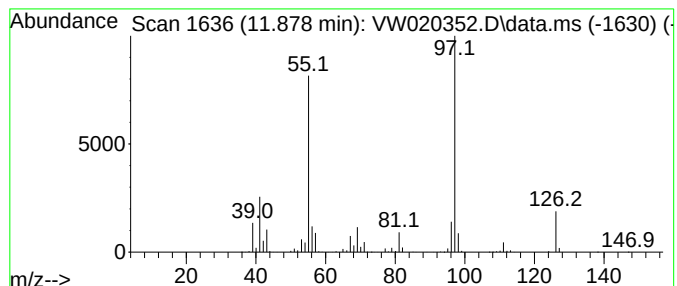
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic11.878 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.878	27.50 ug/L	1041740	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

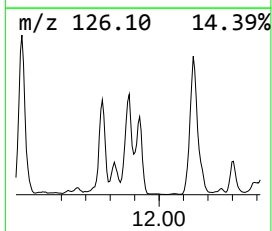
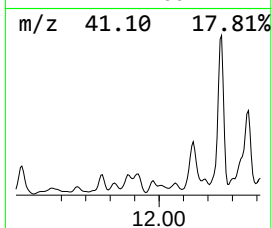
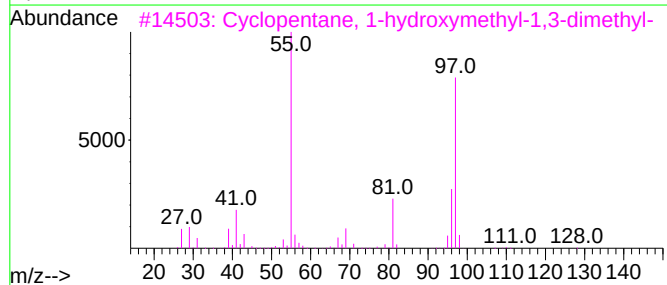
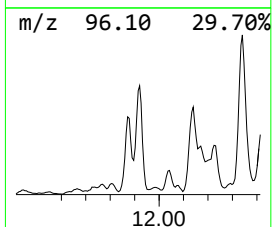
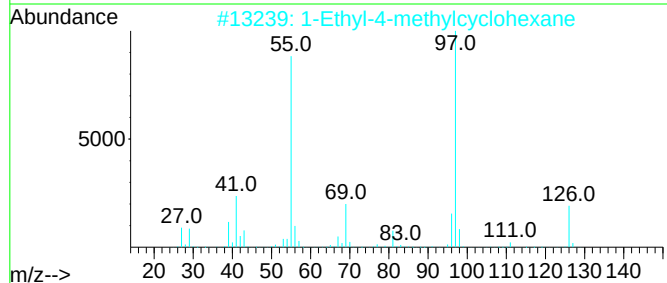
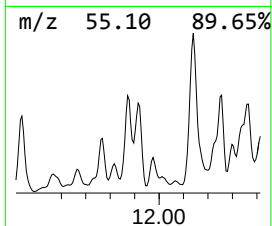
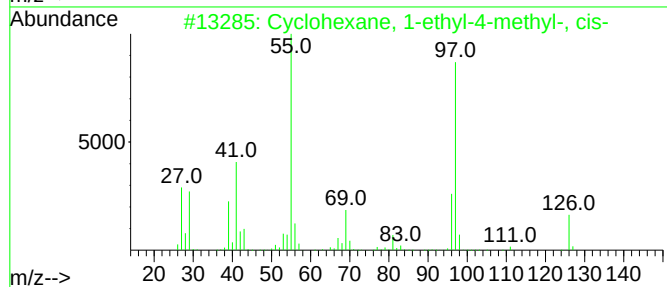
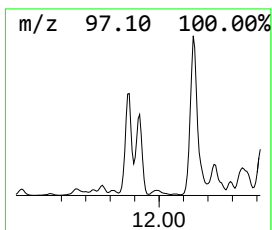
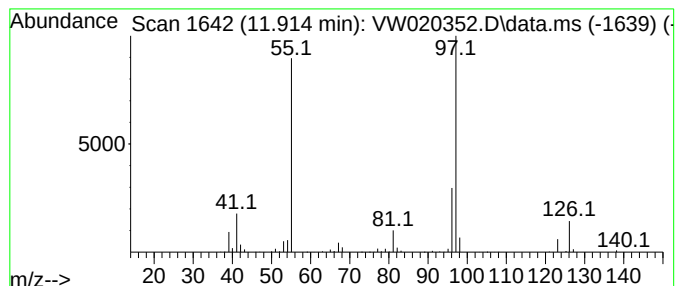
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.914 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	30.91 ug/L	1171110	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3		Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	64
4		Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	59
5		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

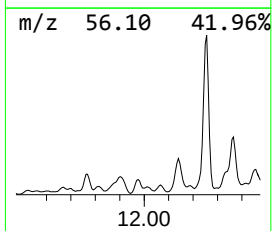
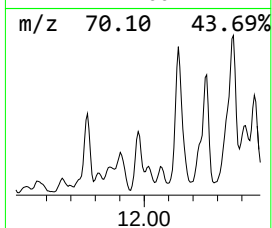
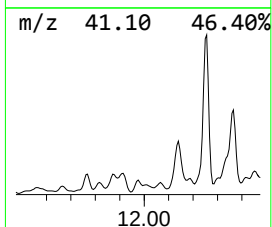
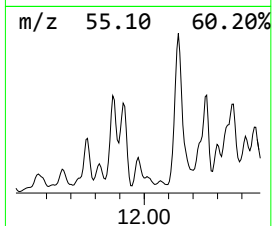
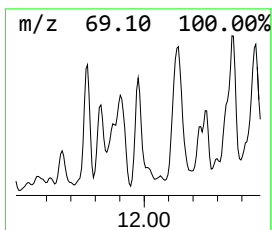
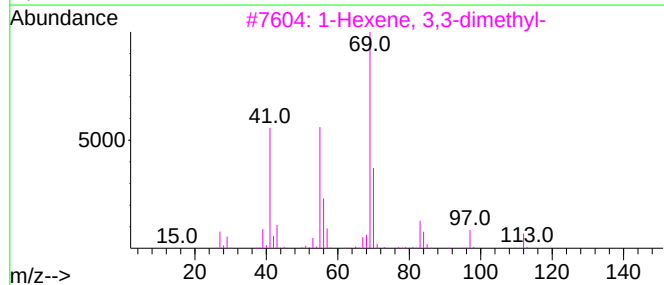
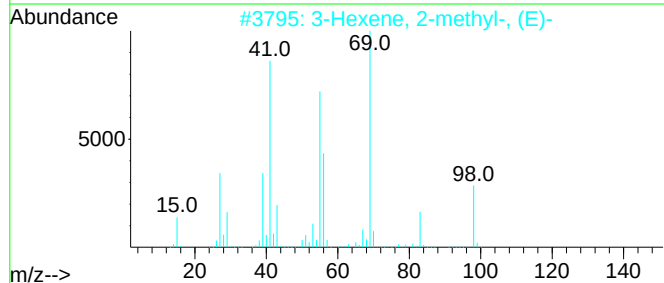
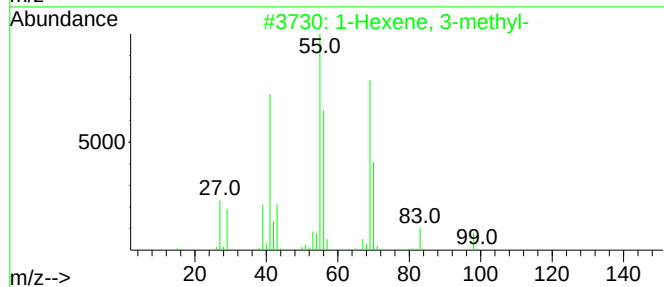
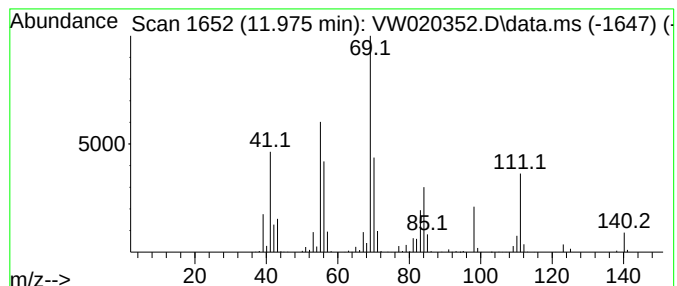
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.975	22.20 ug/L	841062	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	53
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	47
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43
5	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

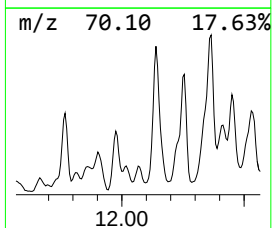
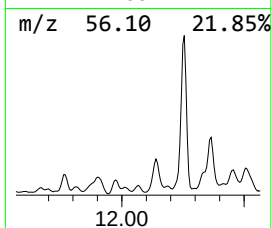
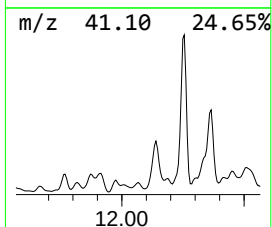
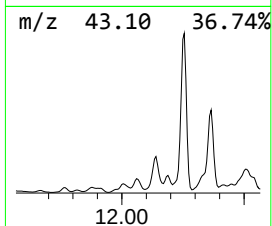
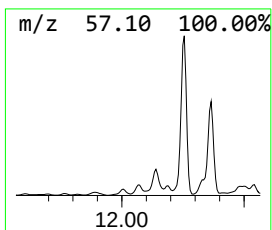
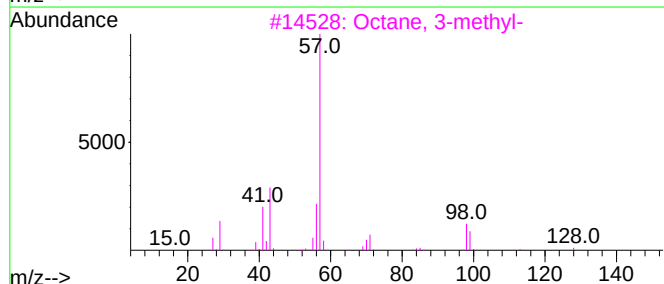
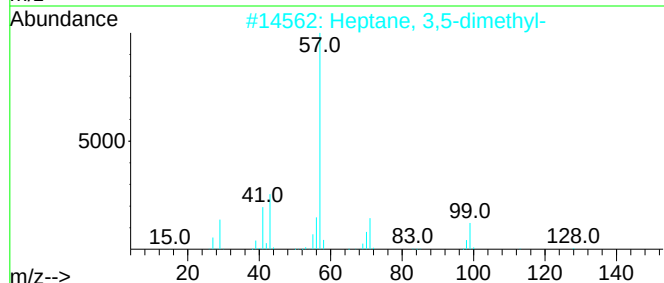
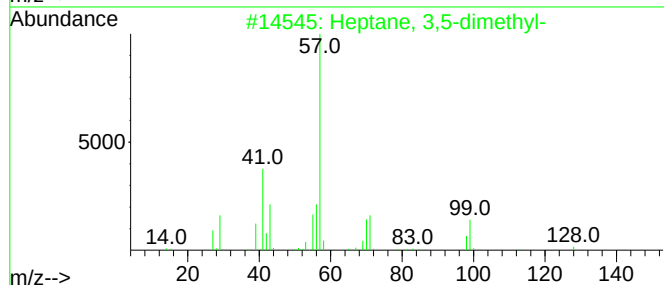
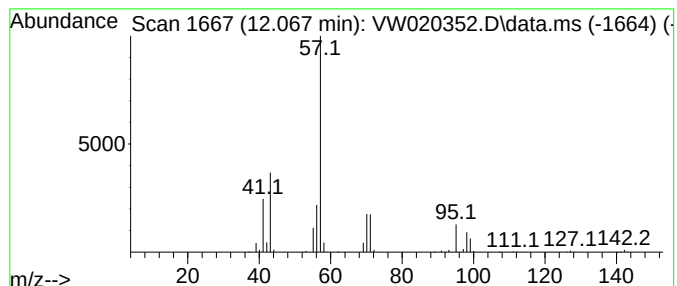
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.067	8.44 ug/L	319805	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
3		Octane, 3-methyl-	128	C9H20	002216-33-3	53
4		Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	50
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

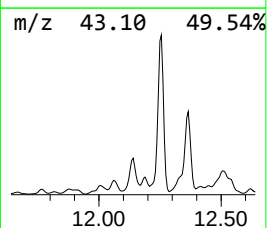
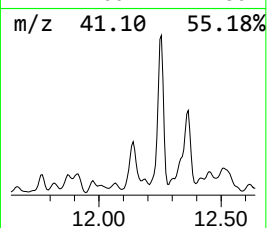
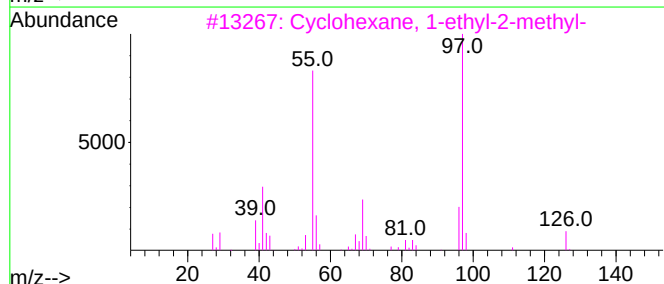
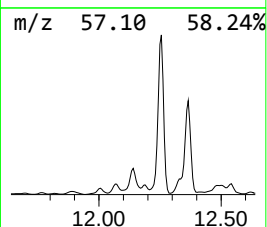
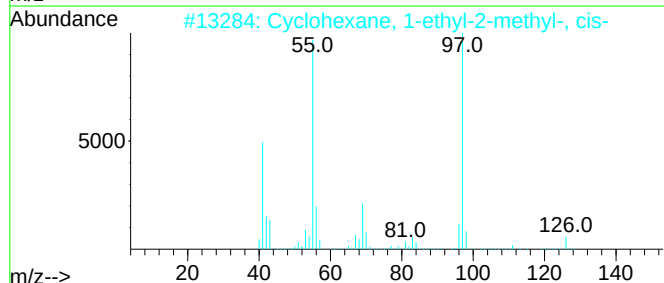
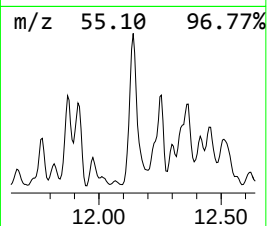
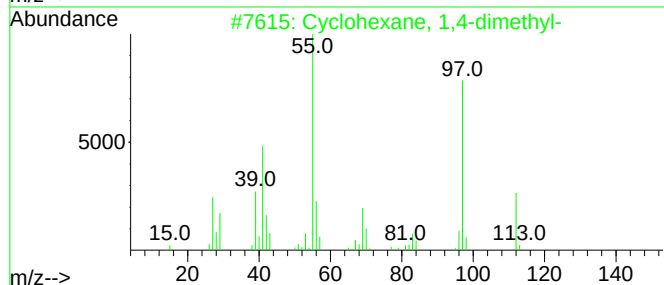
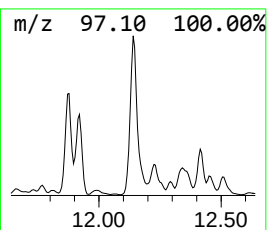
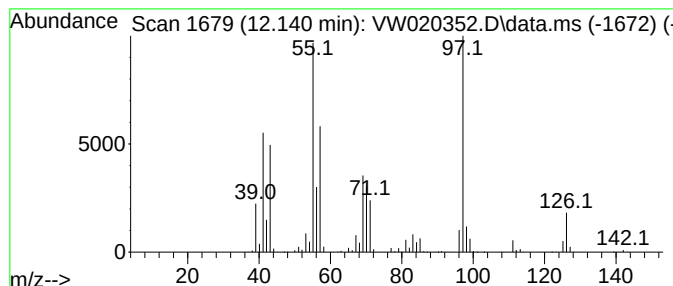
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic12.140 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	94.69 ug/L	3587400	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	58
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

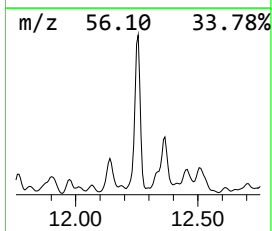
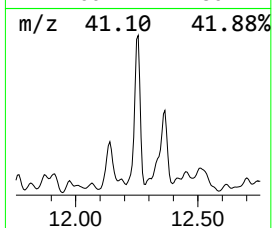
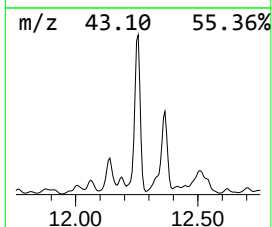
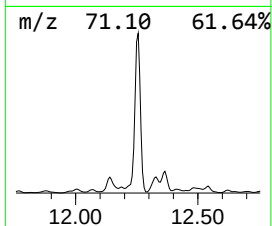
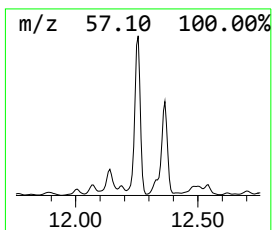
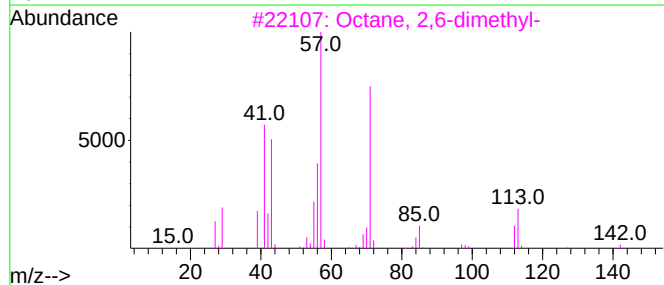
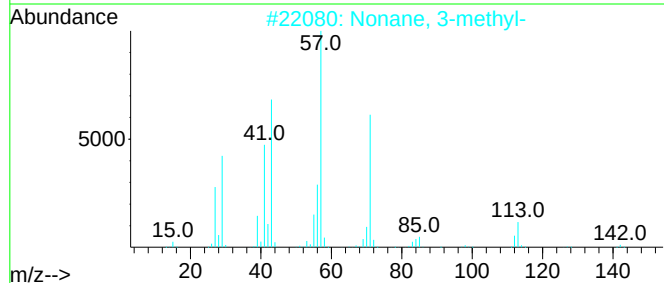
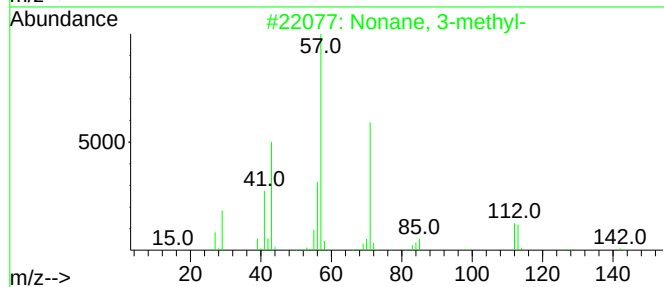
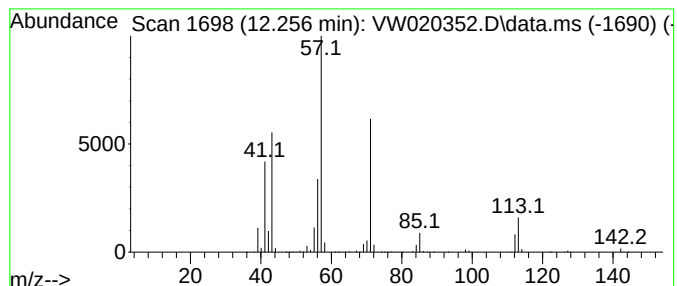
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.256	191.87 ug/L	7268750	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

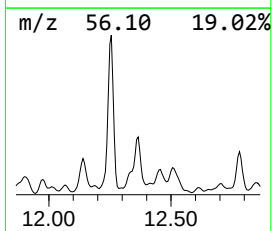
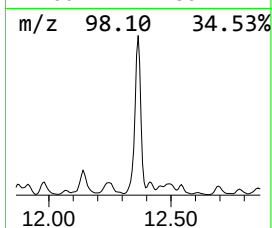
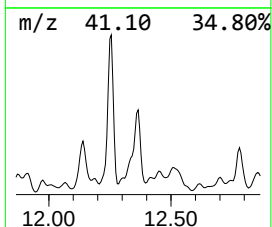
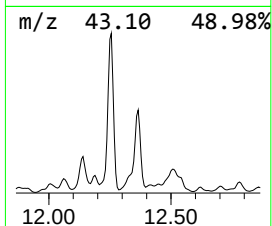
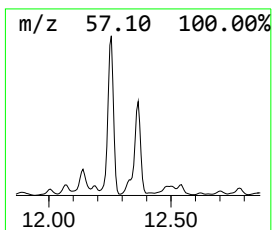
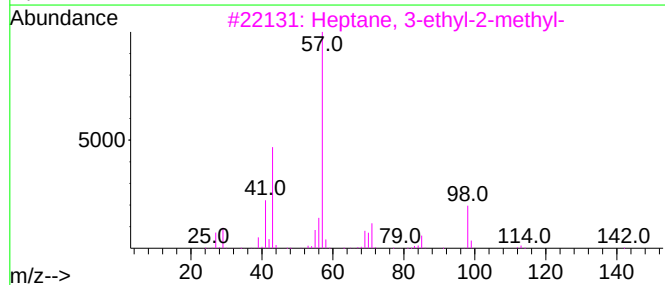
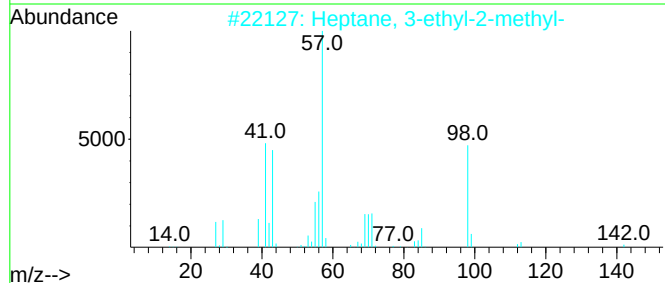
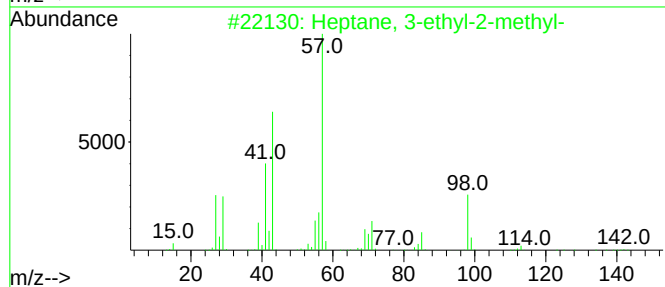
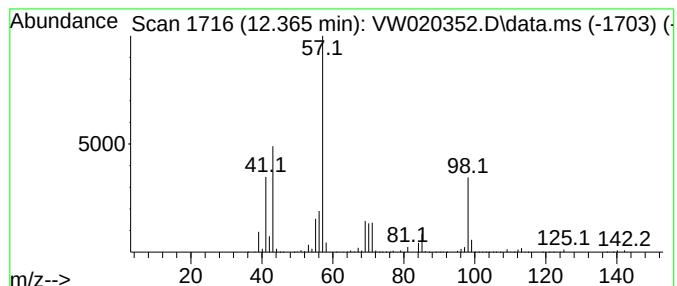
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	159.37 ug/L	6037510	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	80
5			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

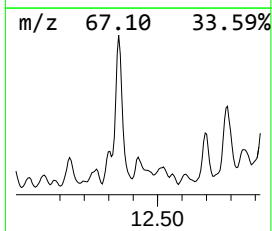
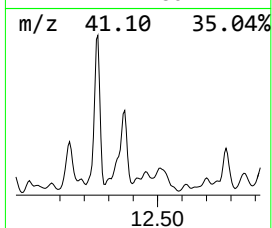
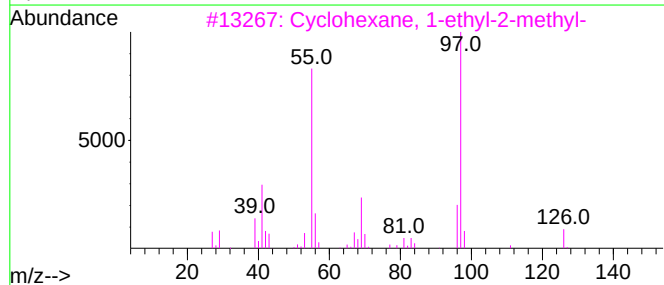
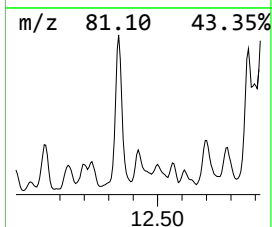
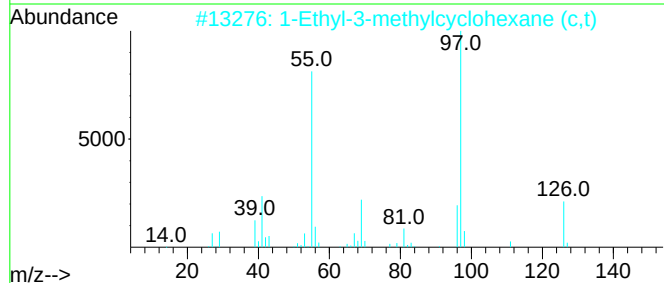
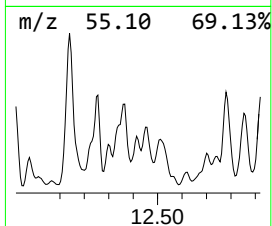
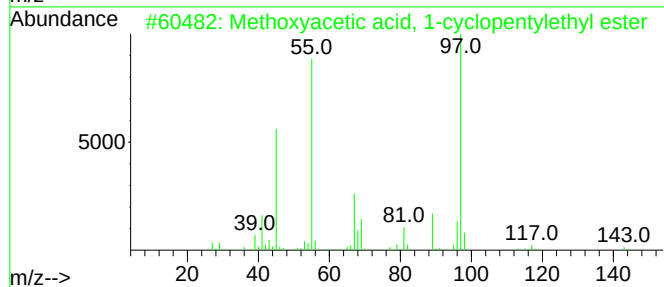
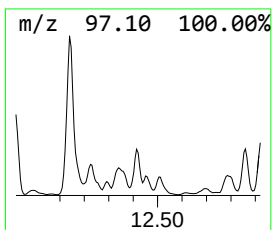
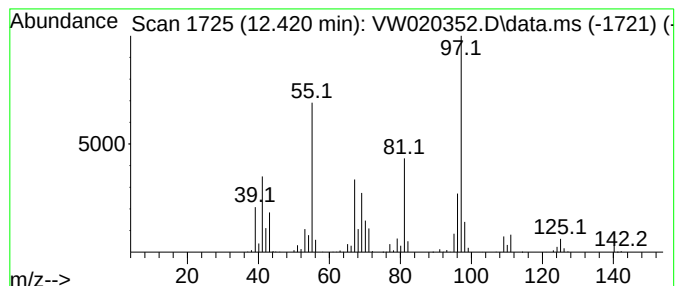
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 34 Methoxyacetic acid, 1-cyclo... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.420	15.53 ug/L	588418	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methoxyacetic acid, 1-cyclopenty...	186	C10H18O3	1000282-69-5	59
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
5	1-Methyl-3-piperidinamine, N-tri...	210	C8H13F3N2O	1344377-30-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

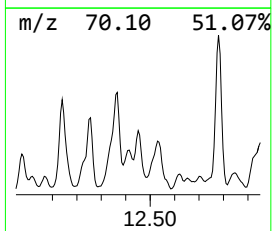
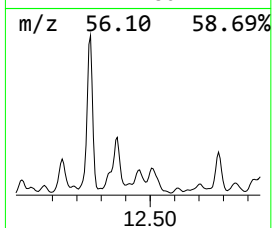
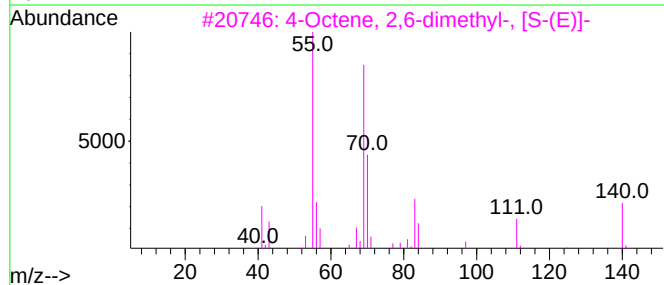
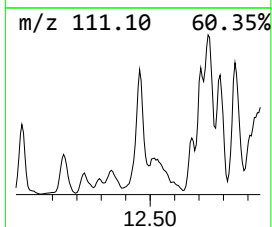
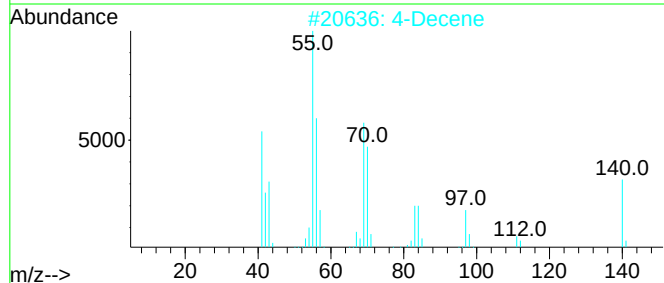
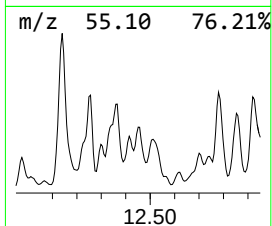
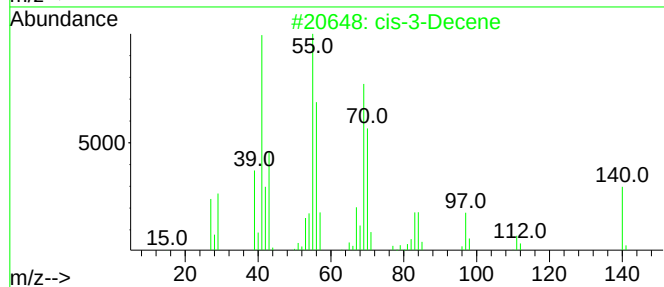
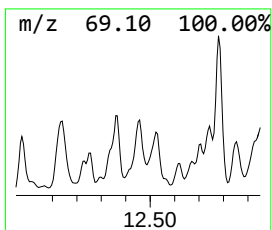
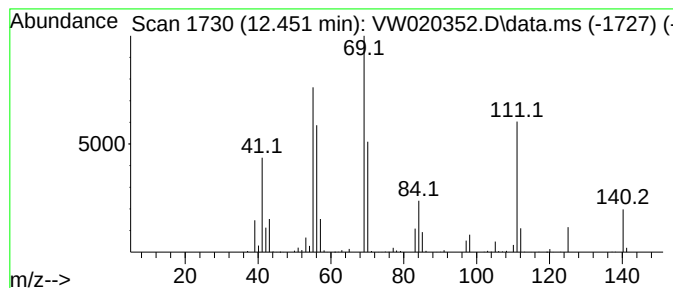
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	31.03 ug/L	1175530	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-3-Decene	140	C10H20	019398-86-8	74
2			4-Decene	140	C10H20	019689-18-0	55
3			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
4			2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	47
5			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

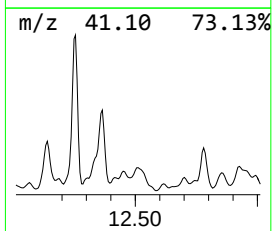
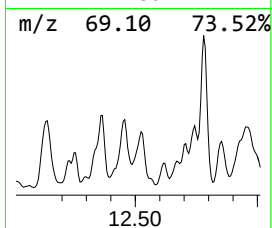
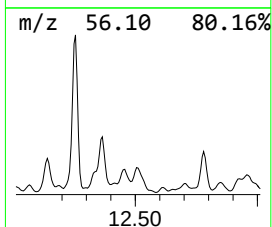
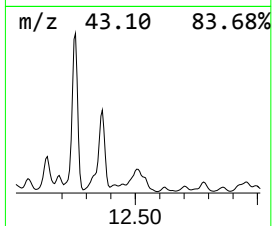
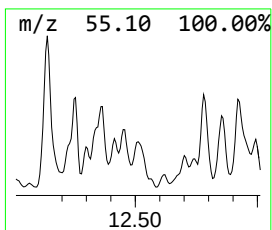
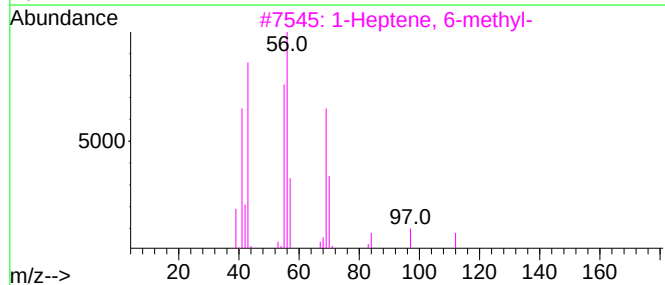
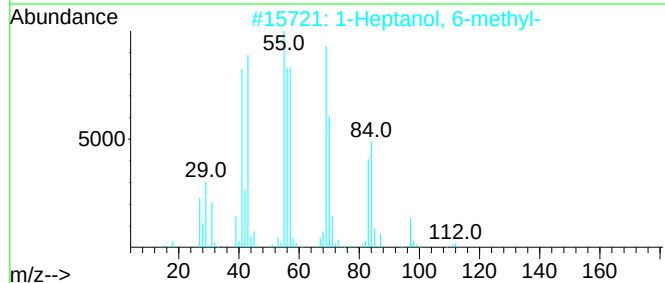
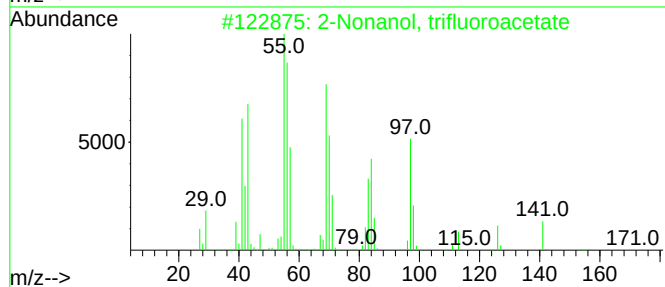
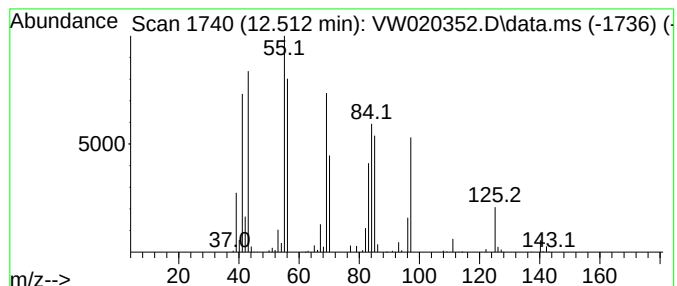
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Quant Title : SFAM01.0

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

Peak Number 36 2-Nonanol, trifluoroacetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.512	66.55 ug/L	2521350	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Nonanol, trifluoroacetate	240	C11H19F3O2	263911-21-3	64
2			1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	50
3			1-Heptene, 6-methyl-	112	C8H16	005026-76-6	47
4			Cyclooctane, 1,5-dimethyl-	140	C10H20	021328-57-4	46
5			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

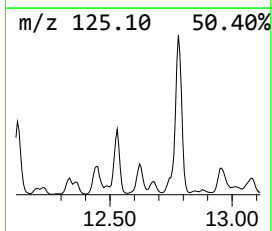
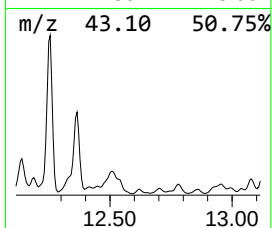
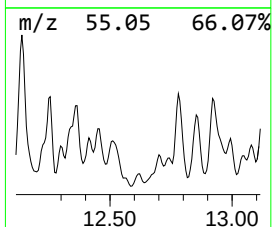
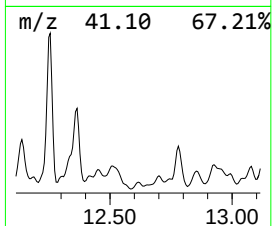
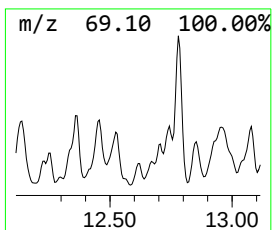
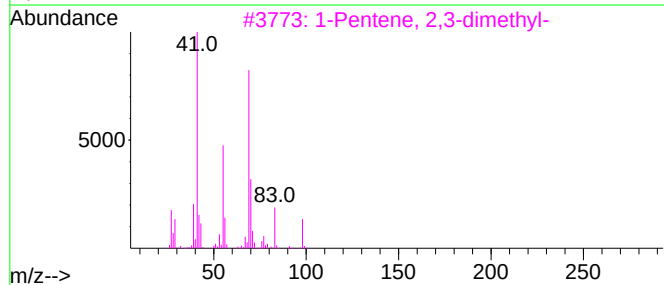
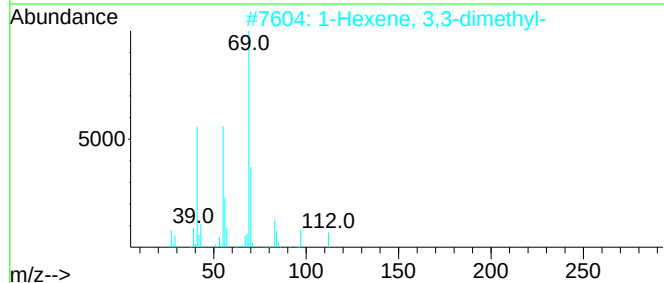
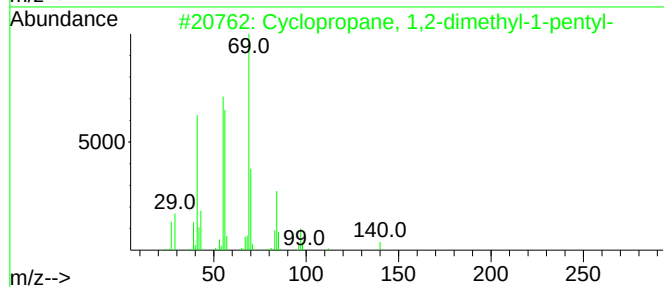
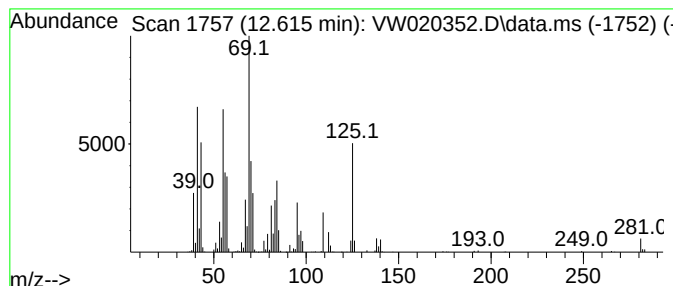
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Cyclic12.615 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	10.99 ug/L	493683	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	64
2			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
3			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43
4			1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	43
5			3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

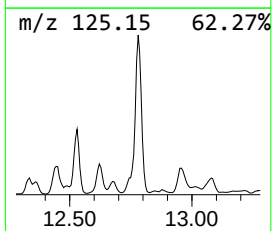
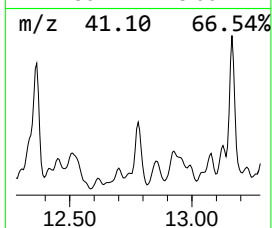
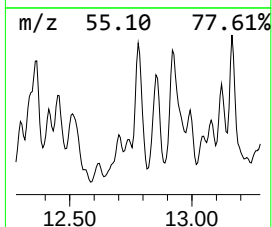
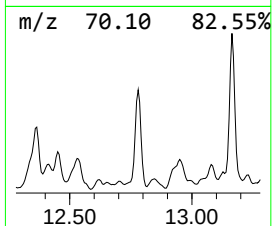
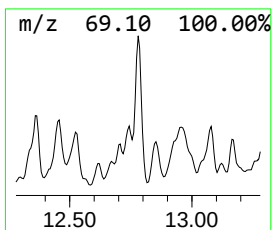
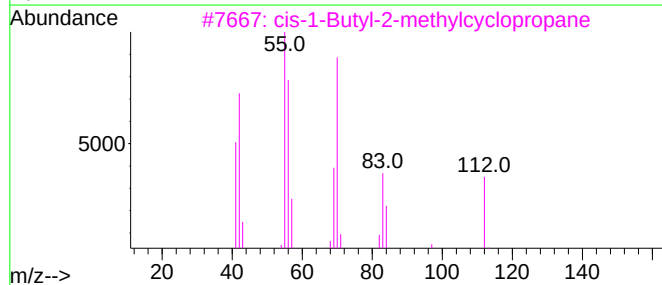
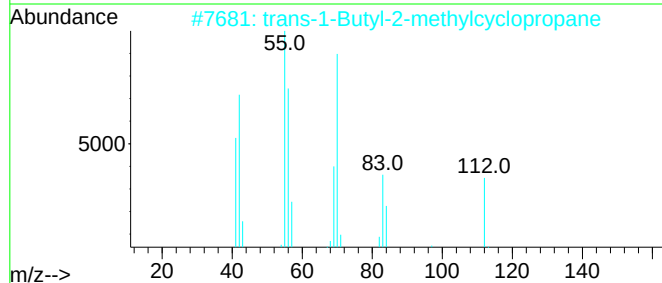
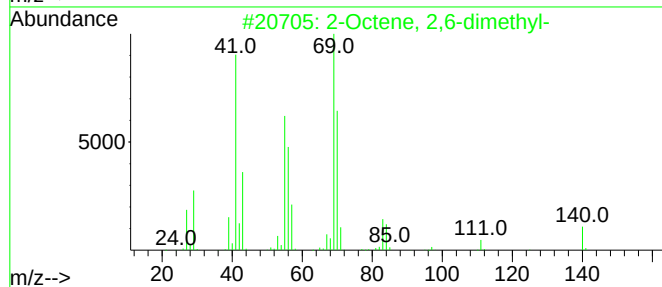
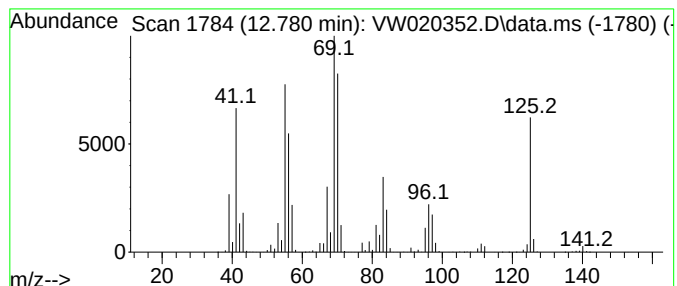
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	56.47 ug/L	2536560	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
4		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
5		Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

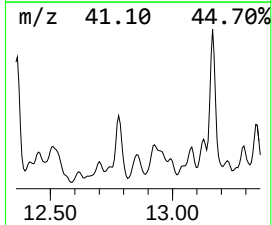
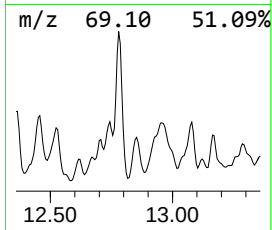
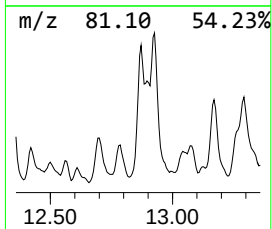
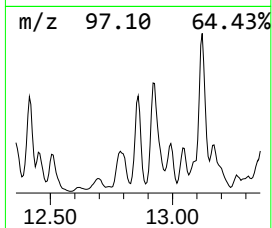
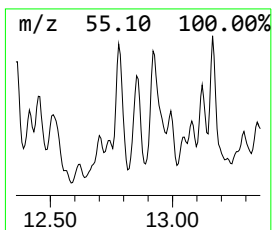
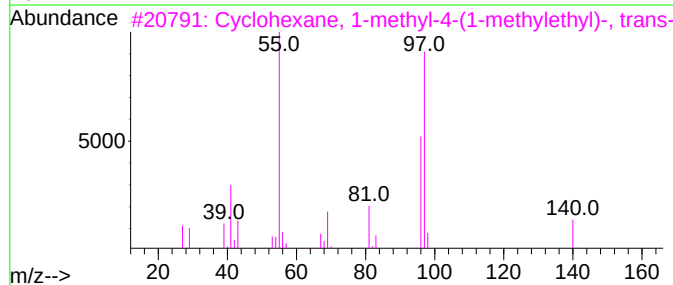
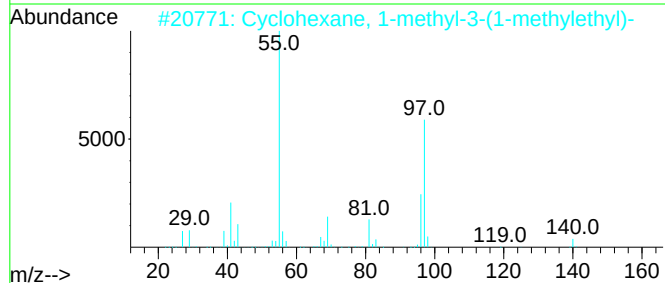
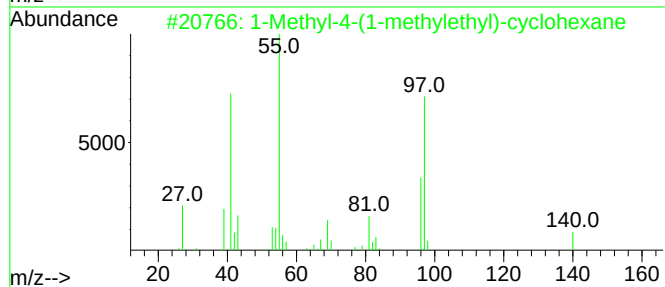
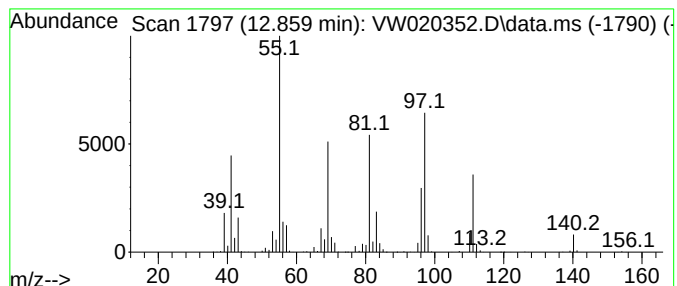
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic12.859 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	29.91 ug/L	1343740	1,4-Dichlorobenzene-d4	13.560
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyl-4-(1-methylethyl)-cyclo...	140 C10H20	000099-82-1 58
2		Cyclohexane, 1-methyl-3-(1-methy...	140 C10H20	016580-24-8 58
3		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 50
4		1-Methyl-4-(1-methylethyl)-cyclo...	140 C10H20	000099-82-1 49
5		Cyclohexane, 1-methyl-2-propyl-	140 C10H20	004291-79-6 49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

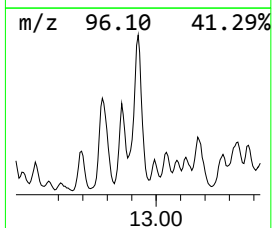
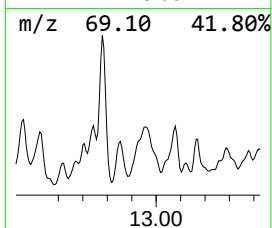
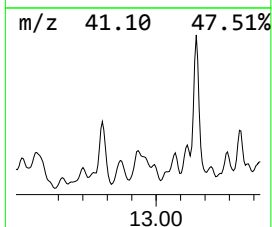
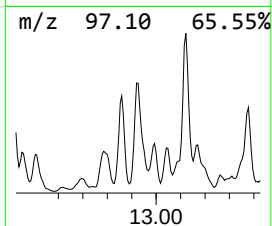
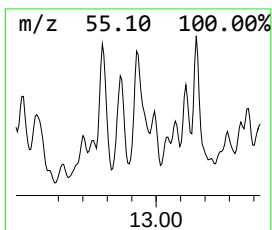
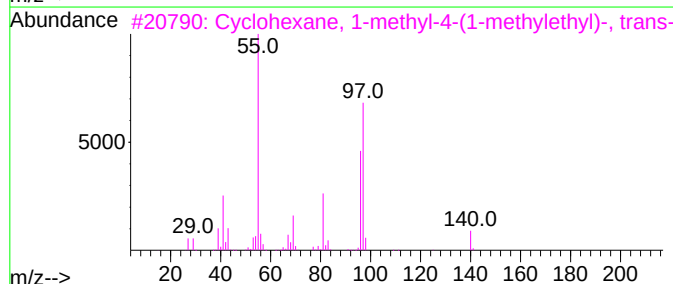
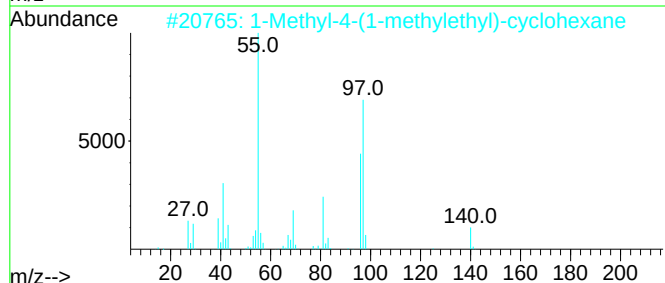
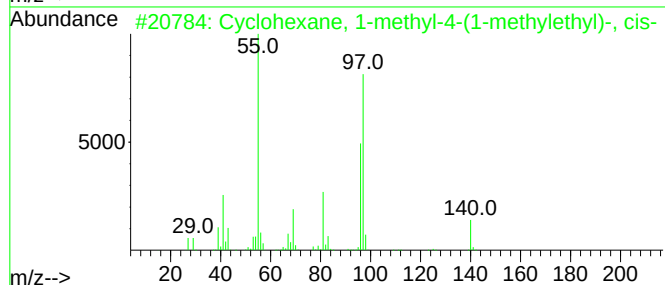
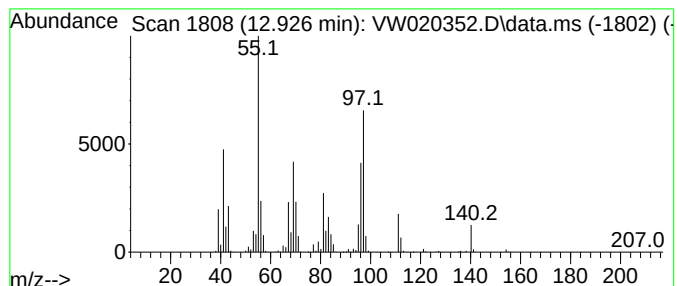
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic12.926 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.926	50.73 ug/L	2278740	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	53
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

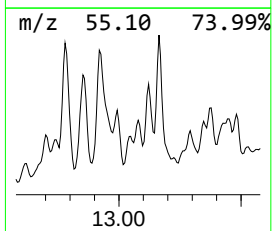
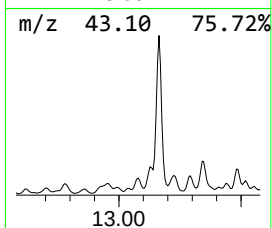
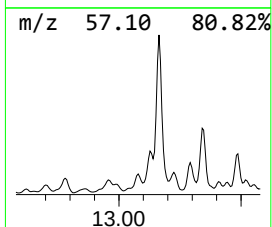
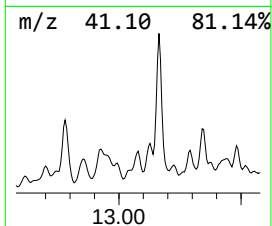
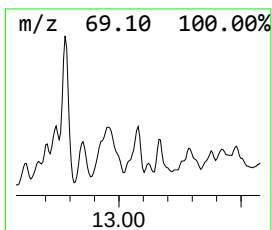
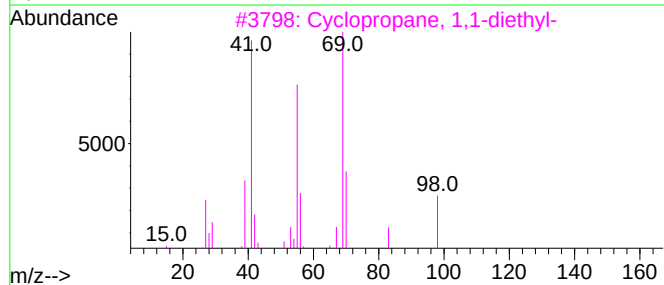
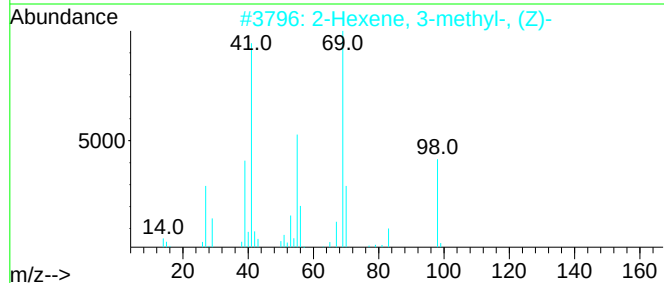
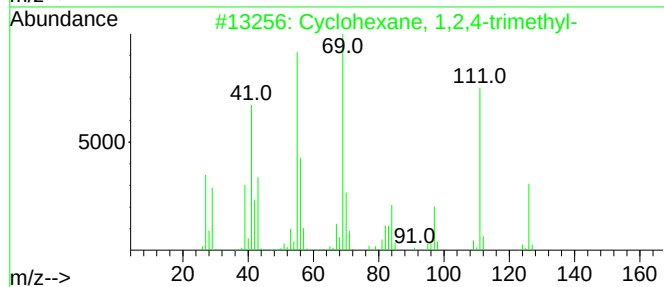
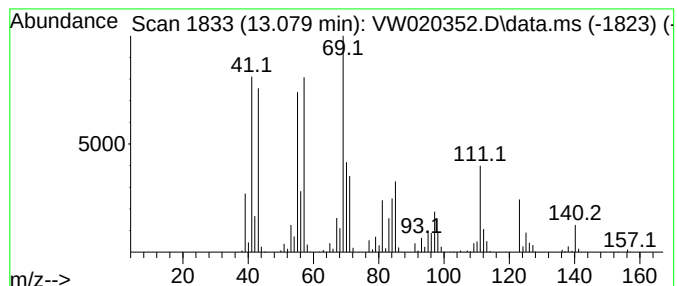
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Cyclic13.079 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	31.76 ug/L	1426760	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
2			2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	50
3			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	50
4			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
5			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

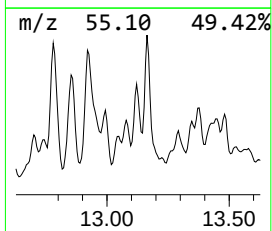
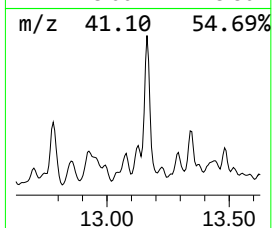
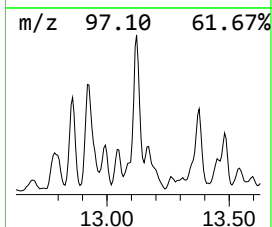
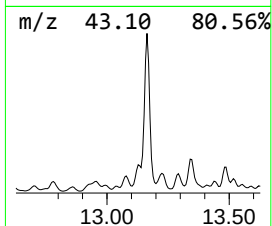
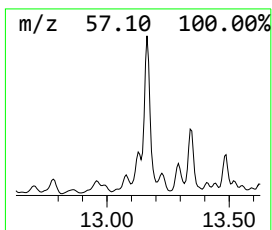
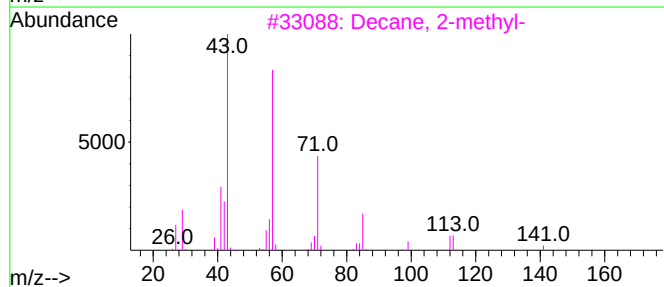
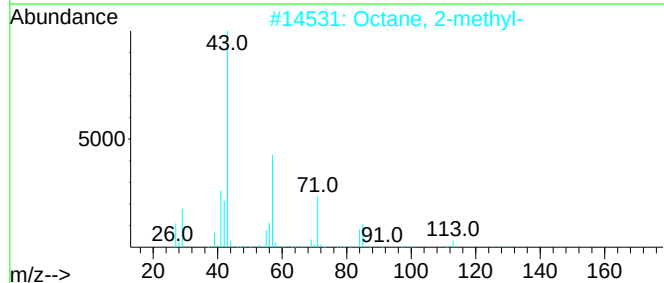
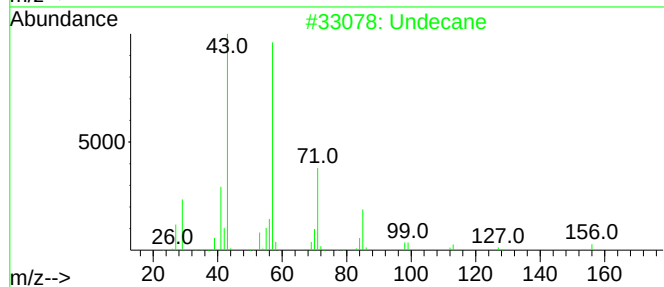
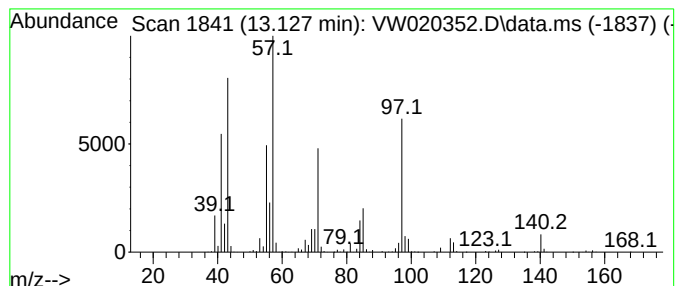
Instrument :
MSVOA_W
ClientSampleId :
EW908

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

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.127	22.49 ug/L	1010250	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	53
2	Octane, 2-methyl-	128	C9H20	003221-61-2	52
3	Decane, 2-methyl-	156	C11H24	006975-98-0	52
4	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	50
5	Hexadecane	226	C16H34	000544-76-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

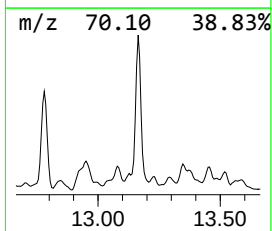
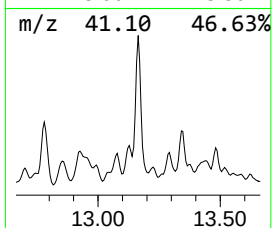
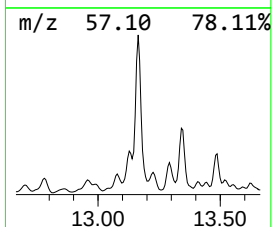
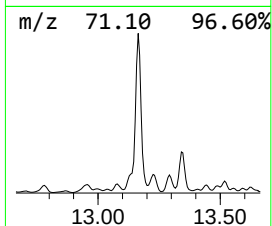
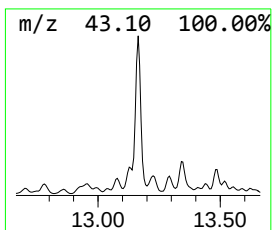
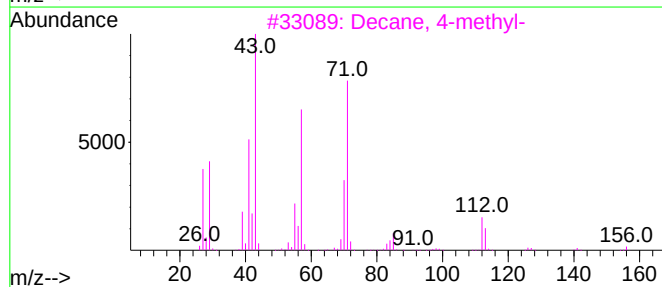
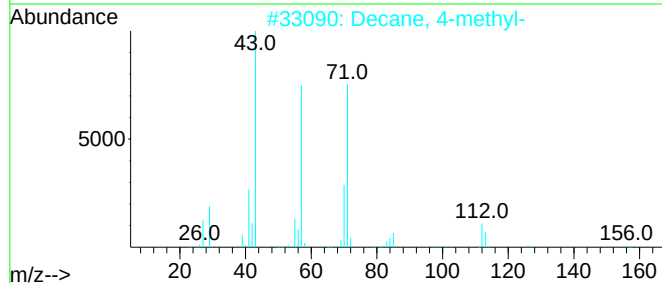
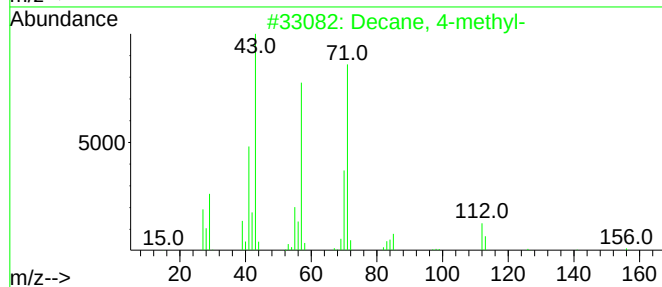
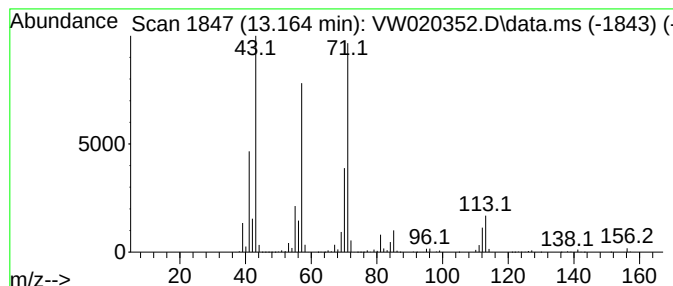
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	103.77 ug/L	4661190	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	94
2		Decane, 4-methyl-	156	C11H24	002847-72-5	91
3		Decane, 4-methyl-	156	C11H24	002847-72-5	90
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

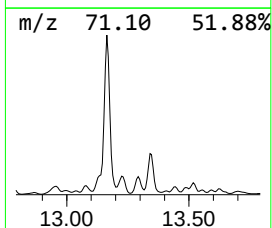
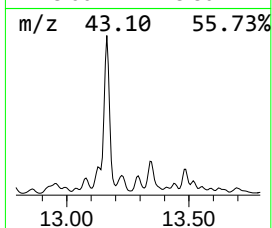
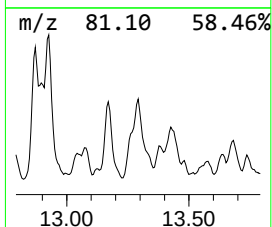
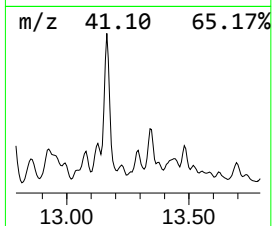
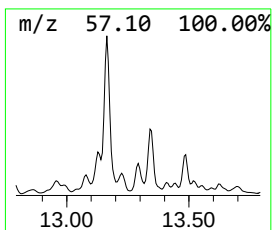
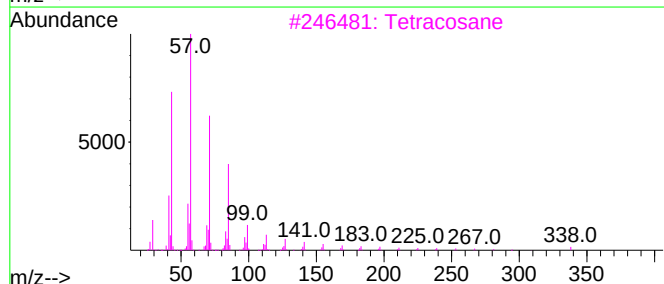
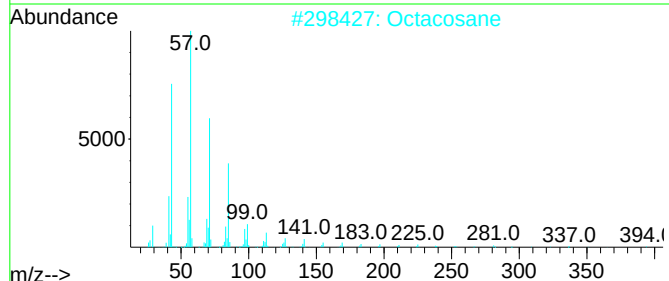
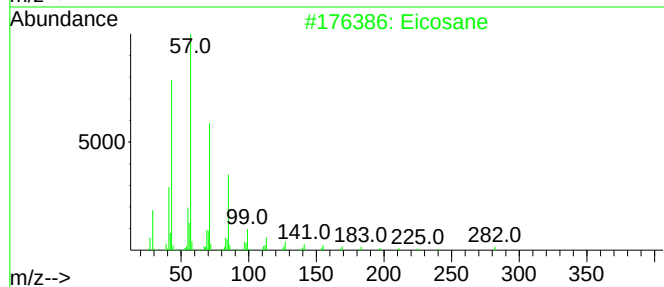
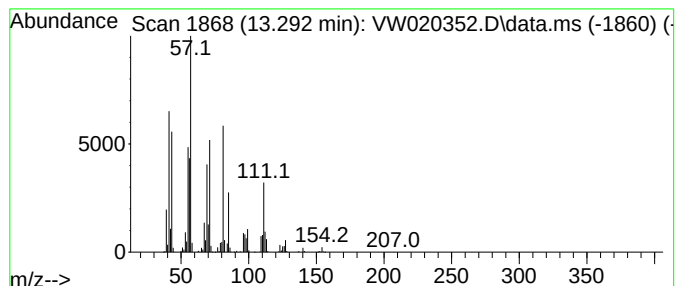
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	23.45 ug/L	1053390	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Eicosane	282	C20H42	000112-95-8	47
2		Octacosane	394	C28H58	000630-02-4	47
3		Tetracosane	338	C24H50	000646-31-1	47
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
5		Pentacosane	352	C25H52	000629-99-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

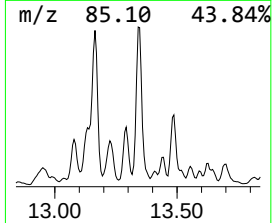
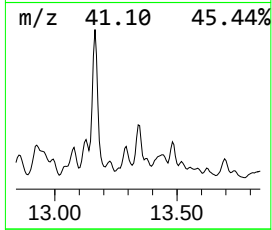
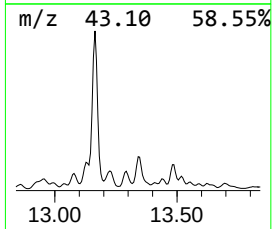
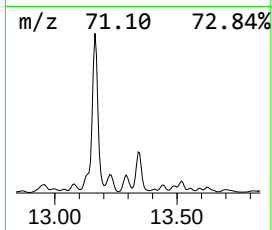
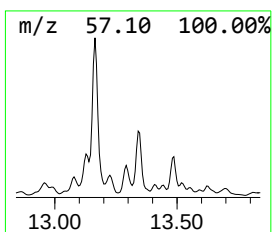
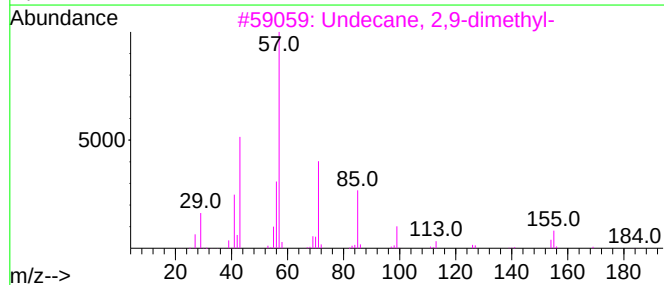
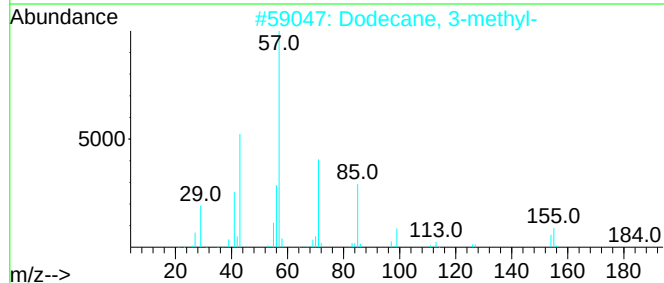
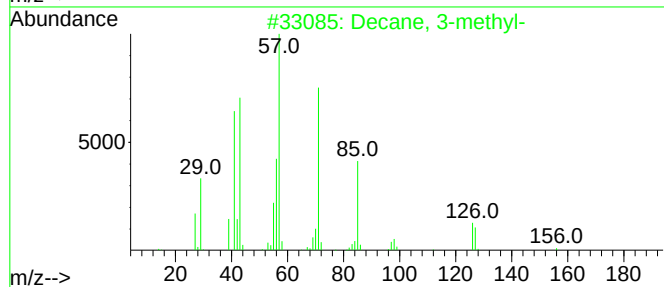
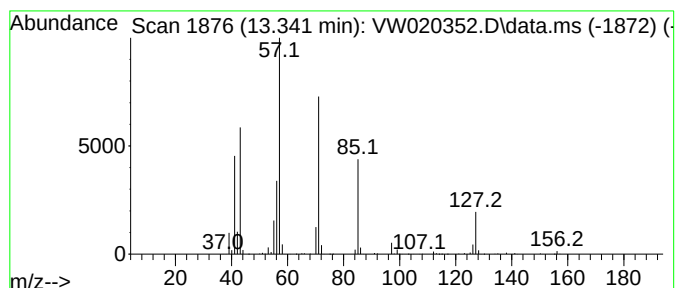
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 45 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.341	25.38 ug/L	1139980	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	87
2	Dodecane, 3-methyl-		184	C13H28	017312-57-1	72
3	Undecane, 2,9-dimethyl-		184	C13H28	017301-26-7	64
4	Nonadecane		268	C19H40	000629-92-5	64
5	Sulfurous acid, 2-ethylhexyl iso...		278	C14H30O3S	1000309-19-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

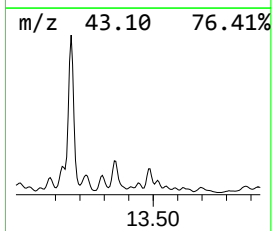
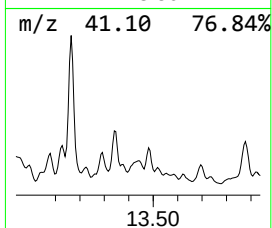
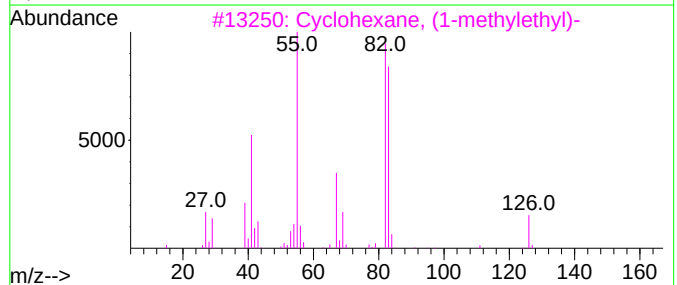
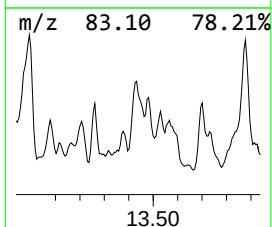
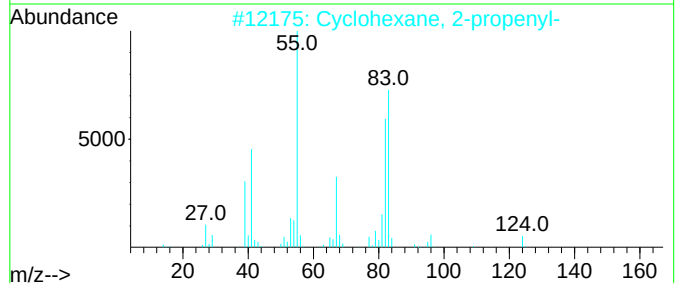
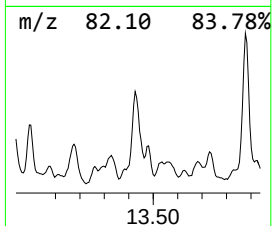
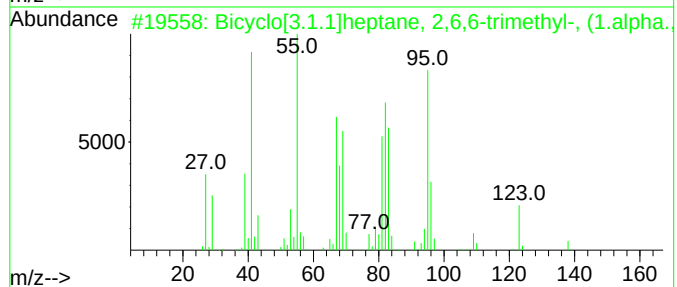
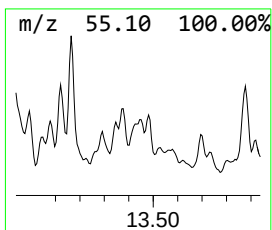
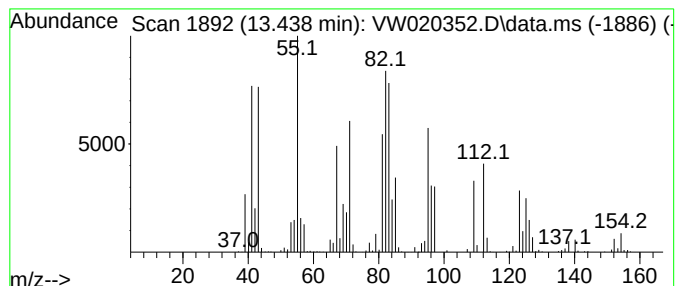
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Quant Title : SFAM01.0

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

Peak Number 46 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	14.39 ug/L	646381	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	46
2			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
4			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	38
5			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

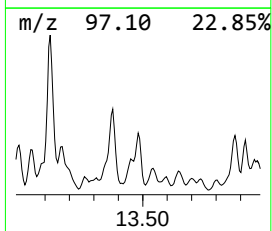
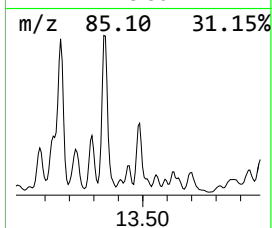
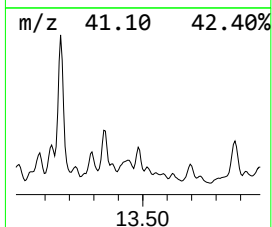
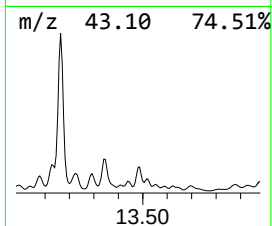
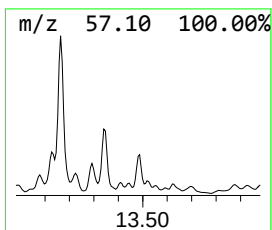
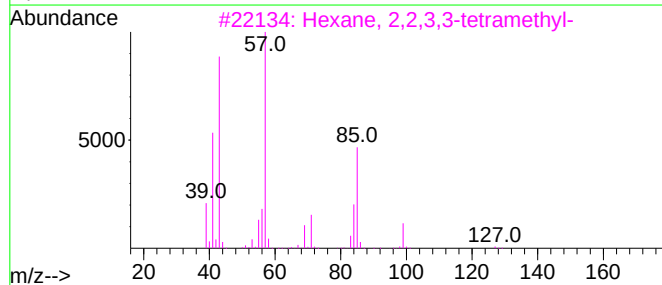
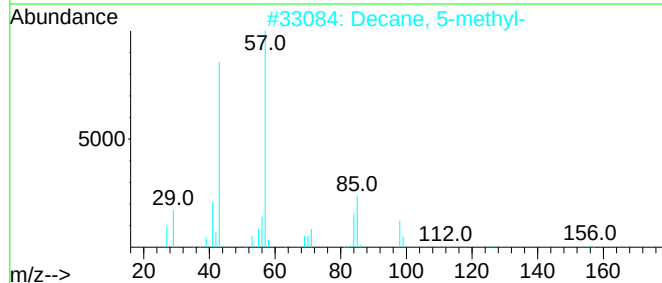
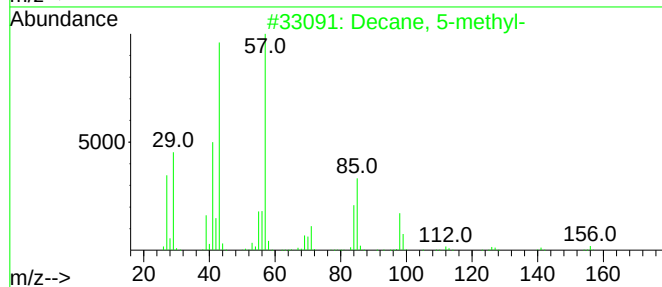
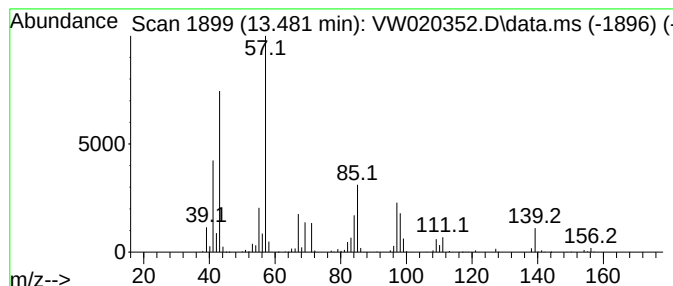
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	16.05 ug/L	721190	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 5-methyl-	156	C11H24	013151-35-4	53
2		Decane, 5-methyl-	156	C11H24	013151-35-4	49
3		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	38
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
5		Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

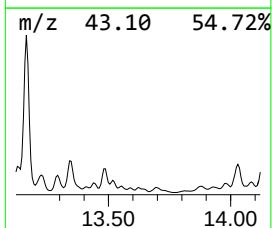
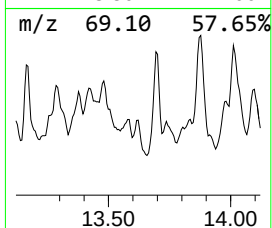
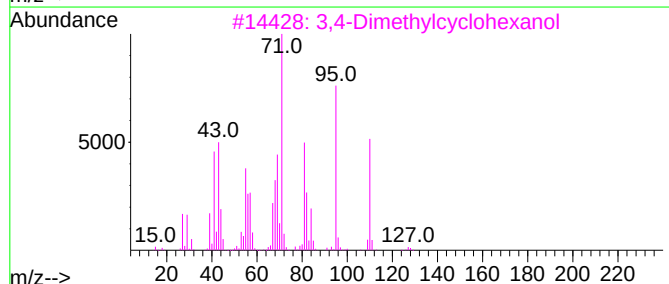
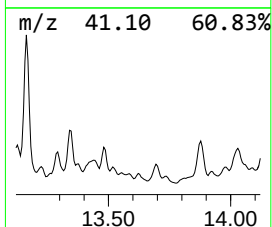
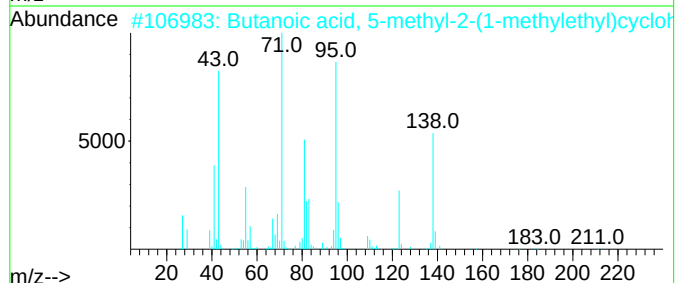
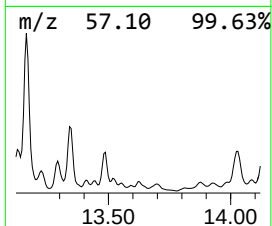
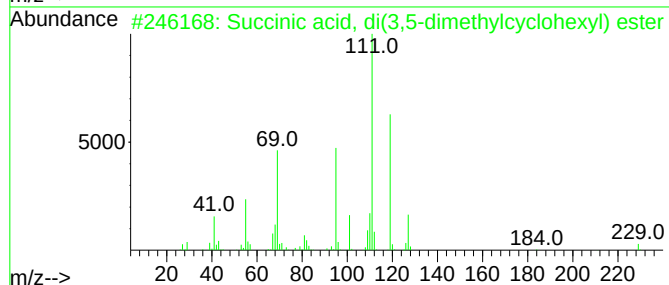
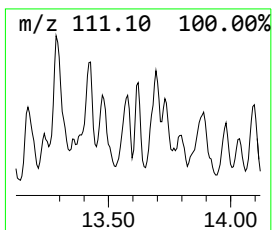
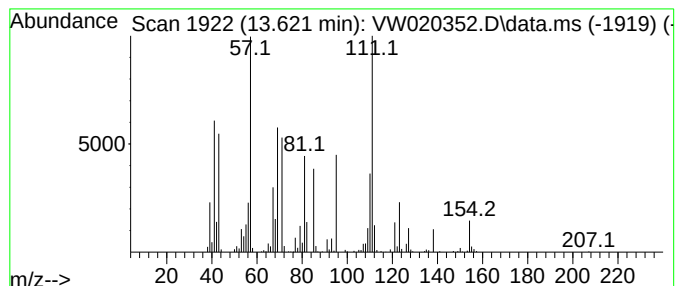
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Quant Title : SFAM01.0

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

Peak Number 48 unknown-03 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	4.74 ug/L	212803	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, di(3,5-dimethylcy...	338	C20H34O4	1000330-05-9	38
2			Butanoic acid, 5-methyl-2-(1-met...	226	C14H26O2	092319-43-2	22
3			3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	22
4			1,4-Diazabicyclo[4.3.0]nonan-2,5...	196	C9H12N2O3	1000512-90-4	14
5			Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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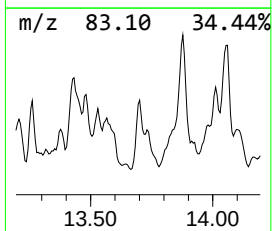
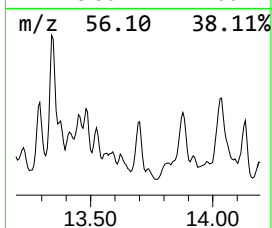
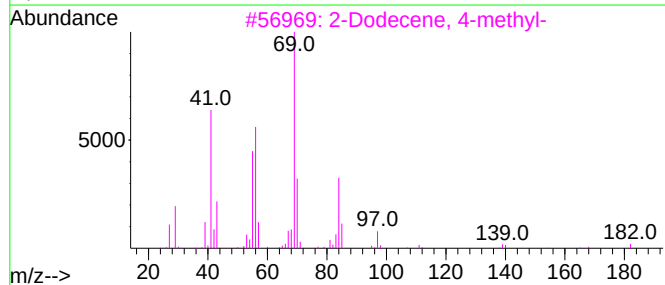
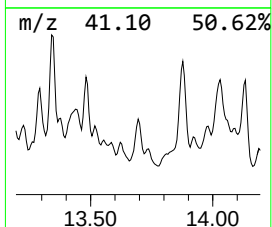
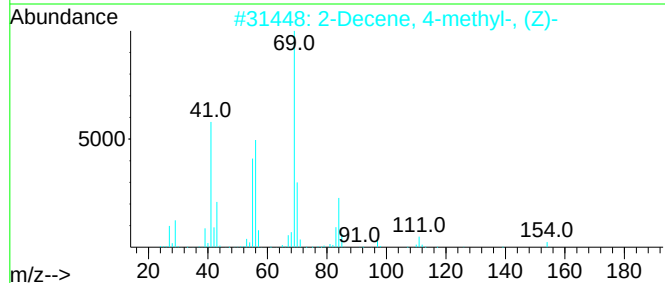
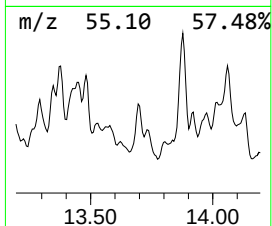
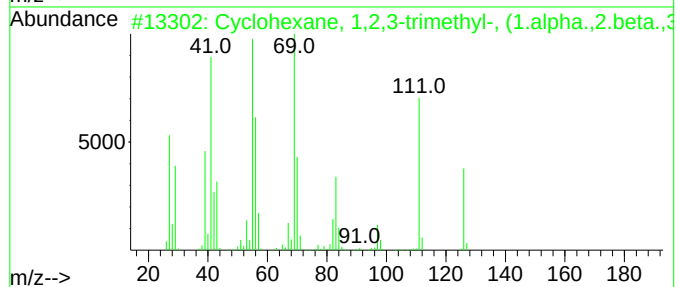
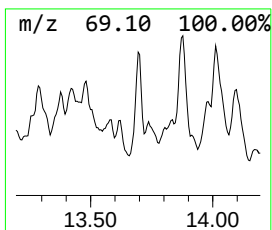
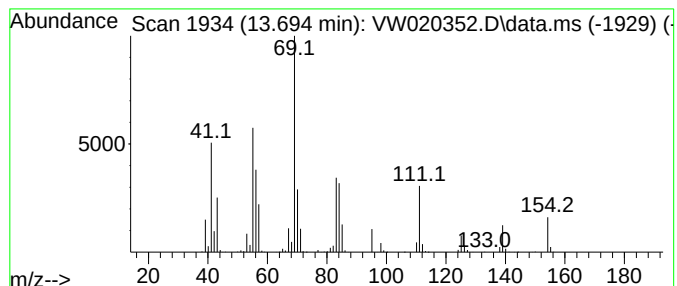
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Cyclic13.694 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.694	12.82 ug/L	575665	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	76
2			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	72
3			2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	59
4			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	52
5			4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

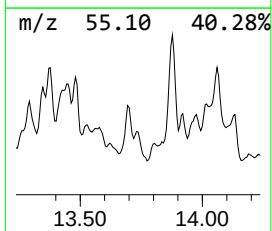
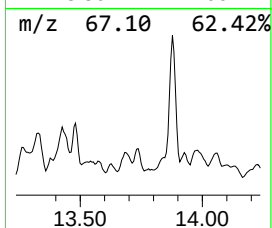
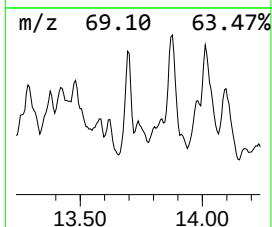
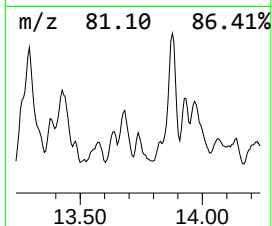
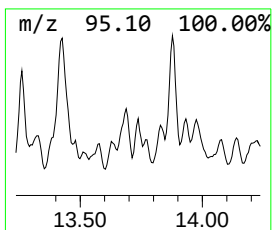
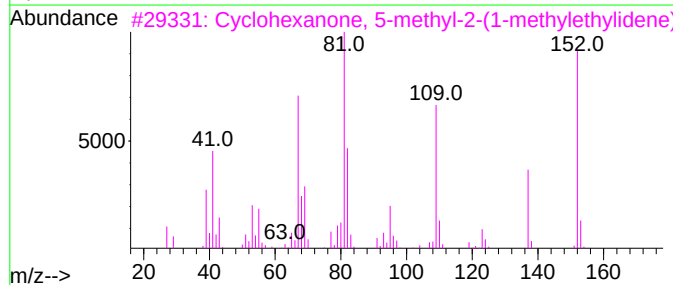
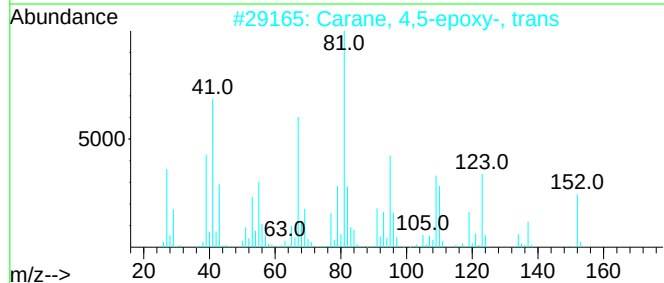
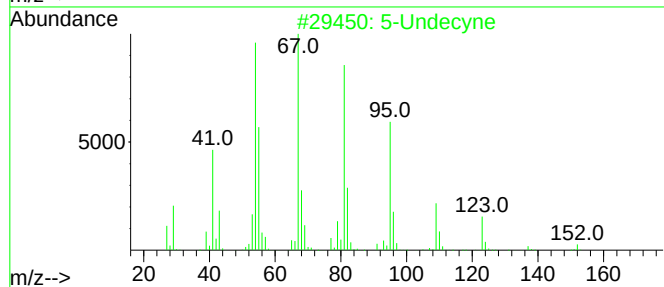
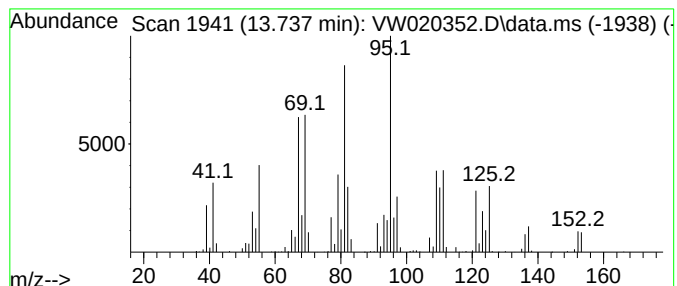
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Quant Title : SFAM01.0

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

Peak Number 50 5-Undecyne Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.737	6.92 ug/L	310793	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Undecyne	152	C11H20	002294-72-6	64
2			Carane, 4,5-epoxy-, trans	152	C10H16O	006909-20-2	60
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

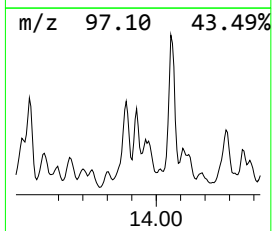
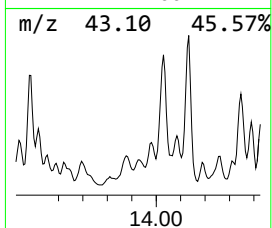
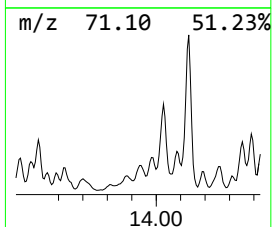
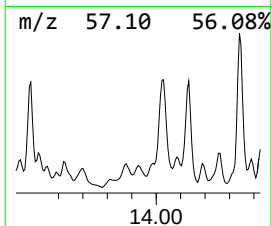
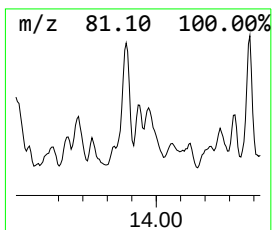
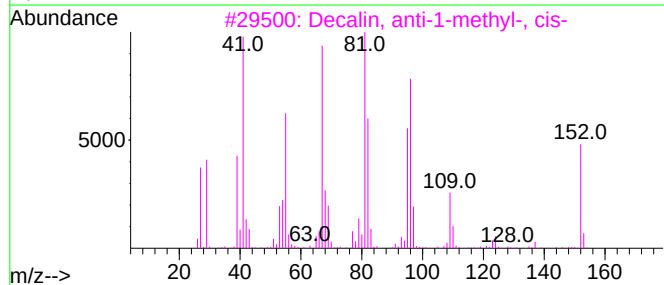
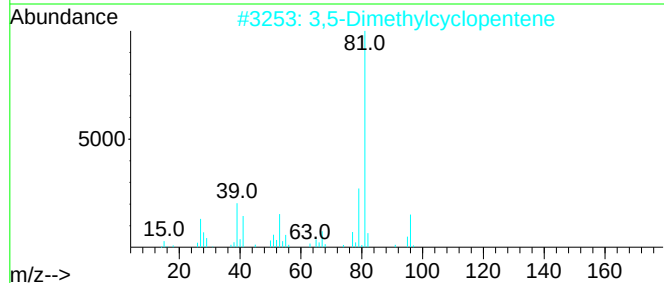
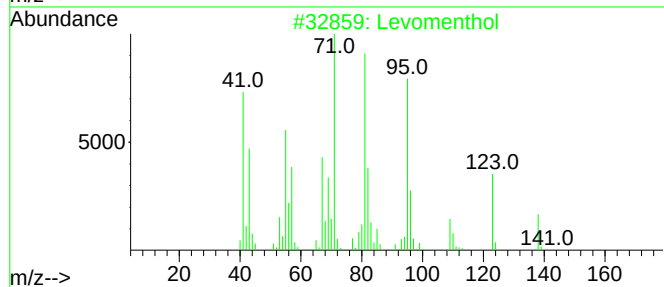
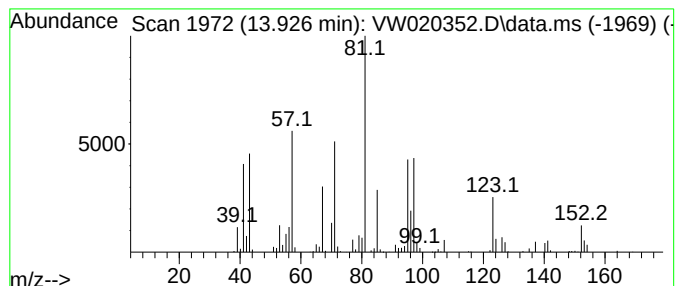
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Quant Title : SFAM01.0

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

Peak Number 51 unknown-04 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.926	3.52 ug/L	157921	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Levomenthol	156	C10H20O	002216-51-5	38
2		3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	25
3		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	25
4		Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	021129-27-1	25
5		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

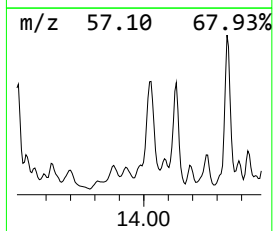
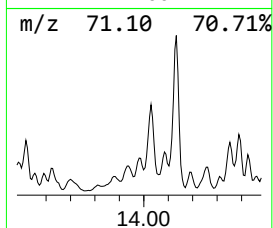
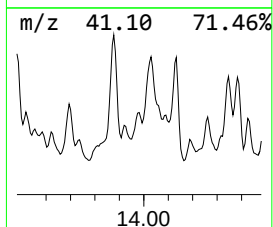
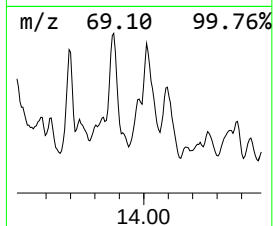
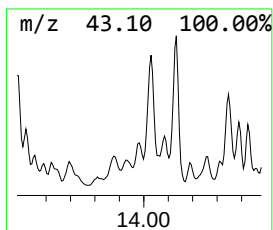
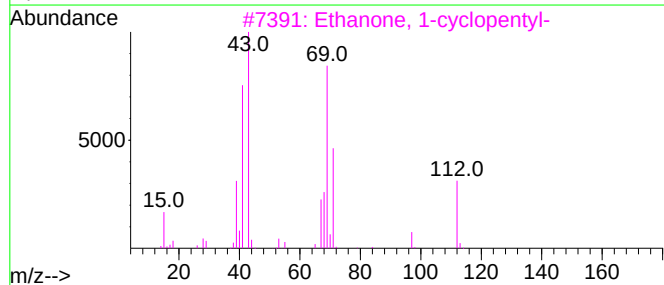
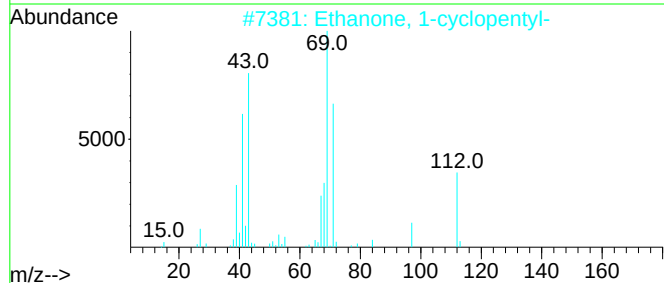
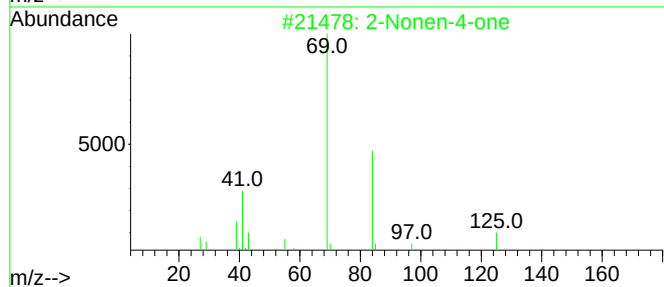
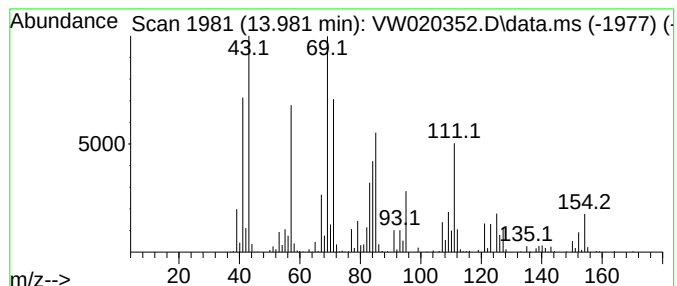
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Quant Title : SFAM01.0

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

Peak Number 52 unknown-05 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	6.77 ug/L	303941	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonen-4-one			140	C9H16O	032064-72-5	38
2	Ethanone, 1-cyclopentyl-			112	C7H12O	006004-60-0	38
3	Ethanone, 1-cyclopentyl-			112	C7H12O	006004-60-0	38
4	Hexane, 2,3,4-trimethyl-			128	C9H20	000921-47-1	30
5	2-Pentene, 4-methyl-			84	C6H12	004461-48-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

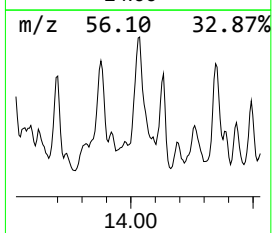
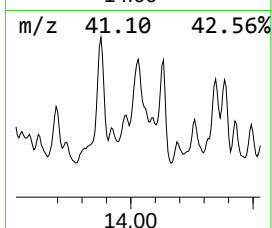
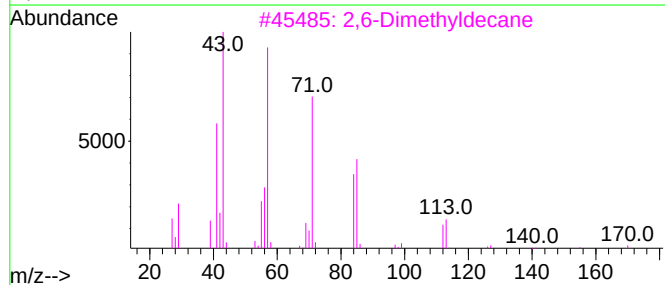
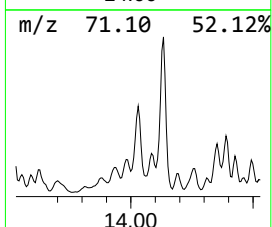
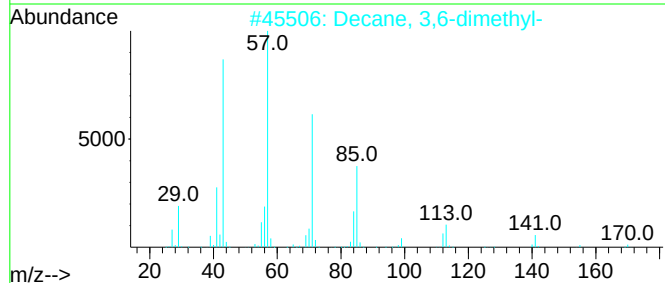
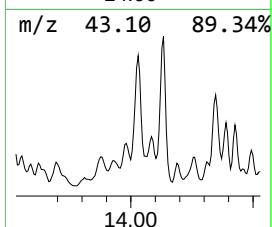
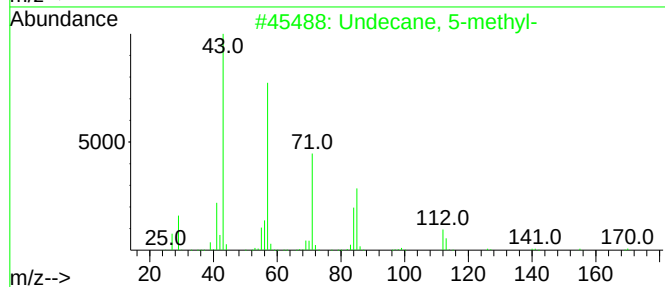
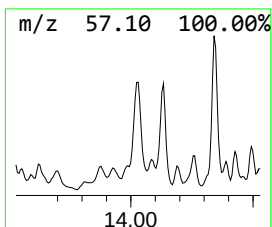
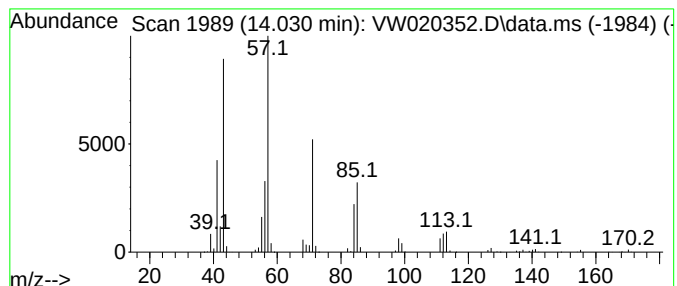
Instrument :
MSVOA_W
ClientSampleId :
EW908

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

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.030	17.59 ug/L	790376	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-		170	C12H26	001632-70-8	87
2	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	81
3	2,6-Dimethyldecane		170	C12H26	013150-81-7	74
4	Undecane, 5-methyl-		170	C12H26	001632-70-8	72
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

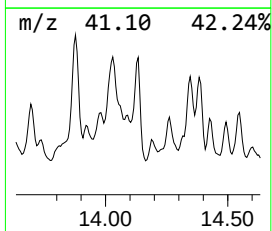
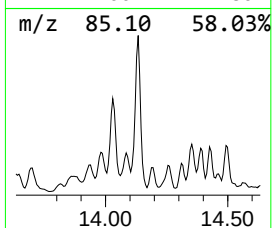
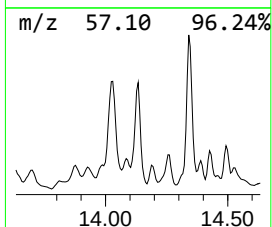
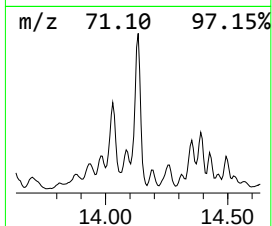
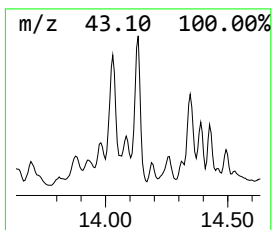
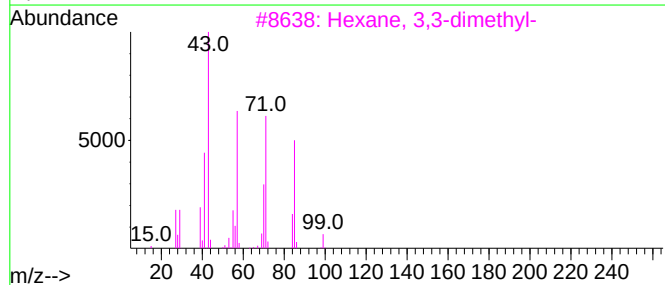
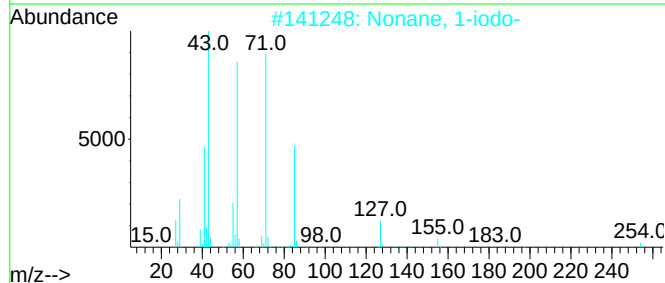
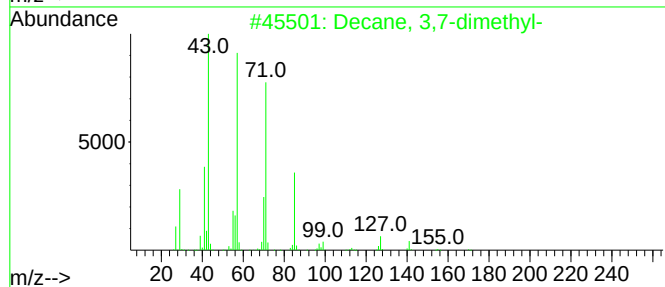
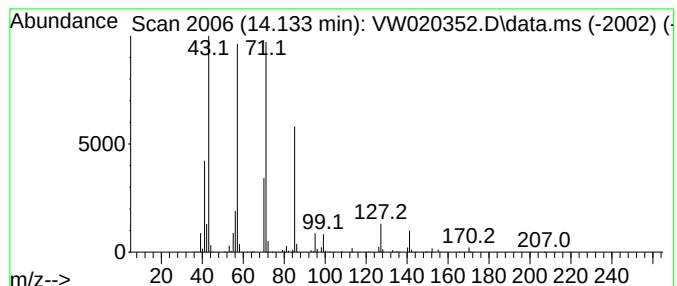
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	27.69 ug/L	1243630	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2			Nonane, 1-iodo-	254	C9H19I	004282-42-2	64
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	64
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

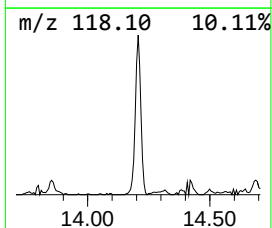
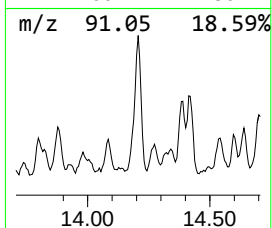
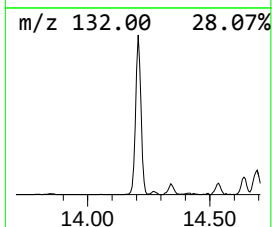
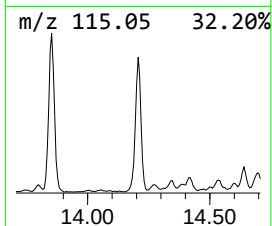
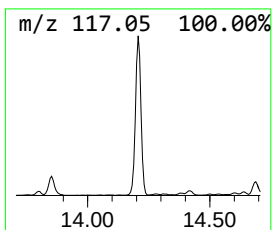
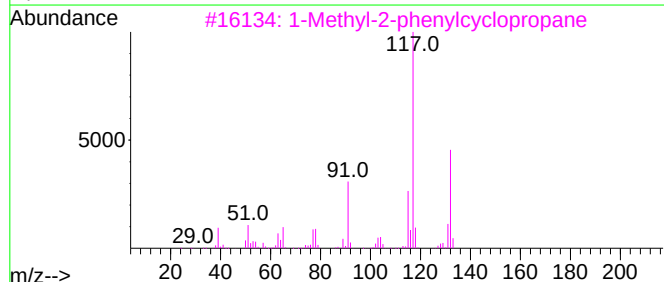
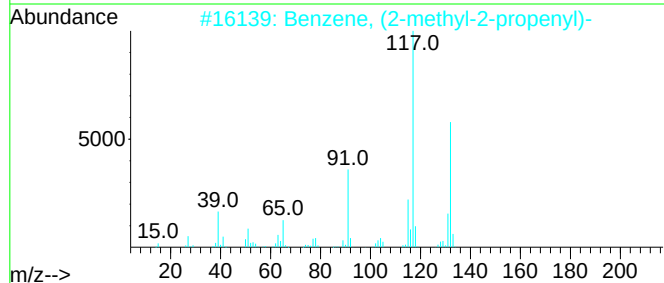
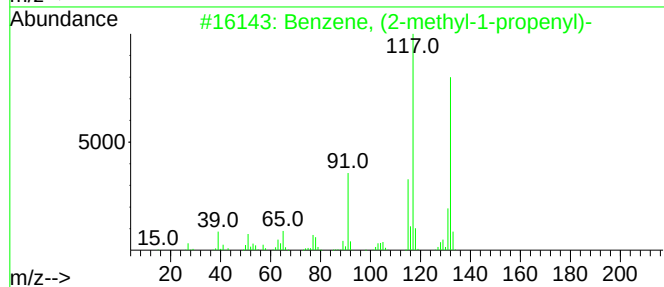
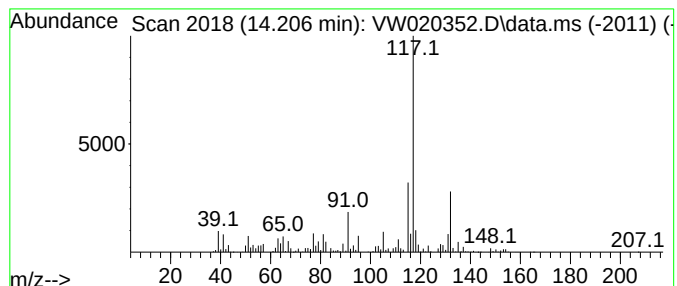
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Quant Title : SFAM01.0

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

Peak Number 55 Benzene, (2-methyl-1-propen... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	20.44 ug/L	917960	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

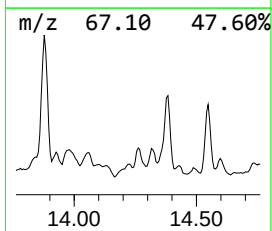
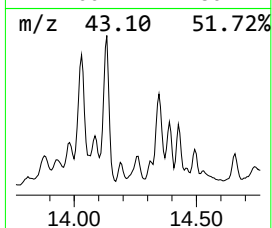
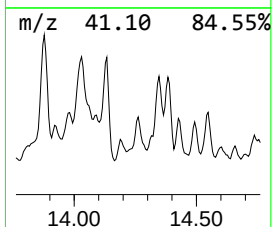
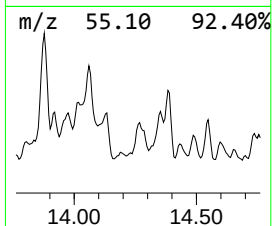
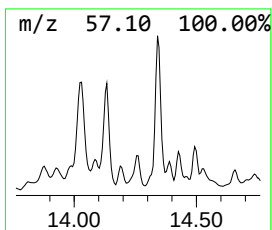
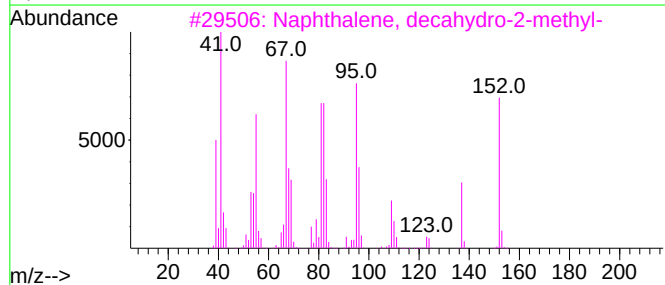
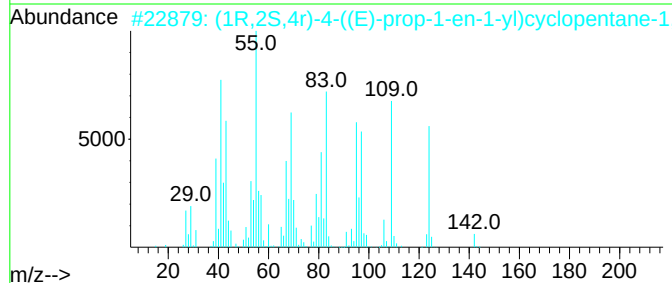
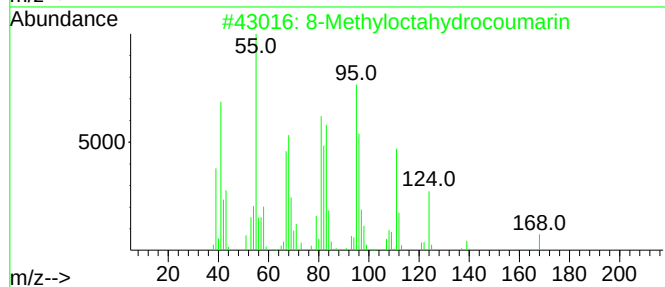
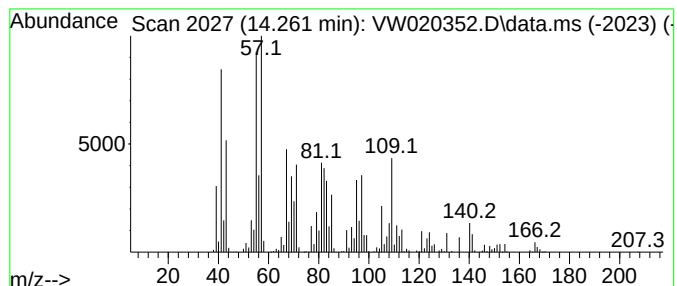
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Quant Title : SFAM01.0

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

Peak Number 56 unknown-06 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	16.93 ug/L	760300	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Methyloctahydrocoumarin	168	C10H16O2	021197-56-8	38
2			(1R,2S,4r)-4-((E)-prop-1-en-1-yl...	142	C8H14O2	1010481-89-9	38
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38
4			3-Nonen-1-ol, (E)-	142	C9H18O	010339-61-4	30
5			2-Nonenal, 8-oxo-	154	C9H14O2	077611-52-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

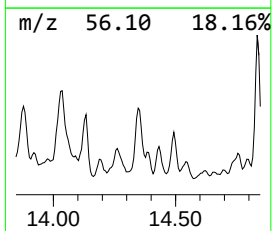
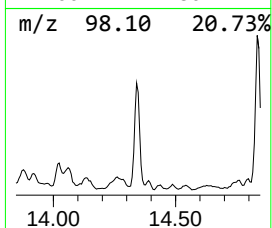
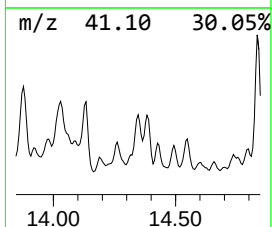
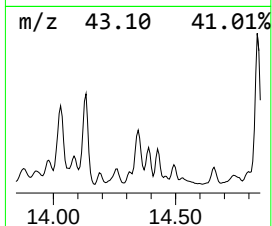
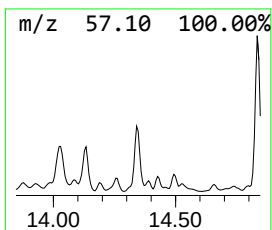
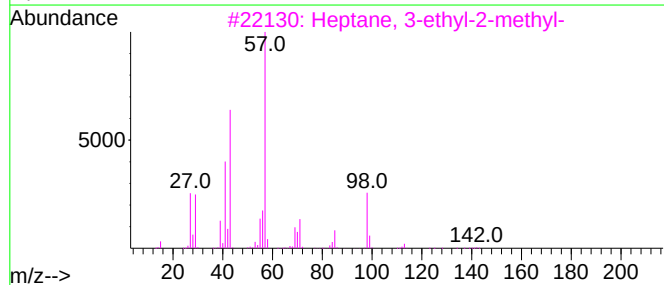
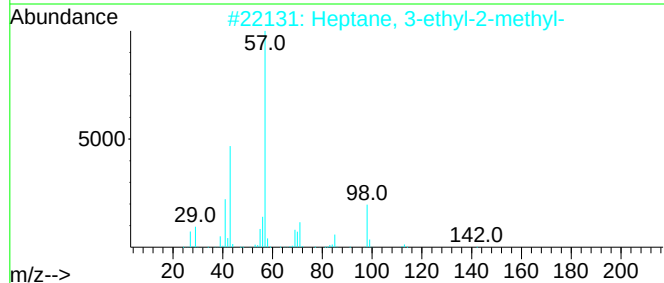
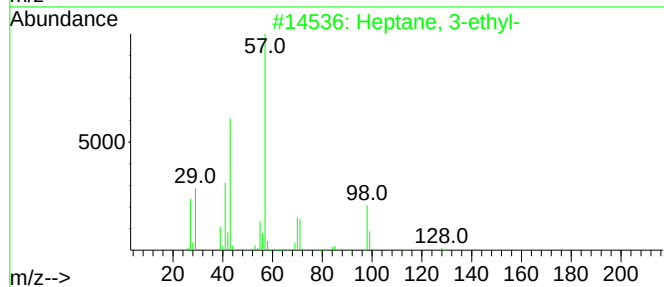
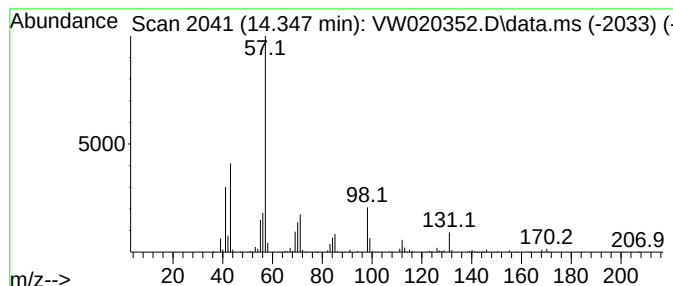
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Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.347	31.95 ug/L	1435190	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4		Undecane, 6-methyl-	170	C12H26	017302-33-9	58
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW908

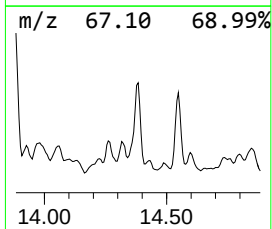
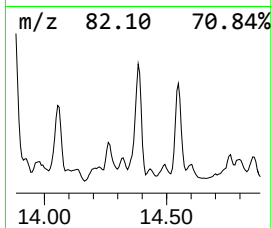
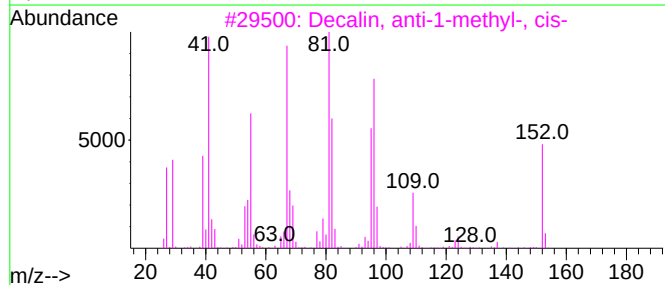
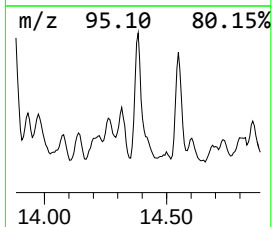
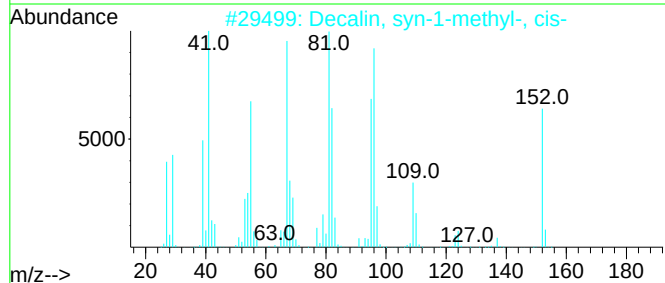
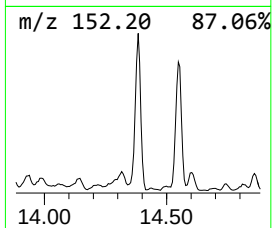
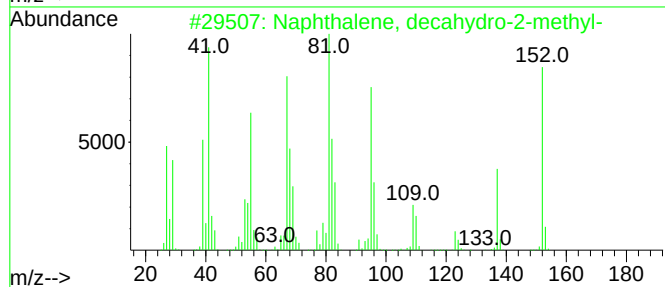
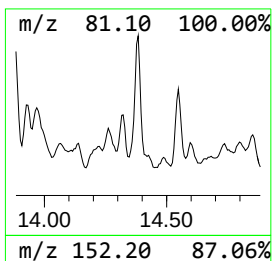
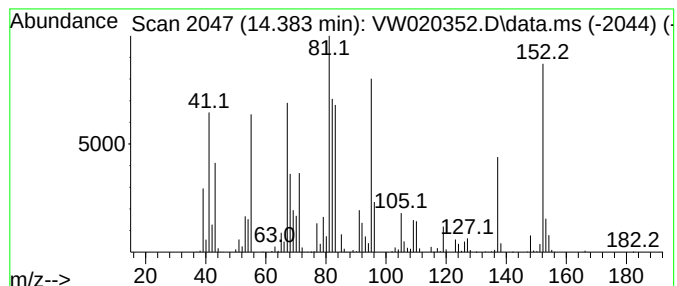
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Quant Title : SFAM01.0

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

Peak Number 58 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	28.00 ug/L	1257800	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	70
3			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	70
4			Furan, 2-hexyl-	152	C10H16O	003777-70-6	60
5			Furan, 2-hexyl-	152	C10H16O	003777-70-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
EW908

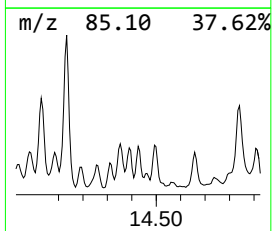
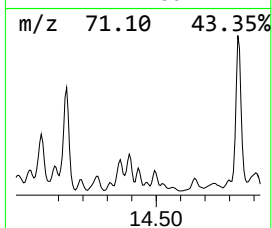
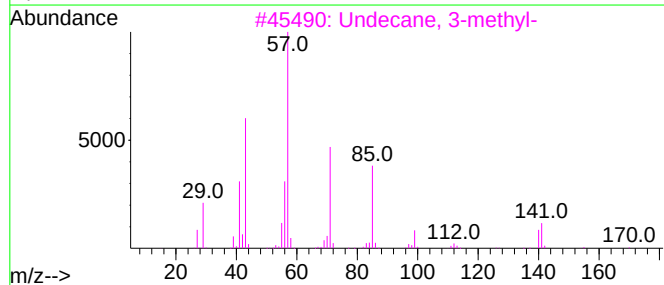
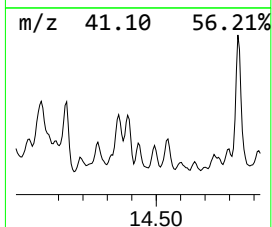
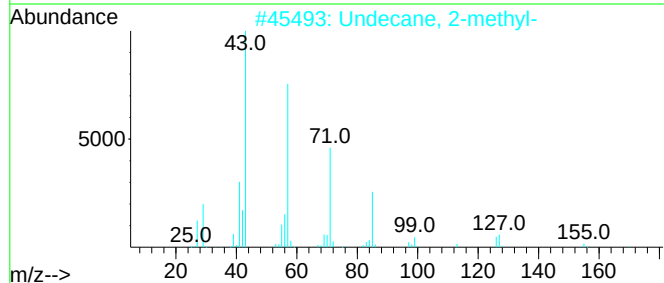
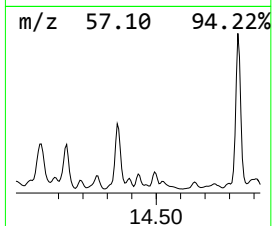
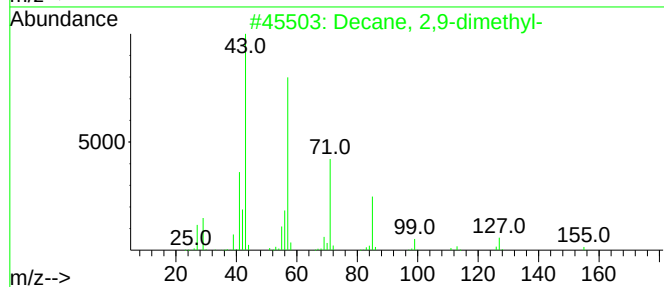
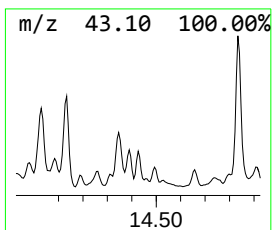
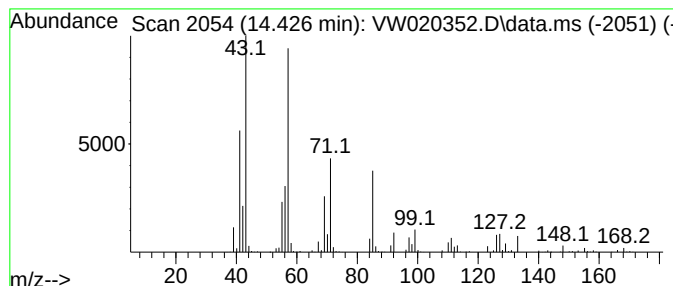
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Quant Title : SFAM01.0

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	10.54 ug/L	473637	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	58
4		Decane, 3-methyl-	156	C11H24	013151-34-3	58
5		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

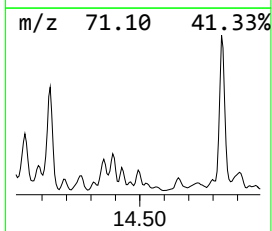
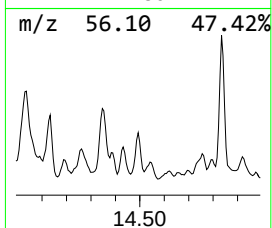
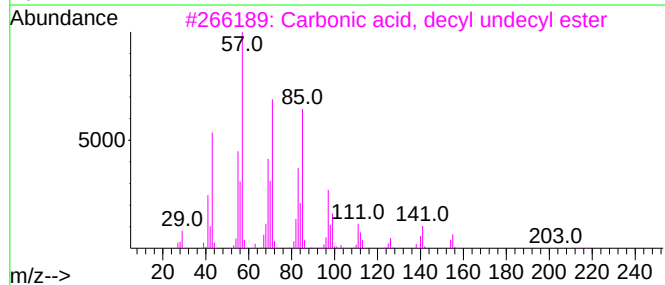
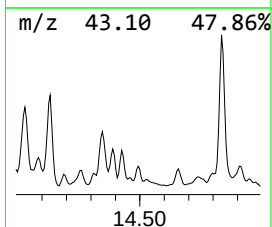
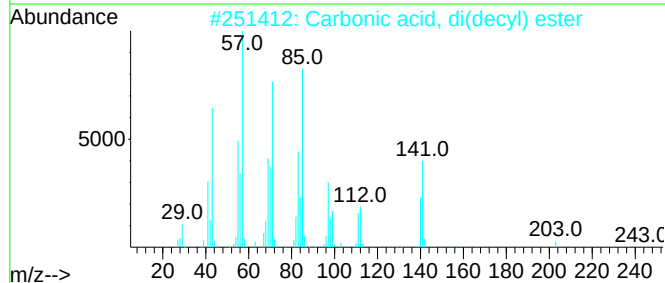
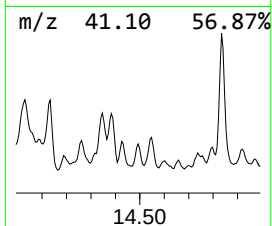
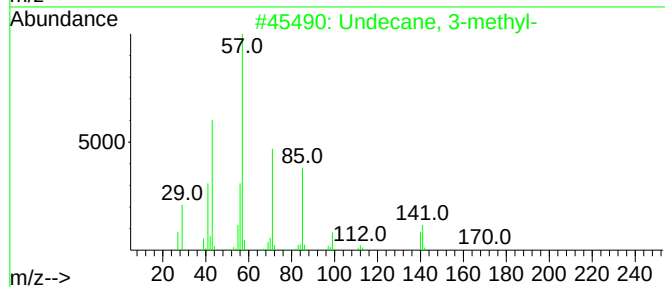
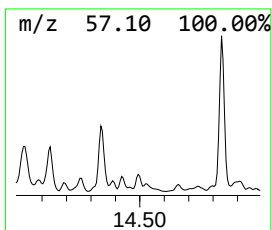
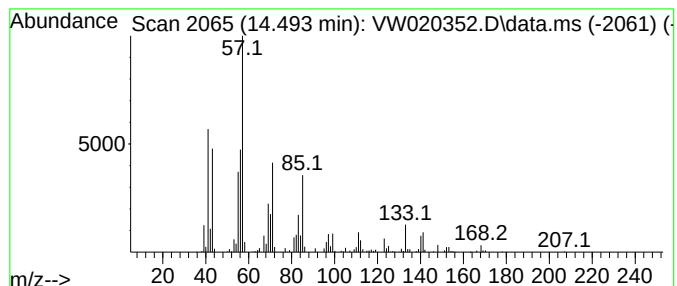
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 60 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.493	7.18 ug/L	322606	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	70
2	Carbonic acid, di(decyl) ester		342	C21H42O3	1000383-15-9	53
3	Carbonic acid, decyl undecyl ester		356	C22H44O3	1000383-16-0	53
4	Sulfurous acid, butyl decyl ester		278	C14H30O3S	1000309-17-7	50
5	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

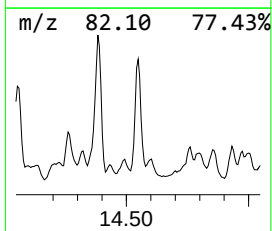
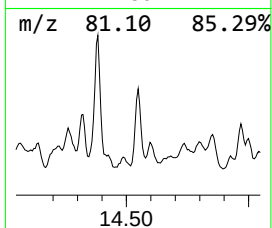
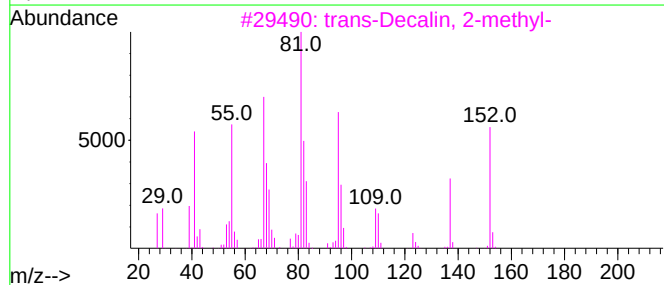
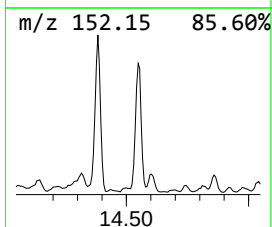
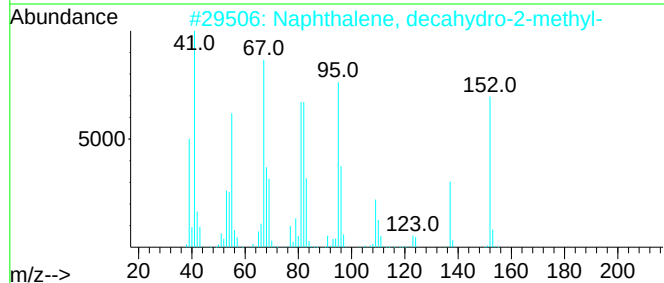
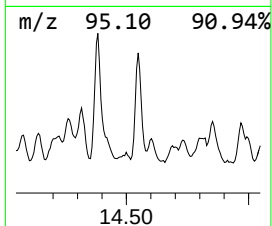
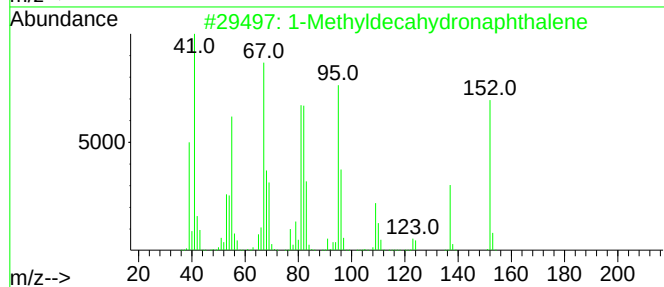
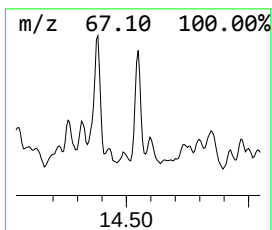
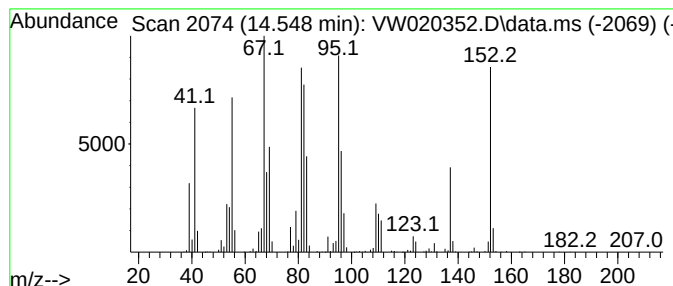
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Quant Title : SFAM01.0

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

Peak Number 61 1-Methyldecahydronaphthalene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	16.58 ug/L	744917	1,4-Dichlorobenzene-d4	13.560

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	97
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

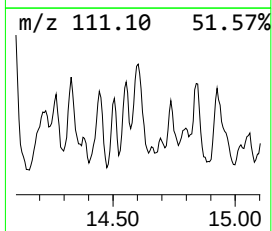
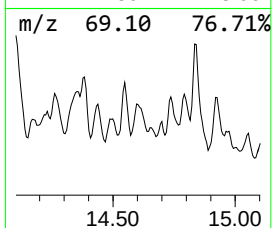
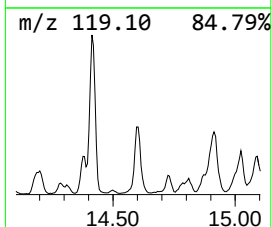
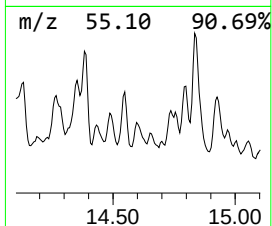
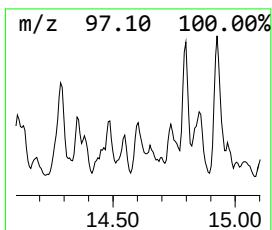
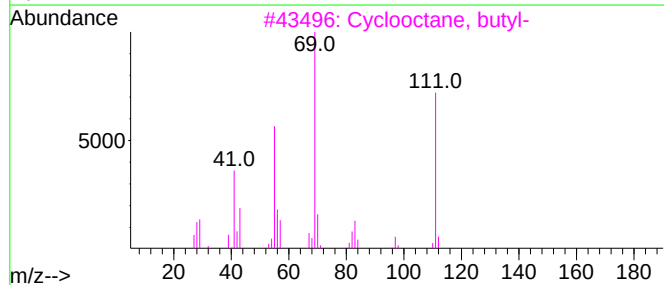
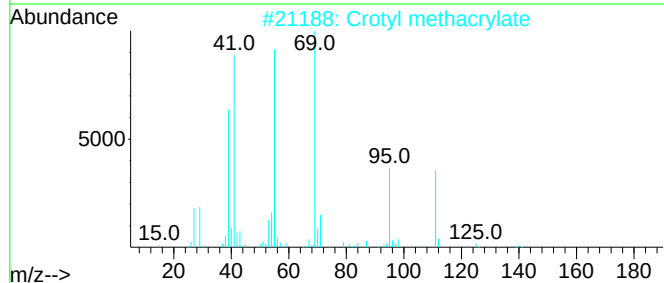
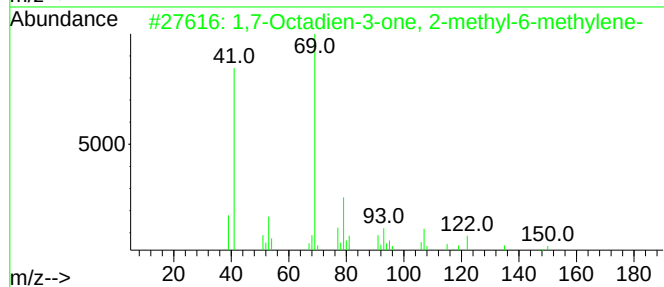
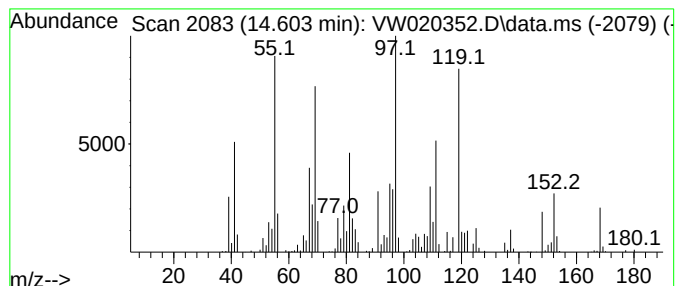
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 62 unknown-07 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.603	4.93 ug/L	221266	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Octadien-3-one, 2-methyl-6-m...	150	C10H14O	041702-60-7	15
2	Crotyl methacrylate	140	C8H12O2	007376-45-6	14
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	14
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	11
5	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

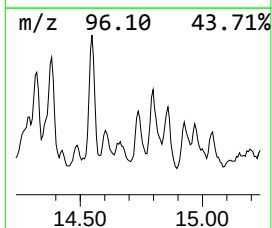
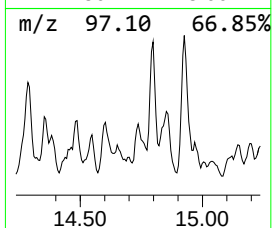
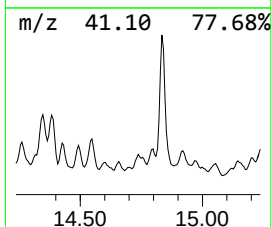
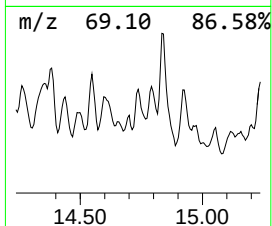
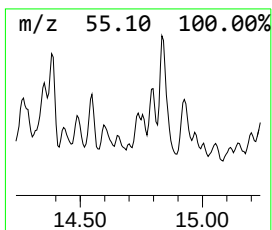
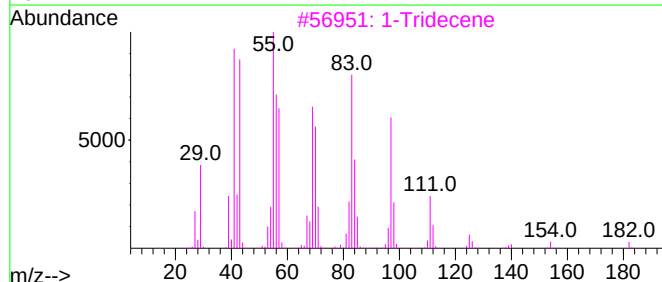
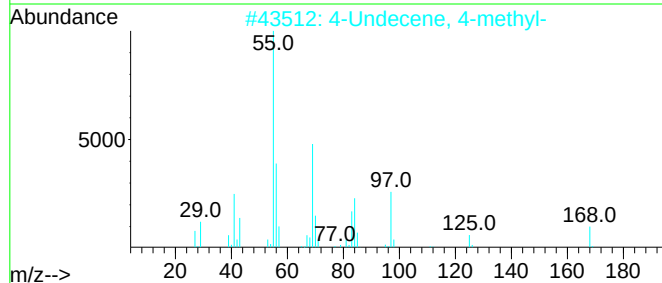
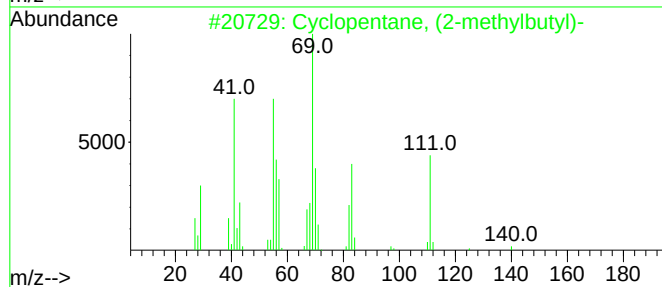
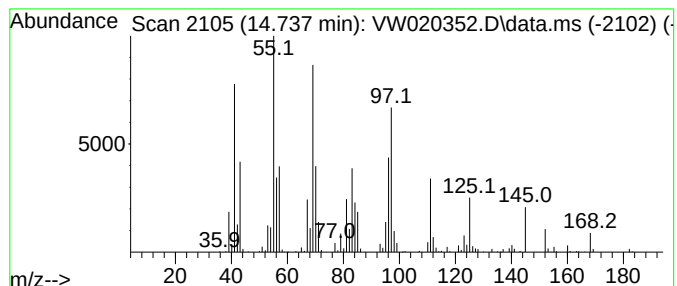
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Quant Title : SFAM01.0

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

Peak Number 63 (DEL) Alkane: Cyclic14.737 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	6.04 ug/L	271458	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49
2			4-Undecene, 4-methyl-	168	C12H24	061142-40-3	46
3			1-Tridecene	182	C13H26	002437-56-1	38
4			4-Dodecene, (E)-	168	C12H24	007206-15-7	38
5			4-Dodecene	168	C12H24	002030-84-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

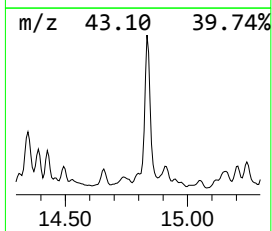
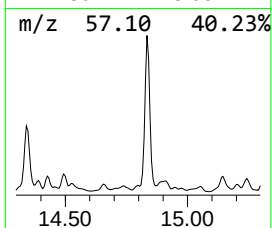
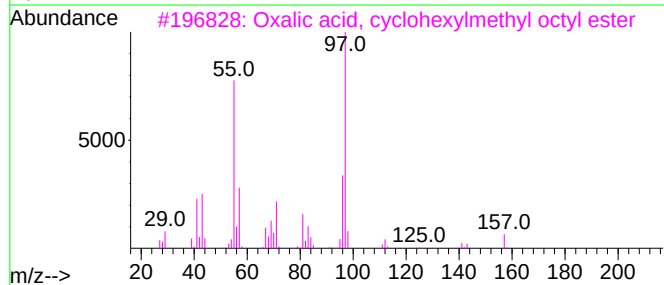
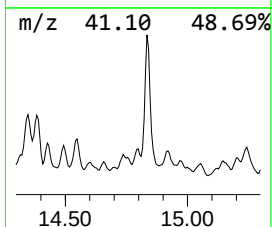
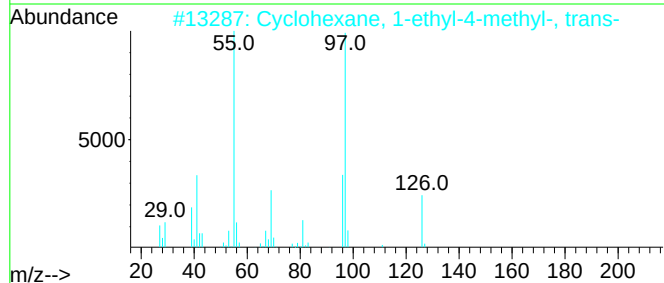
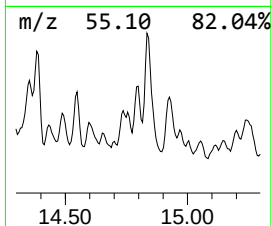
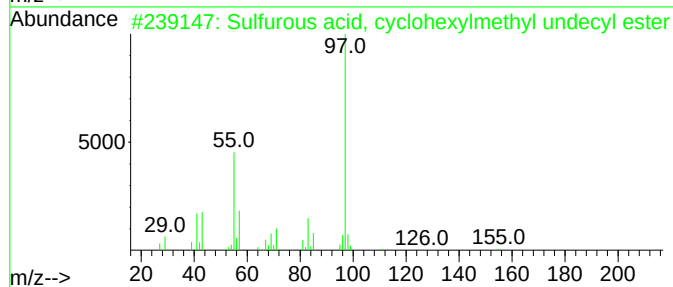
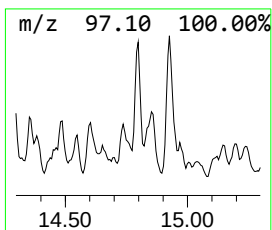
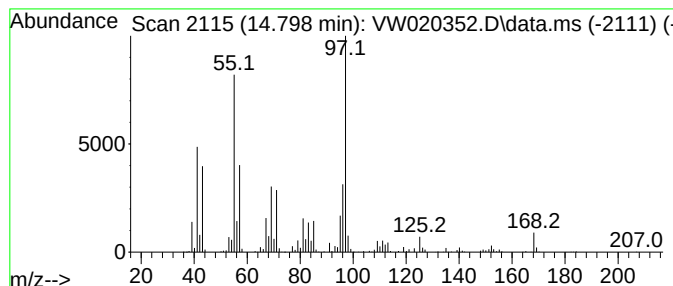
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Quant Title : SFAM01.0

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

Peak Number 64 Sulfurous acid, cyclohexylm... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	7.66 ug/L	344231	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	64
4			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	58
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

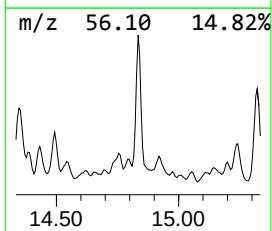
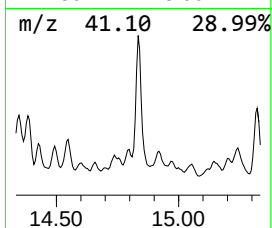
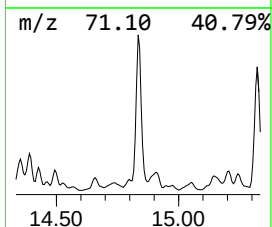
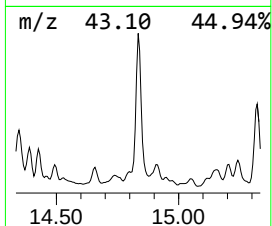
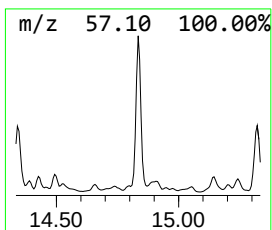
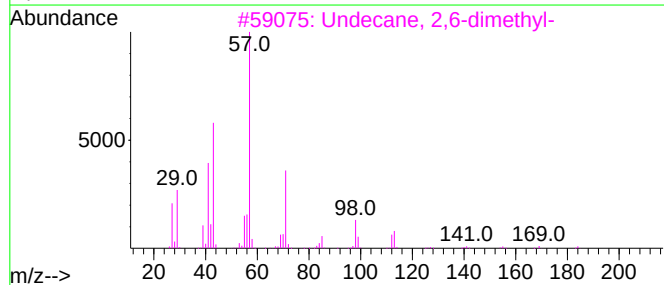
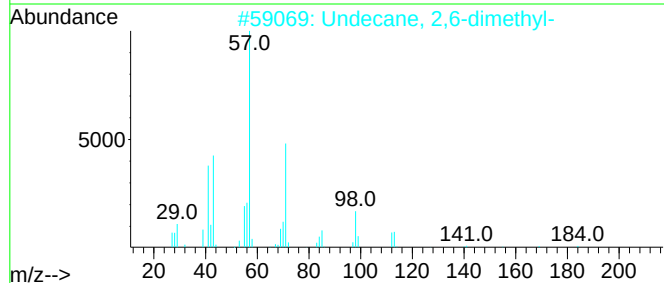
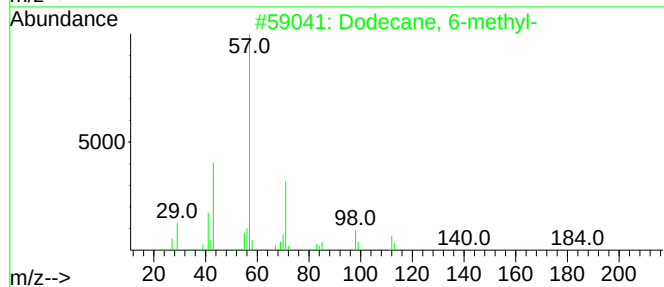
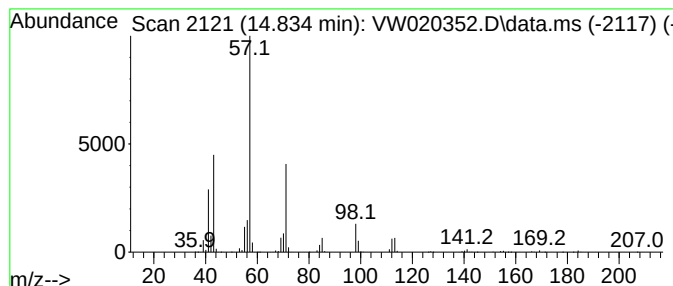
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Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.834	53.16 ug/L	2388170	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 6-methyl-	184	C13H28	006044-71-9	97
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
4			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	93
5			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

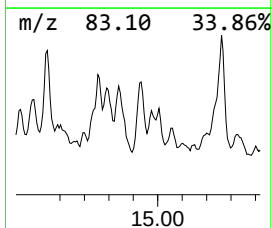
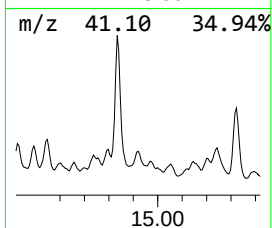
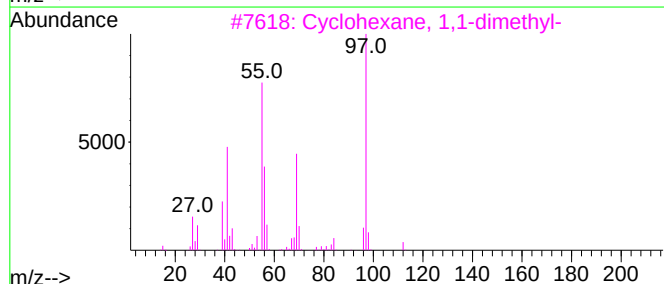
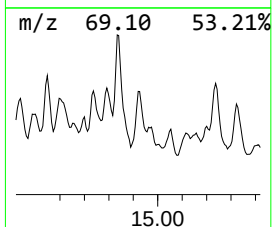
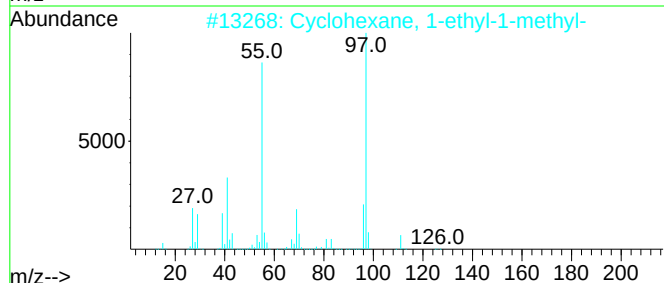
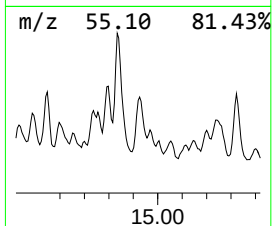
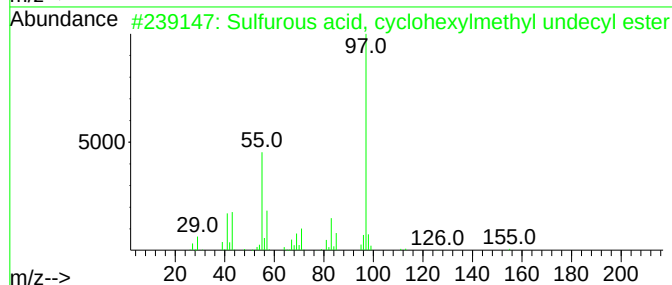
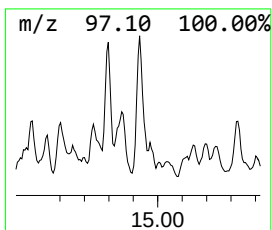
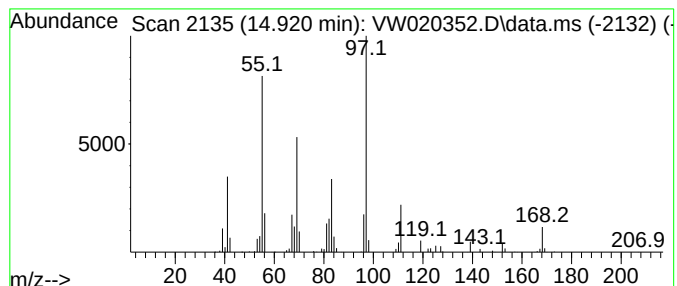
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Quant Title : SFAM01.0

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

Peak Number 66 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.920	5.84 ug/L	262466	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	53
2			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	47
4			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	47
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

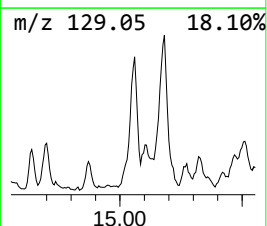
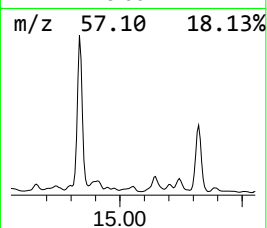
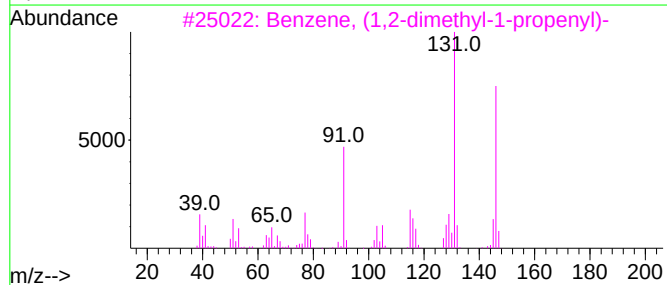
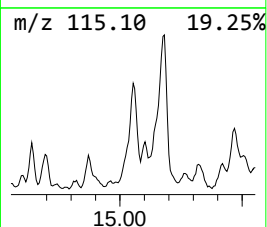
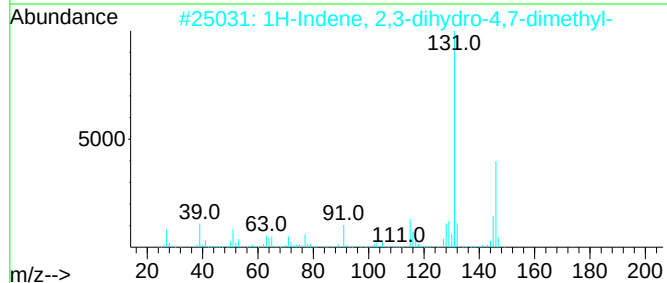
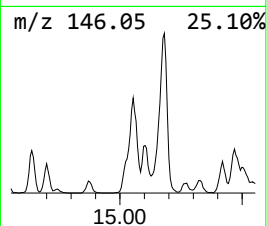
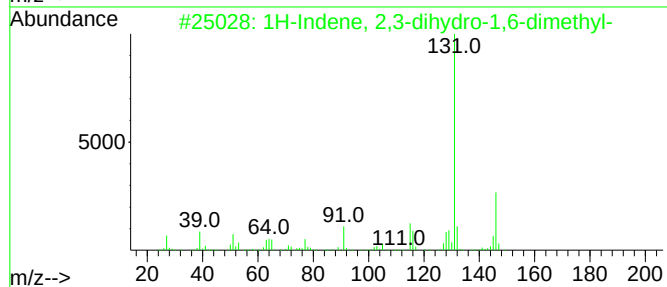
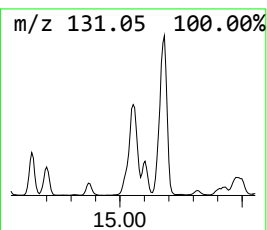
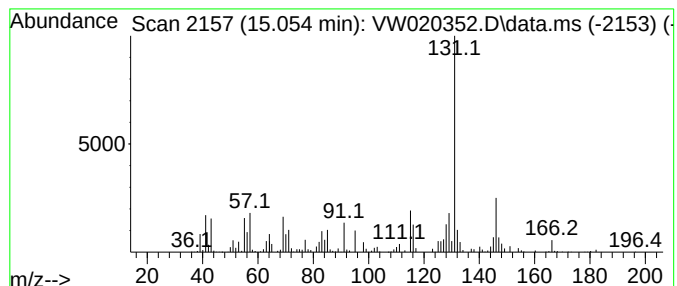
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Quant Title : SFAM01.0

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

Peak Number 67 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.054	11.71 ug/L	526013	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
4			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

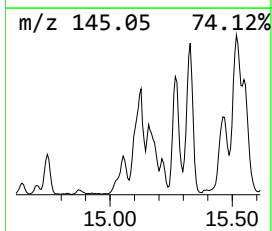
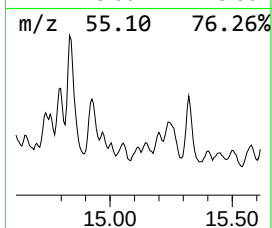
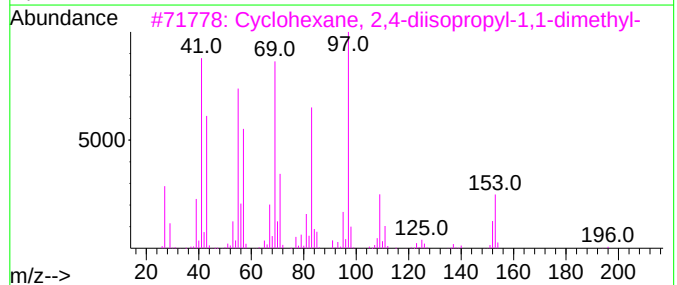
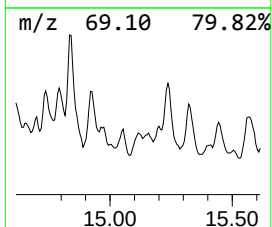
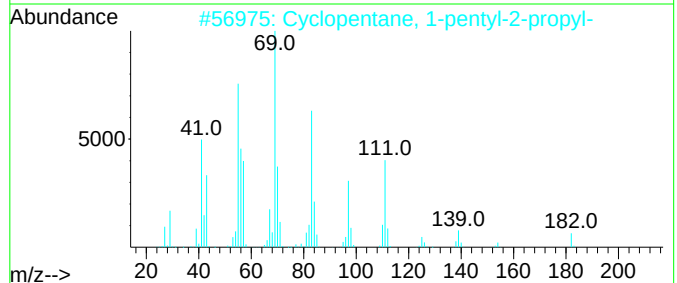
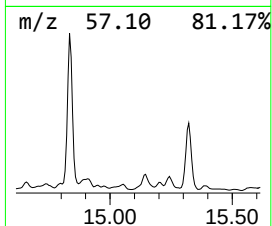
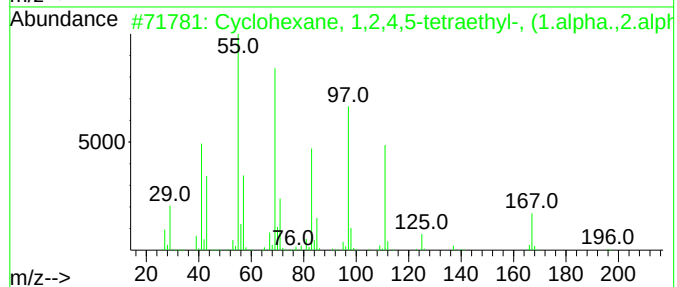
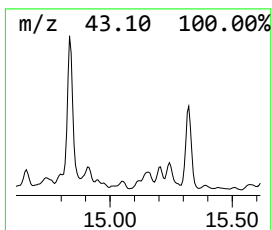
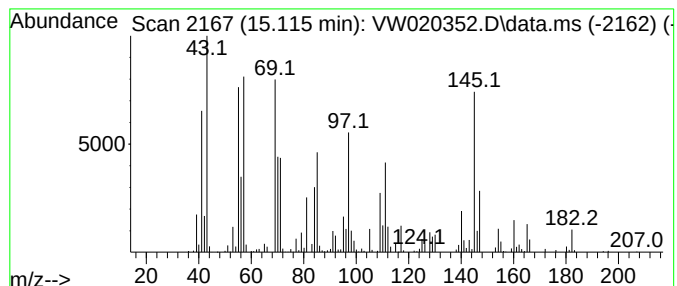
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 68 (DEL) Alkane: Cyclic15.115 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.115	4.83 ug/L	216792	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4,5-tetraethyl-...		196	C14H28	061142-24-3	38
2	Cyclopentane, 1-pentyl-2-propyl-		182	C13H26	062199-51-3	38
3	Cyclohexane, 2,4-diisopropyl-1,1...		196	C14H28	1000149-60-5	30
4	Succinic acid, dodec-2-en-1-yl 3...		378	C22H31FO4	1010390-34-0	30
5	Benzene, 1-(1-methylethenyl)-3-(...		160	C12H16	001129-29-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

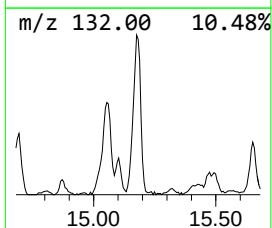
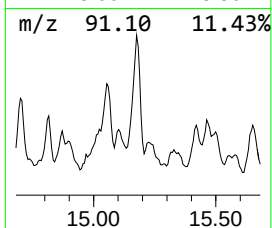
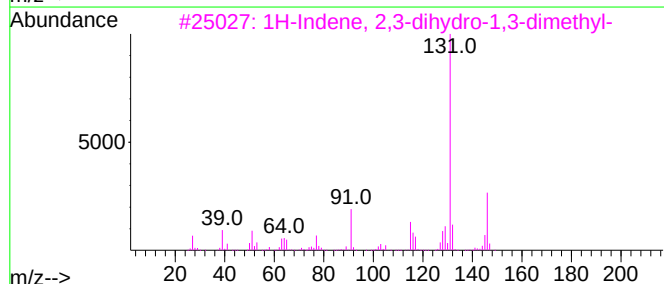
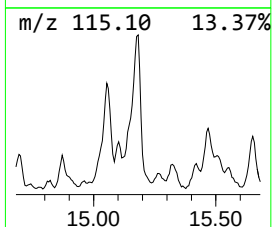
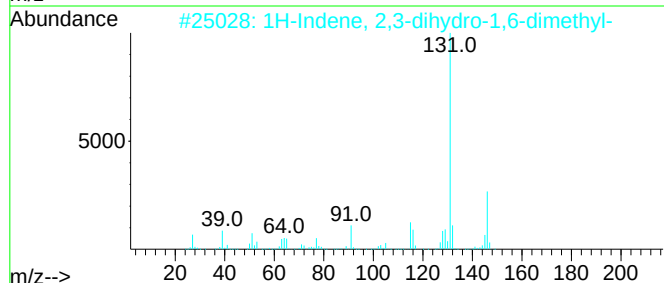
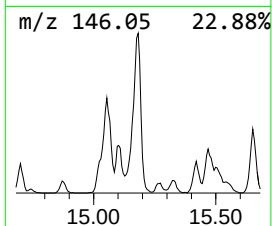
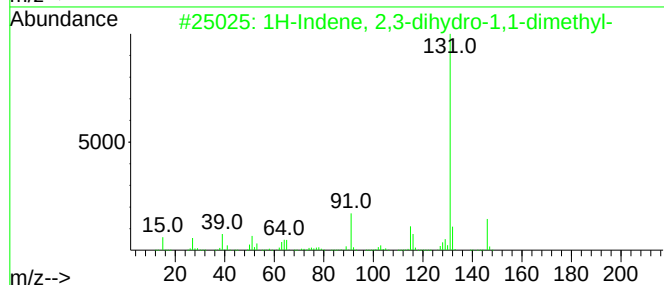
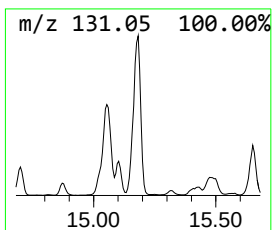
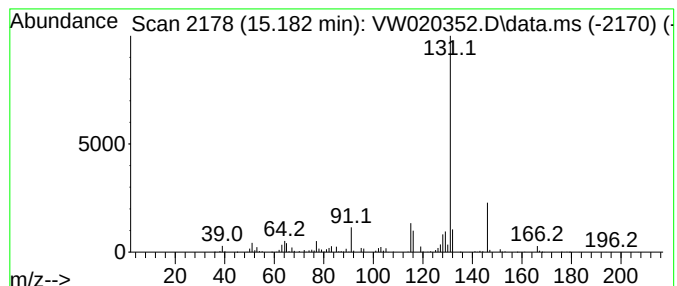
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Quant Title : SFAM01.0

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

Peak Number 69 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	27.19 ug/L	1221350	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

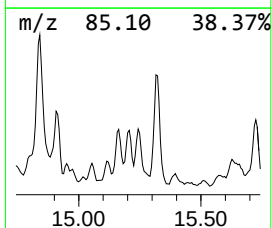
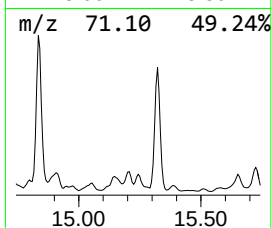
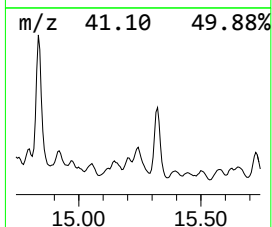
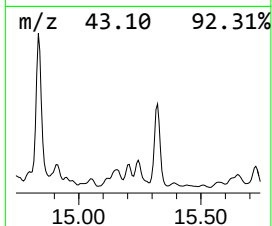
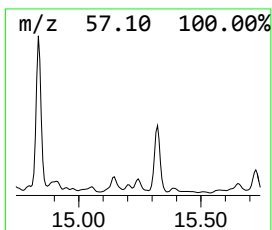
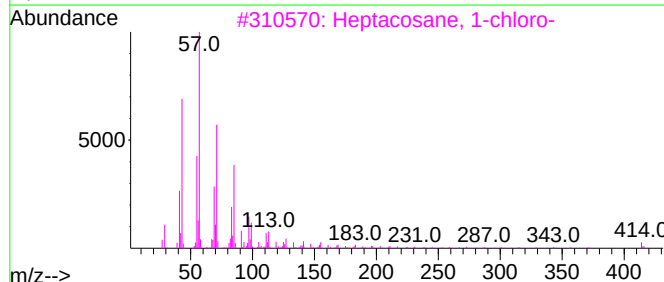
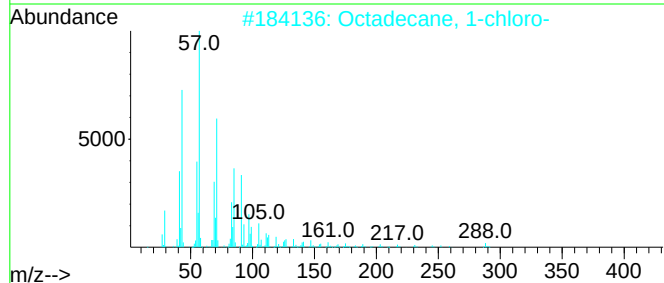
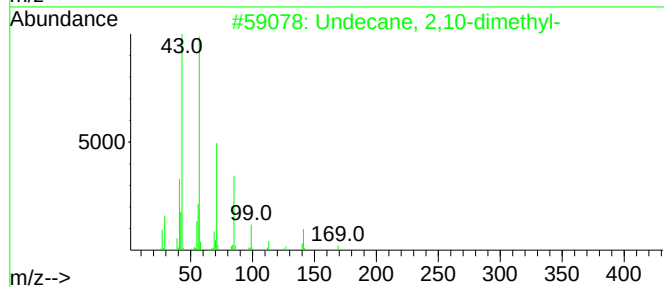
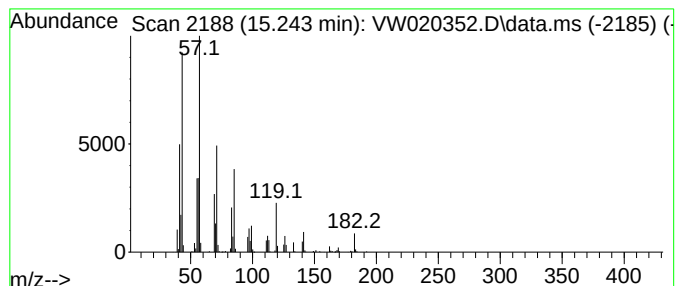
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Quant Title : SFAM01.0

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

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	13.67 ug/L	614166	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	92
2			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	72
3			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	68
4			Hentriacontane	437	C31H64	000630-04-6	64
5			10-Methylnonadecane	282	C20H42	056862-62-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

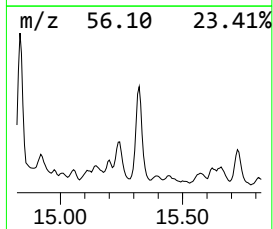
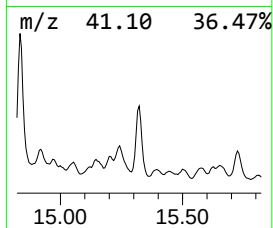
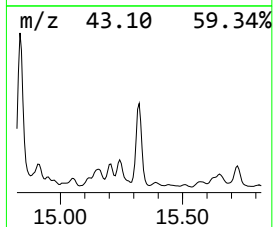
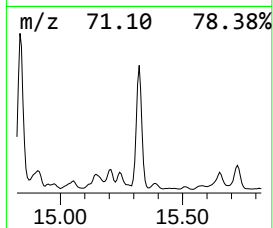
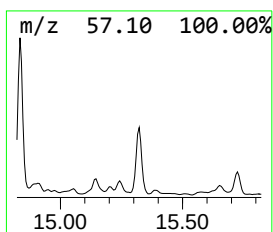
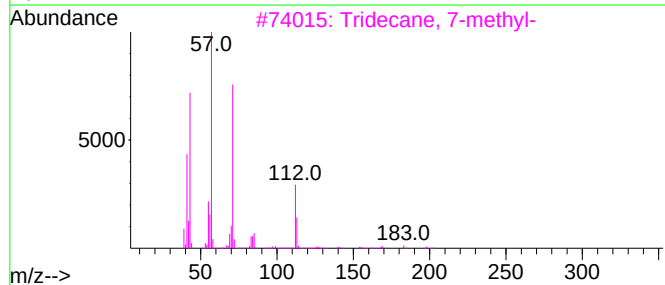
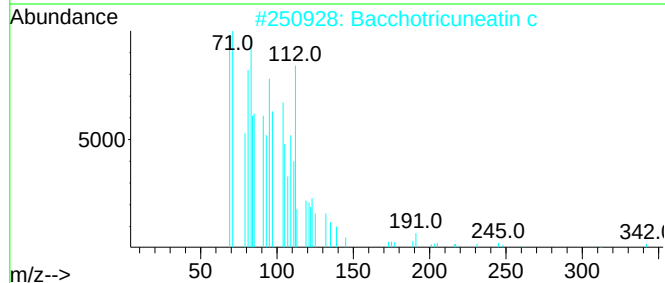
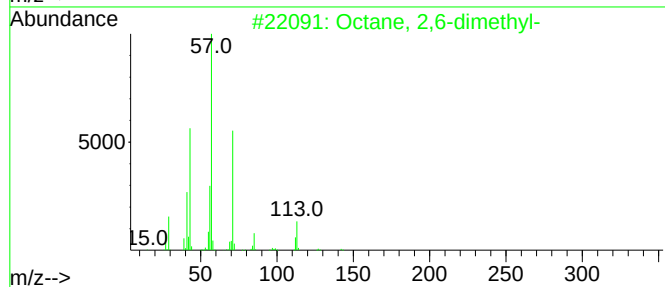
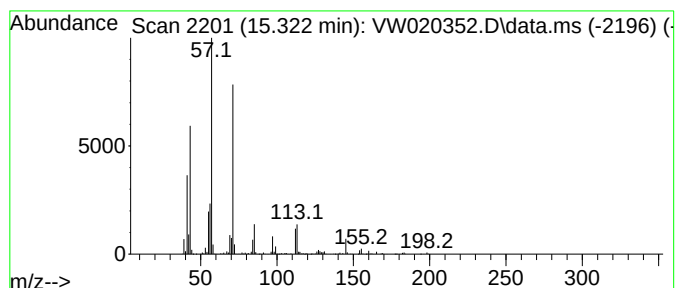
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 71 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.322	32.25 ug/L	1448660	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	78
2	Bacchotricuneatin c		342	C20H22O5	066563-30-2	72
3	Tridecane, 7-methyl-		198	C14H30	026730-14-3	68
4	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	64
5	Undecane, 4,5-dimethyl-		184	C13H28	017312-79-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

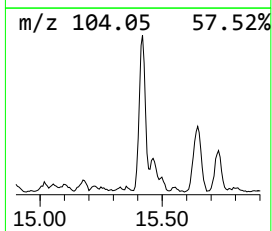
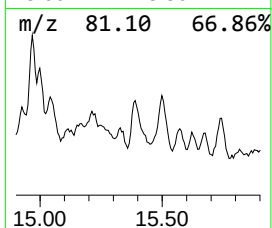
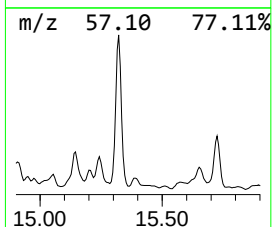
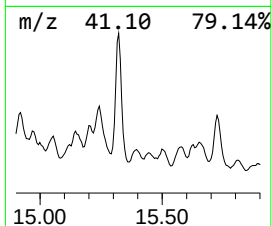
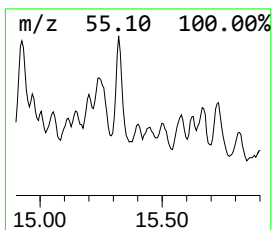
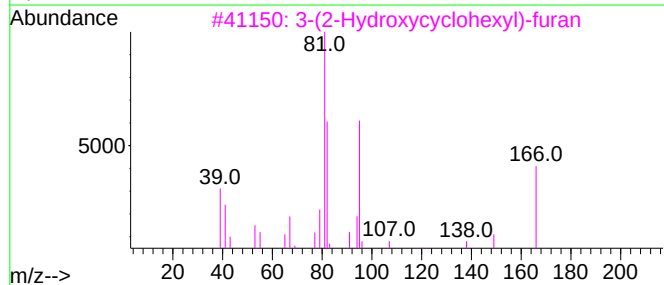
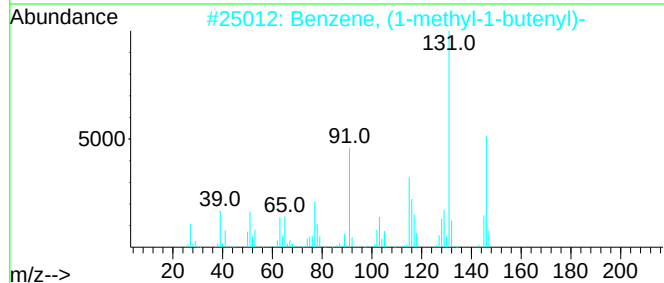
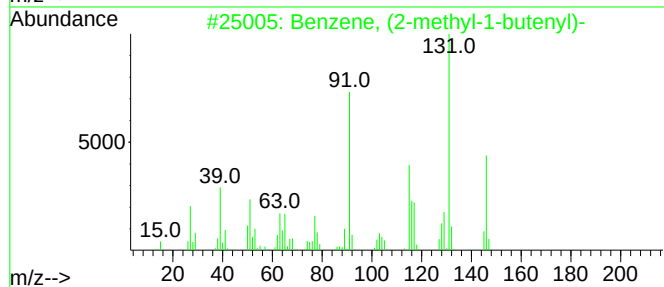
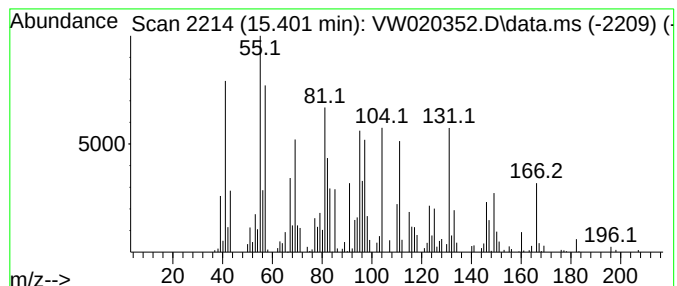
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 72 Benzene, (2-methyl-1-butenyl)- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.401	4.95 ug/L	222443	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-		146	C11H14	056253-64-6	56
2	Benzene, (1-methyl-1-butenyl)-		146	C11H14	053172-84-2	25
3	3-(2-Hydroxycyclohexyl)-furan		166	C10H14O2	118959-04-9	25
4	Benzene, (1,1-dimethyl-2-propenyl)-		146	C11H14	018321-36-3	25
5	Naphthalene, 2-ethyl-1,2,3,4-tet...		160	C12H16	032367-54-7	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

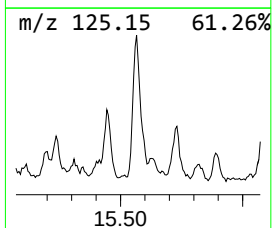
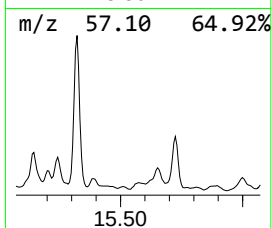
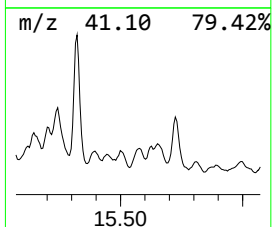
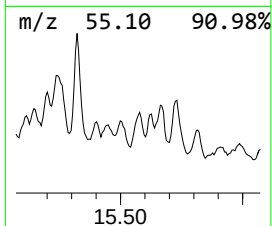
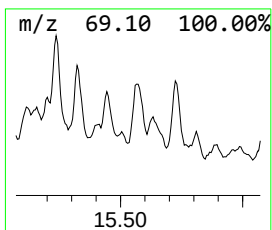
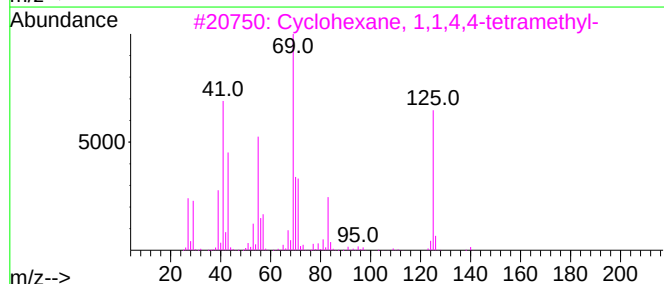
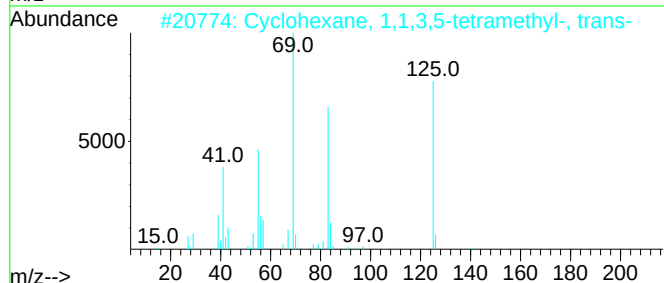
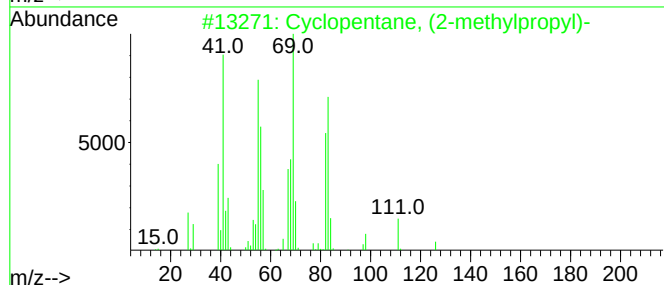
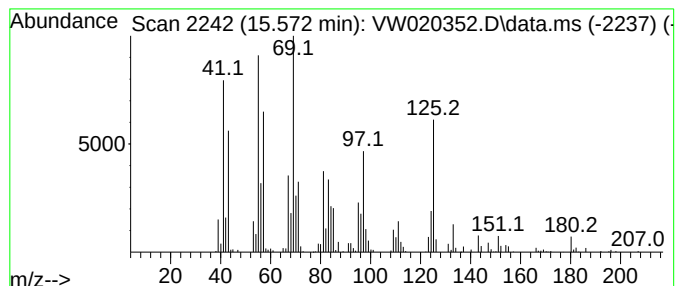
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Quant Title : SFAM01.0

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

Peak Number 73 (DEL) Alkane: Cyclic15.572 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.572	5.50 ug/L	247179	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	42
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30
5			2,6-Octadienal, 3,7-dimethyl-, (E)-	152	C10H16O	000141-27-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

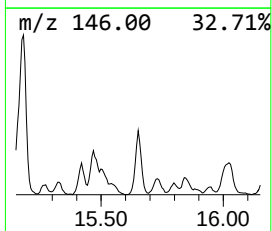
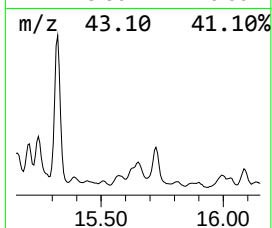
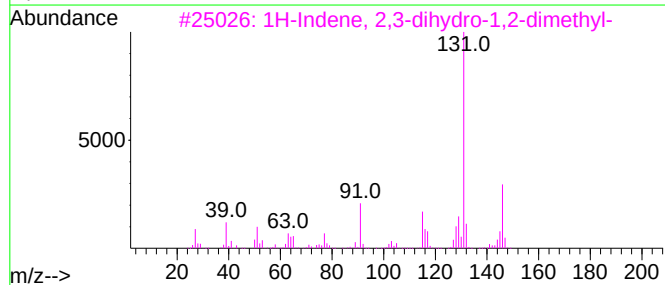
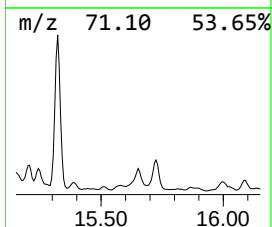
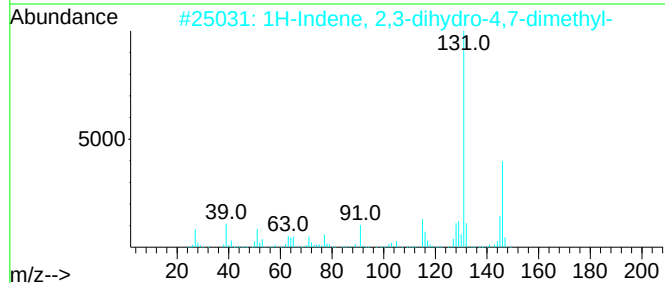
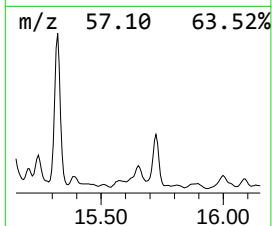
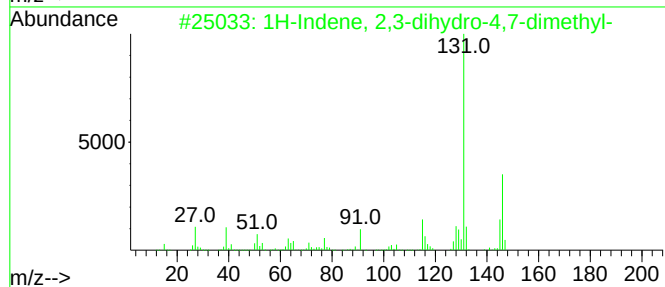
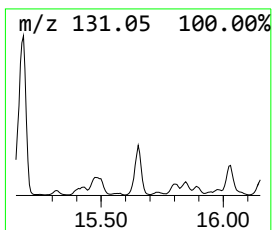
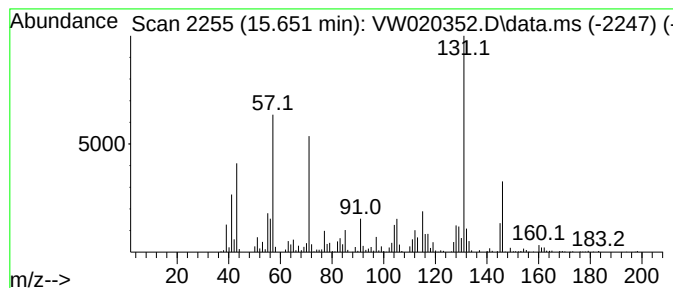
Instrument :
MSVOA_W
ClientSampleId :
EW908

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 74 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.651	14.69 ug/L	659832	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	92
2	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...		146	C11H14	017057-82-8	83
4	Bicyclo[4.2.0]octa-1,3,5-triene,...		146	C11H14	027087-54-3	70
5	Benzene, 1-methyl-4-(1-methyl-2-...		146	C11H14	097664-18-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

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

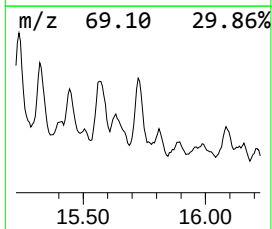
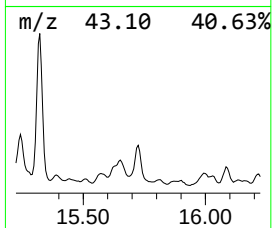
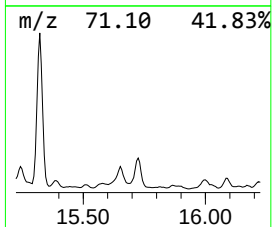
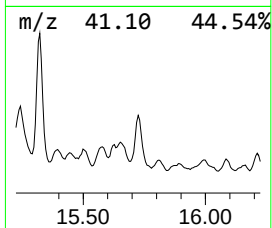
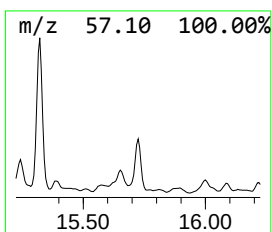
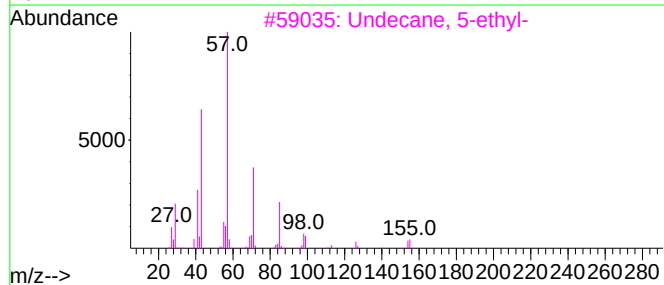
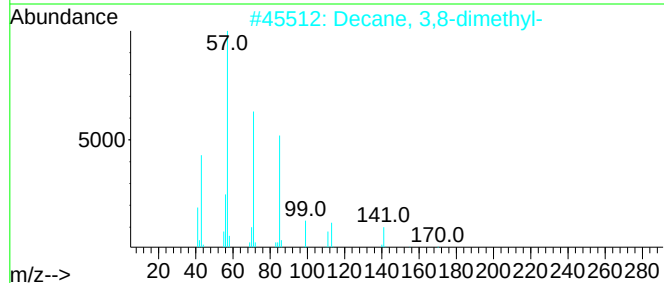
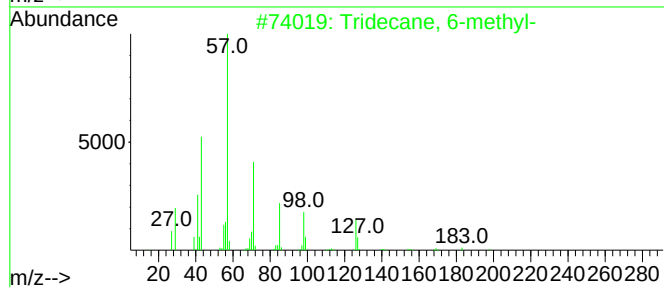
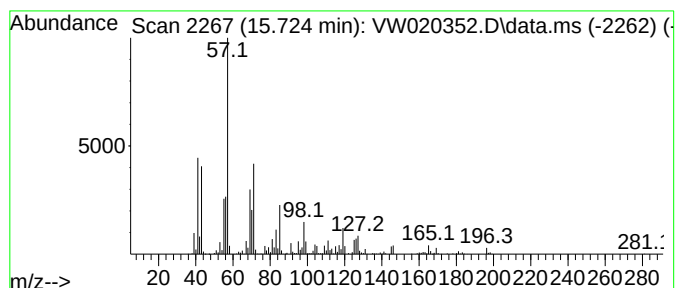
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	15.00 ug/L	673962	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
3			Undecane, 5-ethyl-	184	C13H28	017453-94-0	50
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
5			Undecane, 3-methyl-	170	C12H26	001002-43-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

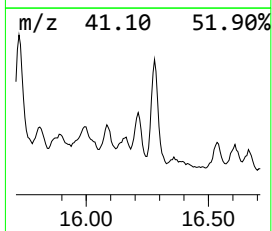
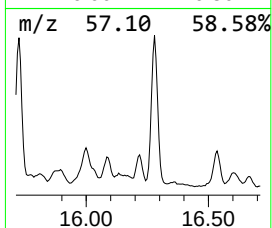
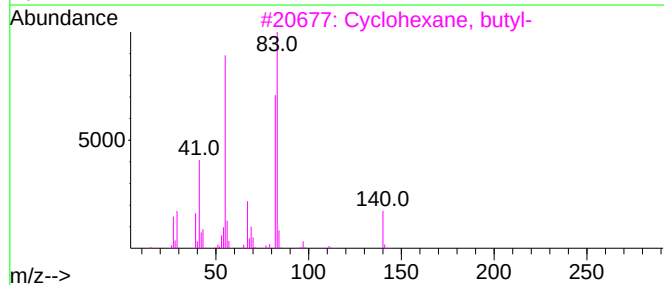
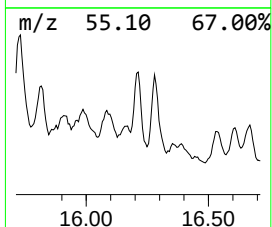
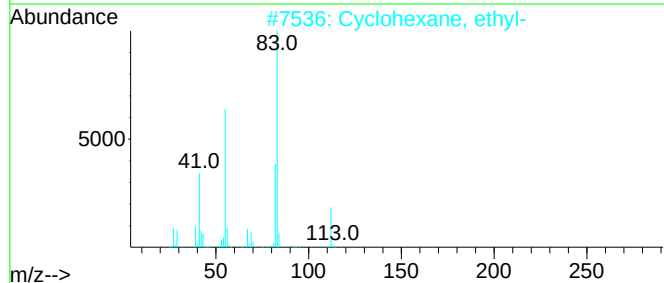
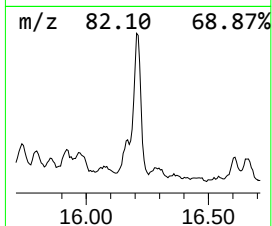
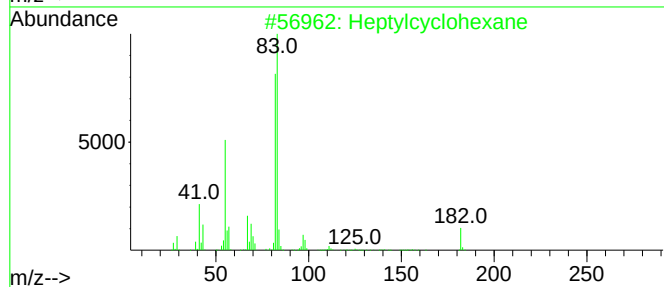
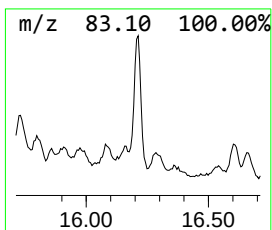
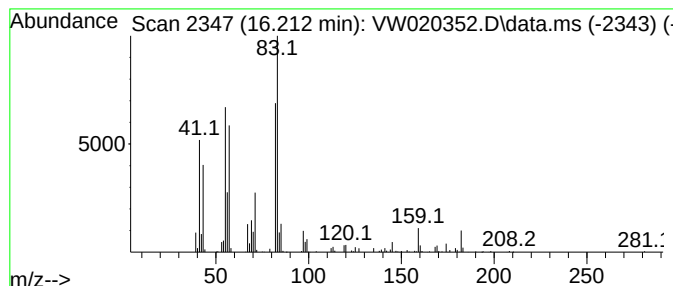
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Quant Title : SFAM01.0

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

Peak Number 76 (DEL) Alkane: Cyclic16.212 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.212	5.18 ug/L	232760	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	62
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5			n-Pentadecylcyclohexane	294	C21H42	006006-95-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

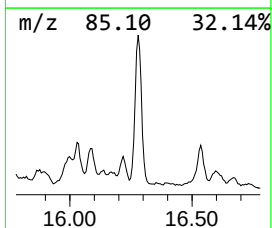
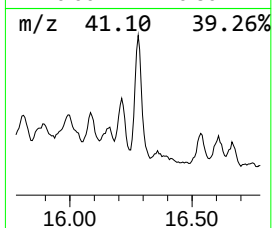
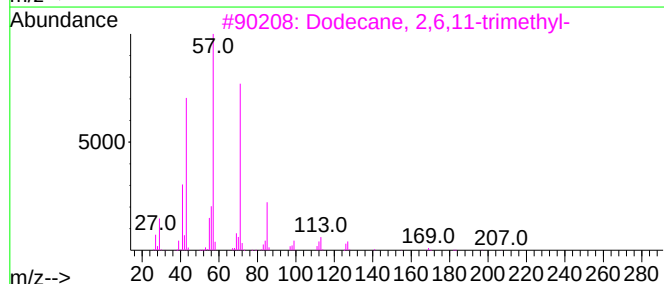
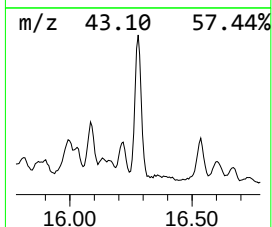
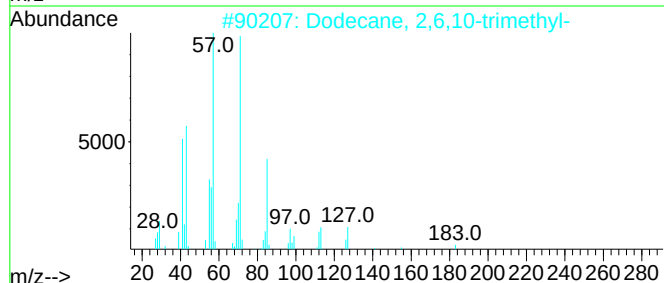
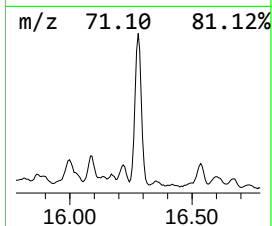
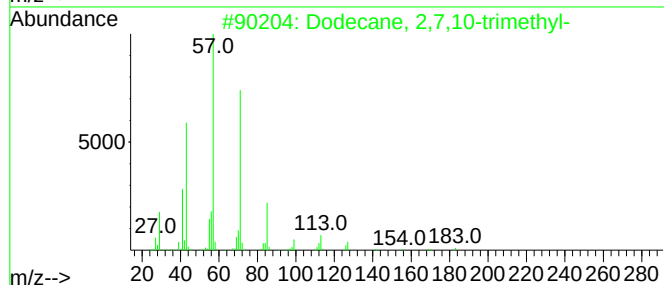
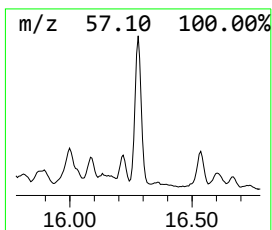
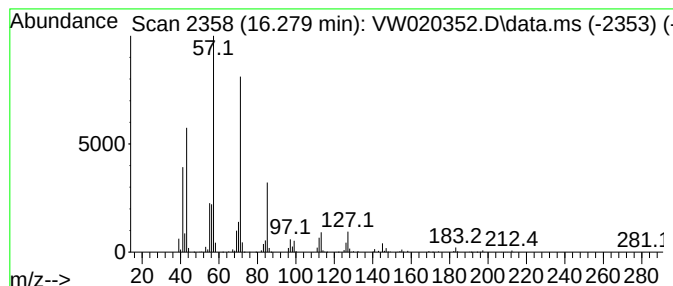
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Quant Title : SFAM01.0

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

Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	12.79 ug/L	574635	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020352.D
Acq On : 07 Oct 2021 07:27
Operator : SY/VA
Sample : M4000-15
Misc : 7.39g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW908

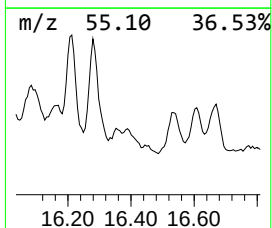
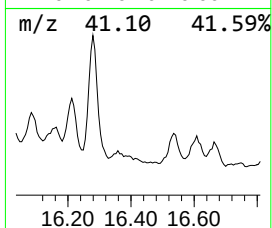
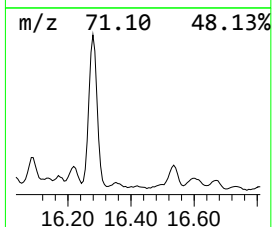
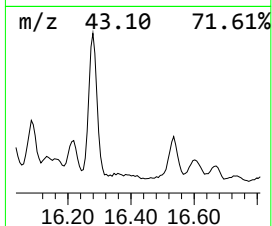
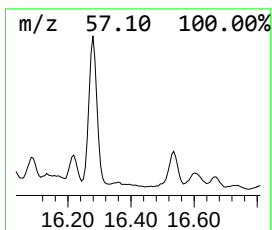
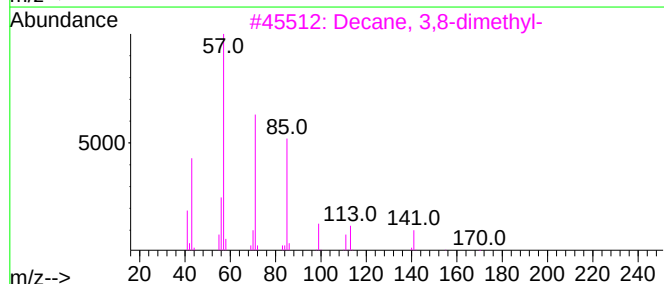
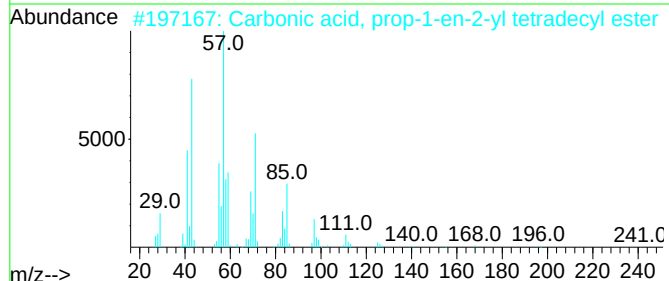
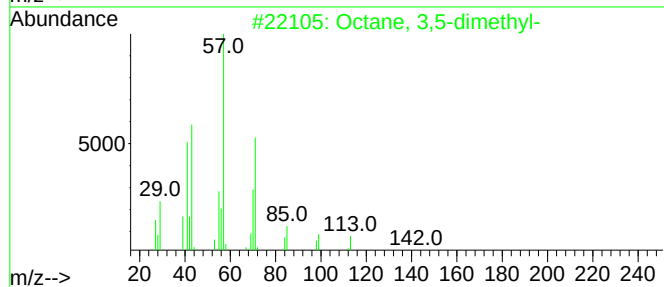
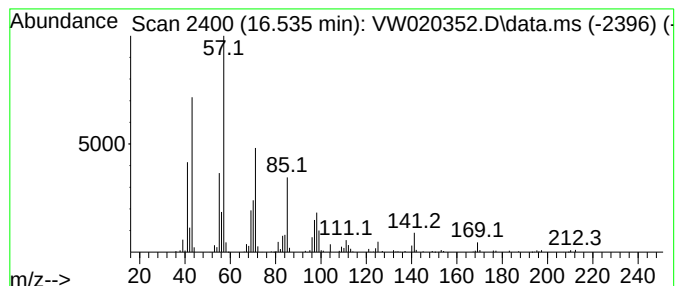
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.535	2.65 ug/L	119204	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	70
2			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	64
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	62
4			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	62
5			Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020352.D
 Acq On : 07 Oct 2021 07:27
 Operator : SY/VA
 Sample : M4000-15
 Misc : 7.39g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW908

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...	8.037	2.9	ug/L	99226	1	8.848	868531	25.0
Pyrrolidine	8.427	2.0	ug/L	68587	1	8.848	868531	25.0
(DEL) Alkane: S...	9.384	8.3	ug/L	288686	1	8.848	868531	25.0
(DEL) Alkane: C...	9.610	19.6	ug/L	682797	1	8.848	868531	25.0
(DEL) Alkane: C...	9.750	18.7	ug/L	651204	1	8.848	868531	25.0
(DEL) Alkane: S...	9.896	2.4	ug/L	82606	1	8.848	868531	25.0
(DEL) Alkane: S...	9.945	6.3	ug/L	219451	1	8.848	868531	25.0
(DEL) Alkane: S...	10.079	8.9	ug/L	311028	1	8.848	868531	25.0
(DEL) Alkane: C...	10.213	7.3	ug/L	253827	1	8.848	868531	25.0
(DEL) Alkane: C...	10.250	4.2	ug/L	160560	2	11.634	947120	25.0
(DEL) Alkane: C...	10.506	11.4	ug/L	432159	2	11.634	947120	25.0
(DEL) Alkane: C...	10.664	21.7	ug/L	822498	2	11.634	947120	25.0
(DEL) Alkane: C...	10.762	14.8	ug/L	561136	2	11.634	947120	25.0
Oxalic acid, is...	10.847	8.9	ug/L	338829	2	11.634	947120	25.0
(DEL) Alkane: S...	11.036	45.2	ug/L	1712000	2	11.634	947120	25.0
(DEL) Alkane: C...	11.116	7.1	ug/L	270402	2	11.634	947120	25.0
unknown-01	11.146	3.8	ug/L	143714	2	11.634	947120	25.0
(DEL) Alkane: C...	11.231	91.1	ug/L	3450450	2	11.634	947120	25.0
(DEL) Alkane: C...	11.286	7.0	ug/L	266889	2	11.634	947120	25.0
(DEL) Alkane: C...	11.329	31.0	ug/L	1174050	2	11.634	947120	25.0
(DEL) Alkane: S...	11.384	7.0	ug/L	263326	2	11.634	947120	25.0
(DEL) Alkane: C...	11.439	49.9	ug/L	1890360	2	11.634	947120	25.0
(DEL) Alkane: C...	11.561	19.7	ug/L	745339	2	11.634	947120	25.0
(DEL) Alkane: C...	11.768	29.0	ug/L	1098170	2	11.634	947120	25.0
(DEL) Alkane: C...	11.817	11.8	ug/L	447973	2	11.634	947120	25.0
(DEL) Alkane: C...	11.878	27.5	ug/L	1041740	2	11.634	947120	25.0
(DEL) Alkane: C...	11.914	30.9	ug/L	1171110	2	11.634	947120	25.0
(DEL) Alkane: S...	11.975	22.2	ug/L	841062	2	11.634	947120	25.0
(DEL) Alkane: S...	12.067	8.4	ug/L	319805	2	11.634	947120	25.0
(DEL) Alkane: C...	12.140	94.7	ug/L	3587400	2	11.634	947120	25.0
(DEL) Alkane: S...	12.256	191.9	ug/L	7268750	2	11.634	947120	25.0
(DEL) Alkane: S...	12.365	159.4	ug/L	6037510	2	11.634	947120	25.0
Methoxyacetic a...	12.420	15.5	ug/L	588418	2	11.634	947120	25.0
(DEL) Alkane: S...	12.451	31.0	ug/L	1175530	2	11.634	947120	25.0
2-Nonanol, trif...	12.512	66.5	ug/L	2521350	2	11.634	947120	25.0
(DEL) Alkane: C...	12.615	11.0	ug/L	493683	3	13.560	1123010	25.0
(DEL) Alkane: S...	12.780	56.5	ug/L	2536560	3	13.560	1123010	25.0
(DEL) Alkane: C...	12.859	29.9	ug/L	1343740	3	13.560	1123010	25.0
(DEL) Alkane: C...	12.926	50.7	ug/L	2278740	3	13.560	1123010	25.0
(DEL) Alkane: C...	13.079	31.8	ug/L	1426760	3	13.560	1123010	25.0
(DEL) Alkane: S...	13.127	22.5	ug/L	1010250	3	13.560	1123010	25.0
(DEL) Alkane: S...	13.164	103.8	ug/L	4661190	3	13.560	1123010	25.0
(DEL) Alkane: S...	13.292	23.4	ug/L	1053390	3	13.560	1123010	25.0
(DEL) Alkane: S...	13.341	25.4	ug/L	1139980	3	13.560	1123010	25.0
unknown-02	13.438	14.4	ug/L	646381	3	13.560	1123010	25.0
(DEL) Alkane: S...	13.481	16.1	ug/L	721190	3	13.560	1123010	25.0
unknown-03	13.621	4.7	ug/L	212803	3	13.560	1123010	25.0
(DEL) Alkane: C...	13.694	12.8	ug/L	575665	3	13.560	1123010	25.0
5-Undecyne	13.737	6.9	ug/L	310793	3	13.560	1123010	25.0
unknown-04	13.926	3.5	ug/L	157921	3	13.560	1123010	25.0
unknown-05	13.981	6.8	ug/L	303941	3	13.560	1123010	25.0
(DEL) Alkane: S...	14.030	17.6	ug/L	790376	3	13.560	1123010	25.0

(DEL) Alkane: S...	14.133	27.7	ug/L	1243630	3	13.560	1123010	25.0
Benzene, (2-met...	14.206	20.4	ug/L	917960	3	13.560	1123010	25.0
unknown-06	14.261	16.9	ug/L	760300	3	13.560	1123010	25.0
(DEL) Alkane: S...	14.347	31.9	ug/L	1435190	3	13.560	1123010	25.0
Naphthalene, de...	14.383	28.0	ug/L	1257800	3	13.560	1123010	25.0
(DEL) Alkane: S...	14.426	10.5	ug/L	473637	3	13.560	1123010	25.0
(DEL) Alkane: S...	14.493	7.2	ug/L	322606	3	13.560	1123010	25.0
1-Methyldecahyd...	14.548	16.6	ug/L	744917	3	13.560	1123010	25.0
unknown-07	14.603	4.9	ug/L	221266	3	13.560	1123010	25.0
(DEL) Alkane: C...	14.737	6.0	ug/L	271458	3	13.560	1123010	25.0
Sulfurous acid,...	14.798	7.7	ug/L	344231	3	13.560	1123010	25.0
(DEL) Alkane: S...	14.834	53.2	ug/L	2388170	3	13.560	1123010	25.0
Cyclohexane, 1-...	14.920	5.8	ug/L	262466	3	13.560	1123010	25.0
1H-Indene, 2,3-...	15.054	11.7	ug/L	526013	3	13.560	1123010	25.0
(DEL) Alkane: C...	15.115	4.8	ug/L	216792	3	13.560	1123010	25.0
1H-Indene, 2,3-...	15.182	27.2	ug/L	1221350	3	13.560	1123010	25.0
(DEL) Alkane: S...	15.243	13.7	ug/L	614166	3	13.560	1123010	25.0
(DEL) Alkane: S...	15.322	32.3	ug/L	1448660	3	13.560	1123010	25.0
Benzene, (2-met...	15.401	5.0	ug/L	222443	3	13.560	1123010	25.0
(DEL) Alkane: C...	15.572	5.5	ug/L	247179	3	13.560	1123010	25.0
1H-Indene, 2,3-...	15.651	14.7	ug/L	659832	3	13.560	1123010	25.0
(DEL) Alkane: S...	15.724	15.0	ug/L	673962	3	13.560	1123010	25.0
(DEL) Alkane: C...	16.212	5.2	ug/L	232760	3	13.560	1123010	25.0
(DEL) Alkane: S...	16.279	12.8	ug/L	574635	3	13.560	1123010	25.0
(DEL) Alkane: S...	16.535	2.6	ug/L	119204	3	13.560	1123010	25.0

Instrument :
MSVOA_W
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