

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022222\
 Data File : VW022093.D
 Acq On : 22 Feb 2022 11:56
 Operator : SY/VA
 Sample : N1631-01
 Misc : 5.01g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBRG1

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\SFAMWLM020122SMA.M
 Title : SFAM01.0

Signal : TIC: VW022093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	68	73	81	rVB	42532	70050	16.75%	1.947%
2	2.495	93	97	105	rVB	6743	12126	2.90%	0.337%
3	2.885	154	161	171	rVB	26295	56185	13.44%	1.561%
4	3.397	240	245	252	rVB5	1209	2299	0.55%	0.064%
5	3.526	265	266	269	rVB	249	220	0.05%	0.006%
6	3.568	269	273	275	rBV2	273	405	0.10%	0.011%
7	3.721	290	298	308	rVB3	1286	3643	0.87%	0.101%
8	3.891	324	326	331	rVB2	321	397	0.09%	0.011%
9	4.013	334	346	357	rBV	50055	140875	33.69%	3.915%
10	4.129	357	365	376	rVB2	17157	49255	11.78%	1.369%
11	4.367	401	404	405	rBV2	281	238	0.06%	0.007%
12	4.641	446	449	450	rBV2	249	275	0.07%	0.008%
13	4.702	457	459	462	rVB3	328	297	0.07%	0.008%
14	4.781	467	472	473	rBV2	335	432	0.10%	0.012%
15	4.916	487	494	501	rVV4	2163	6271	1.50%	0.174%
16	4.995	505	507	508	rBV	266	246	0.06%	0.007%
17	5.702	621	623	626	rVV	207	237	0.06%	0.007%
18	5.787	628	637	647	rVV5	1256	4164	1.00%	0.116%
19	5.946	654	663	672	rVB5	1331	4208	1.01%	0.117%
20	6.519	754	757	758	rBV	224	264	0.06%	0.007%
21	6.598	768	770	773	rBV3	471	437	0.10%	0.012%
22	6.641	776	777	781	rBV2	182	253	0.06%	0.007%
23	6.903	810	820	827	rBV4	1520	5045	1.21%	0.140%
24	7.080	841	849	859	rBV	9324	26951	6.45%	0.749%
25	7.250	874	877	878	rBV3	853	1054	0.25%	0.029%
26	7.433	904	907	910	rBV	157	241	0.06%	0.007%
27	7.525	919	922	923	rBV	522	409	0.10%	0.011%
28	7.647	930	942	956	rBV2	75823	187940	44.94%	5.223%
29	7.787	963	965	966	rBV	321	224	0.05%	0.006%
30	7.872	977	979	984	rVB2	422	639	0.15%	0.018%
31	7.921	984	987	988	rBV2	232	254	0.06%	0.007%
32	8.275	1033	1045	1059	rBV2	142251	418165	100.00%	11.621%
33	8.543	1085	1089	1099	rVB4	3048	7506	1.79%	0.209%
34	8.616	1099	1101	1104	rVB2	286	245	0.06%	0.007%
35	8.659	1104	1108	1109	rBV2	245	292	0.07%	0.008%
36	8.714	1109	1117	1123	rBV5	2407	6155	1.47%	0.171%

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37	8.842	1130	1138	1148	rVB	164444	325981	77.96%	9.059%
38	8.915	1148	1150	1151	rBV	523	428	0.10%	0.012%
39	9.274	1200	1209	1217	rBV	92794	195451	46.74%	5.431%
40	9.409	1225	1231	1240	rBV3	3828	8082	1.93%	0.225%
41	9.652	1266	1271	1276	rBV5	1187	2089	0.50%	0.058%
42	9.780	1291	1292	1297	rVB	252	243	0.06%	0.007%
43	9.823	1297	1299	1303	rBV2	270	385	0.09%	0.011%
44	9.878	1305	1308	1310	rVB2	208	248	0.06%	0.007%
45	9.909	1310	1313	1315	rBV	245	270	0.06%	0.008%
46	9.945	1315	1319	1320	rBV	354	285	0.07%	0.008%
47	10.037	1327	1334	1342	rVB	48377	86887	20.78%	2.415%
48	10.207	1359	1362	1366	rVV2	639	820	0.20%	0.023%
49	10.323	1371	1381	1387	rBV	214944	379817	90.83%	10.555%
50	10.384	1387	1391	1397	rVV	9853	18234	4.36%	0.507%
51	10.500	1401	1410	1416	rBV7	2595	5887	1.41%	0.164%
52	10.579	1416	1423	1429	rBV	29902	53014	12.68%	1.473%
53	10.707	1438	1444	1448	rVB2	3031	5720	1.37%	0.159%
54	10.750	1448	1451	1455	rBV2	369	512	0.12%	0.014%
55	10.835	1462	1465	1466	rBV	263	303	0.07%	0.008%
56	10.921	1472	1479	1486	rBV	39792	66875	15.99%	1.858%
57	11.073	1497	1504	1513	rBV2	15537	27587	6.60%	0.767%
58	11.177	1519	1521	1527	rVB2	284	313	0.07%	0.009%
59	11.299	1538	1541	1542	rBV2	270	302	0.07%	0.008%
60	11.347	1545	1549	1554	rVV4	695	935	0.22%	0.026%
61	11.402	1554	1558	1564	rVB5	511	982	0.23%	0.027%
62	11.463	1564	1568	1574	rBV2	371	746	0.18%	0.021%
63	11.628	1588	1595	1603	rBV	225723	377209	90.21%	10.482%
64	11.731	1608	1612	1617	rVB3	1711	2664	0.64%	0.074%
65	11.835	1623	1629	1643	rBV4	16122	37449	8.96%	1.041%
66	11.939	1643	1646	1648	rBV3	922	1017	0.24%	0.028%
67	12.018	1655	1659	1660	rBV2	656	861	0.21%	0.024%
68	12.164	1679	1683	1689	rVB5	2122	3666	0.88%	0.102%
69	12.237	1689	1695	1700	rBV2	1942	3442	0.82%	0.096%
70	12.335	1705	1711	1718	rBV3	11096	19056	4.56%	0.530%
71	12.457	1729	1731	1738	rVB3	717	1172	0.28%	0.033%
72	12.603	1747	1755	1761	rVB	11663	21601	5.17%	0.600%
73	12.689	1761	1769	1776	rBV	74516	123153	29.45%	3.422%
74	12.756	1776	1780	1783	rVB2	704	997	0.24%	0.028%
75	12.798	1785	1787	1793	rVB	881	1106	0.26%	0.031%
76	12.865	1793	1798	1800	rBV2	1271	1911	0.46%	0.053%

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 Title : SFAM01.0

77	12.932	1806	1809	1813	rVB3	3883	5501	1.32%	0.153%
78	13.048	1824	1828	1834	rBV5	1906	3429	0.82%	0.095%
79	13.268	1855	1864	1865	rBV4	4201	9413	2.25%	0.262%
80	13.396	1879	1885	1894	rBV3	13383	23276	5.57%	0.647%
81	13.493	1896	1901	1905	rVV	13023	19371	4.63%	0.538%
82	13.554	1905	1911	1923	rVB	217308	367001	87.76%	10.199%
83	13.749	1940	1943	1948	rBV4	1064	1944	0.46%	0.054%
84	13.847	1953	1959	1971	rBV	173810	297285	71.09%	8.261%
85	13.950	1972	1976	1981	rVB5	1767	2865	0.69%	0.080%
86	14.011	1983	1986	1990	rVV4	1540	2771	0.66%	0.077%
87	14.060	1991	1994	2002	rVB2	5711	10213	2.44%	0.284%
88	14.219	2017	2020	2027	rVB3	1843	3318	0.79%	0.092%
89	14.322	2031	2037	2048	rVV2	26821	42295	10.11%	1.175%
90	14.621	2082	2086	2090	rVB4	3473	4969	1.19%	0.138%
91	14.944	2137	2139	2142	rBV3	498	380	0.09%	0.011%
92	15.066	2157	2159	2165	rVB3	1314	1380	0.33%	0.038%
93	15.176	2172	2177	2184	rVB3	5224	8948	2.14%	0.249%
94	15.298	2195	2197	2198	rBV2	320	260	0.06%	0.007%
95	15.432	2215	2219	2223	rBV2	2094	2913	0.70%	0.081%
96	15.487	2224	2228	2233	rVB2	2059	3725	0.89%	0.104%
97	15.755	2269	2272	2275	rBV3	689	712	0.17%	0.020%
98	15.999	2311	2312	2315	rVB2	447	294	0.07%	0.008%
99	16.029	2315	2317	2318	rBV2	330	290	0.07%	0.008%
100	16.231	2347	2350	2352	rBV	316	335	0.08%	0.009%

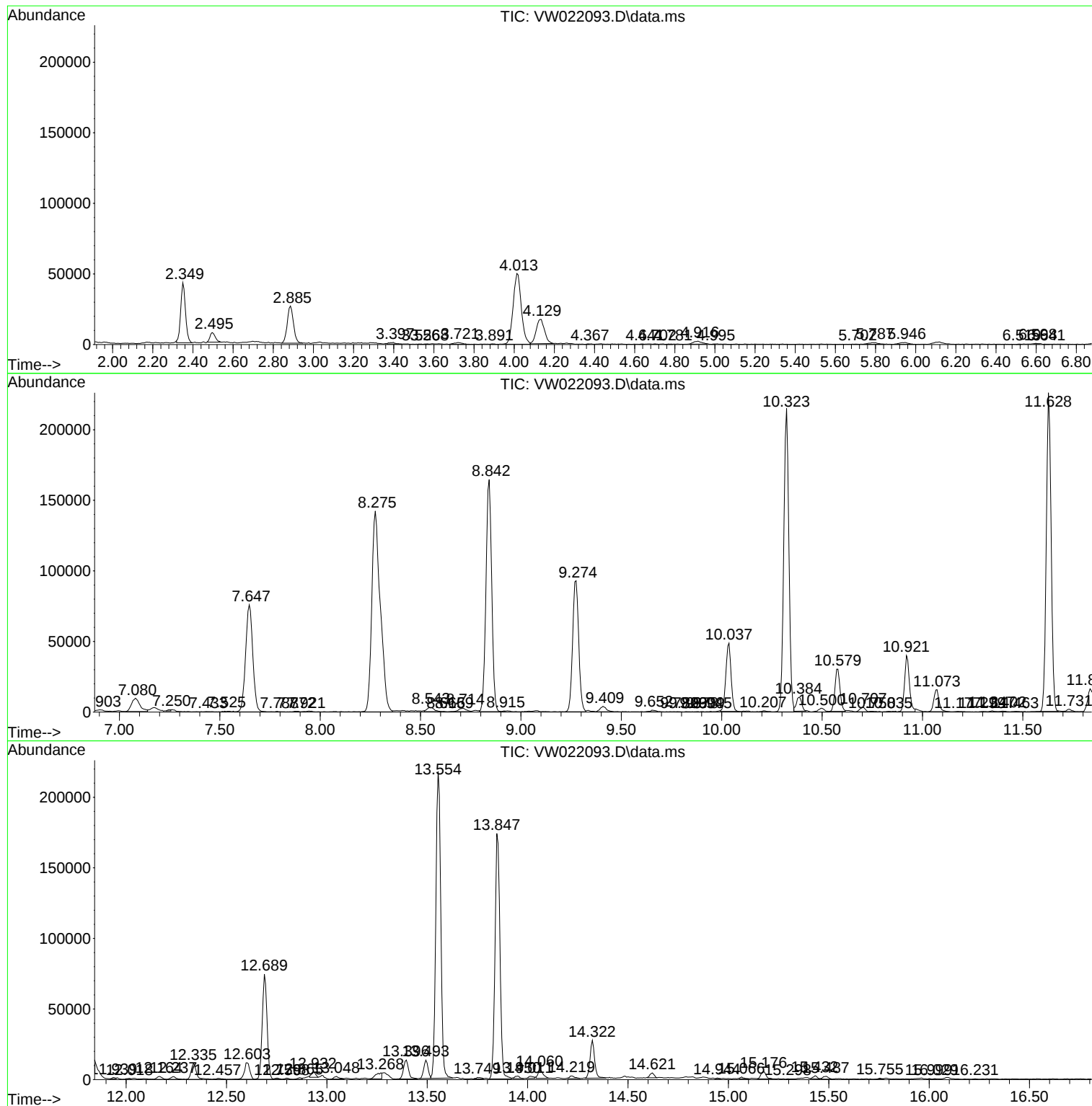
Sum of corrected areas: 3598485

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
Quant Title : SFAM01.0

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



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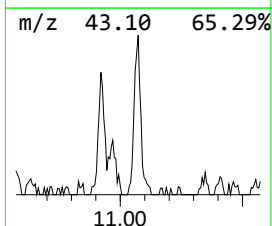
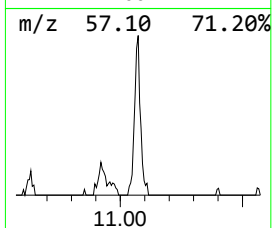
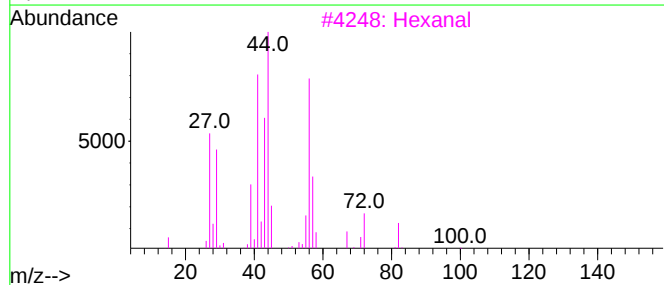
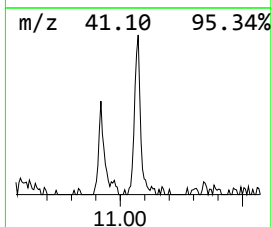
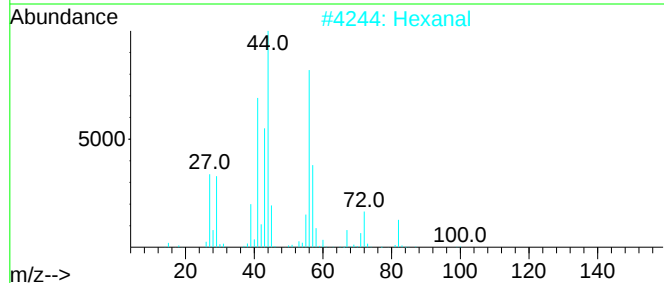
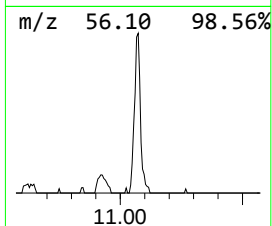
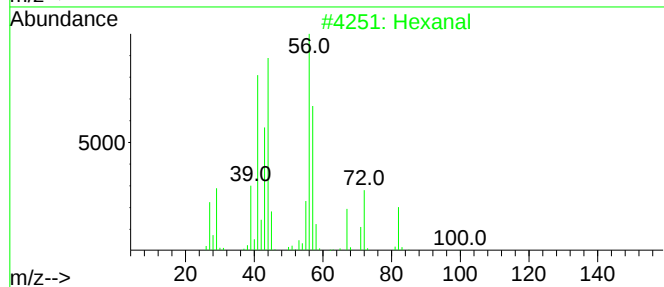
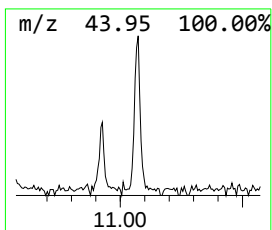
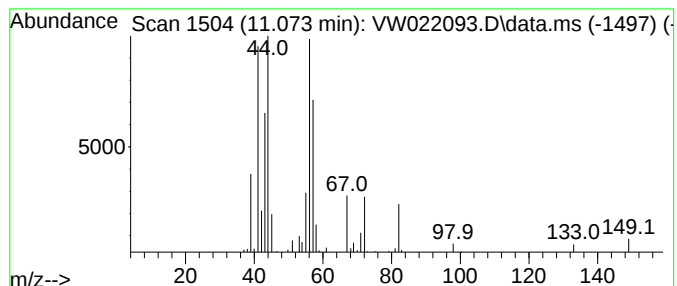
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	1.83 ug/L	27587	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	90
2	Hexanal			100	C6H12O	000066-25-1	72
3	Hexanal			100	C6H12O	000066-25-1	72
4	Hexanal			100	C6H12O	000066-25-1	59
5	Urea, trimethyl-			102	C4H10N2O	000632-14-4	38



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Instrument :
MSVOA_W
ClientSampleId :
DBRG1

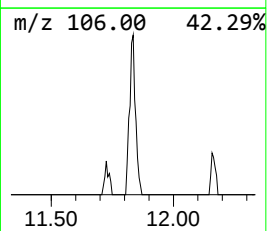
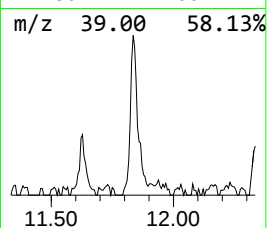
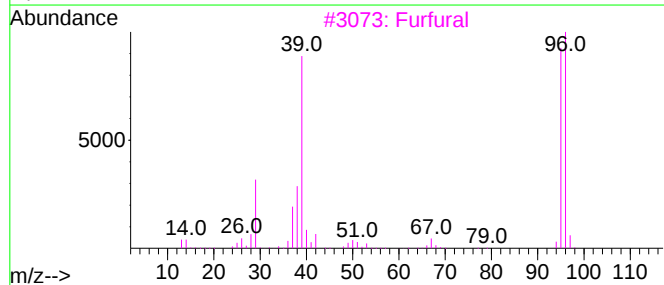
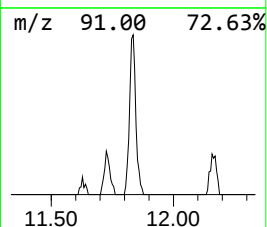
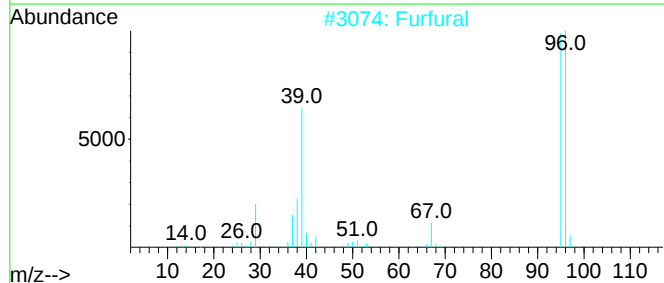
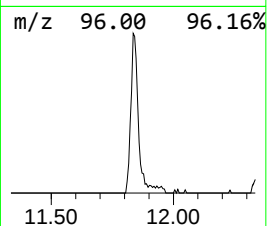
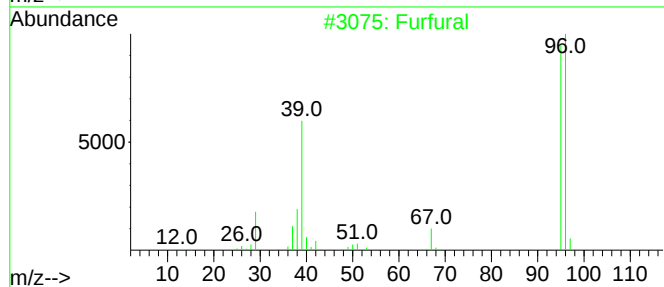
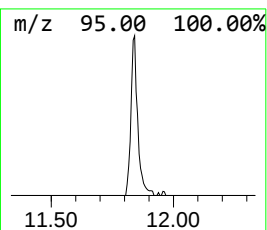
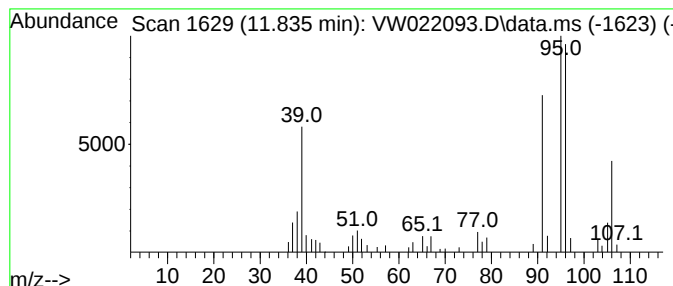
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Furfural Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.835	2.48 ug/L	37449	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural			96	C5H4O2	000098-01-1	87
2	Furfural			96	C5H4O2	000098-01-1	87
3	Furfural			96	C5H4O2	000098-01-1	87
4	Furfural			96	C5H4O2	000098-01-1	83
5	1H-Imidazole, 1,5-dimethyl-			96	C5H8N2	010447-93-5	53



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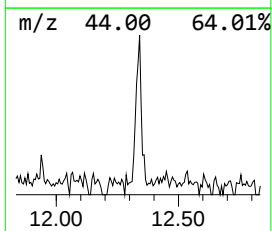
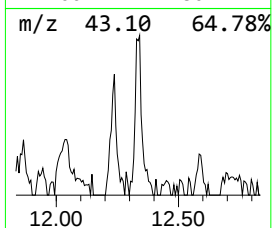
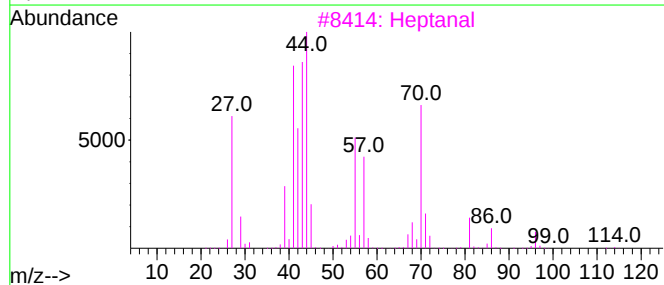
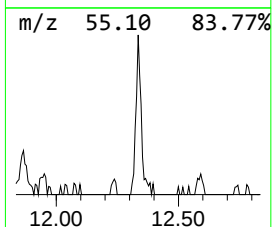
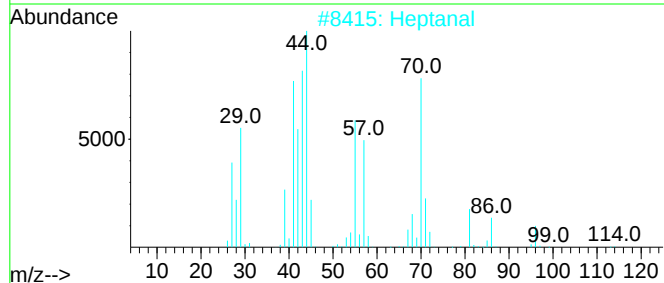
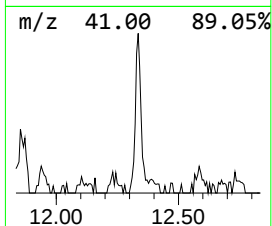
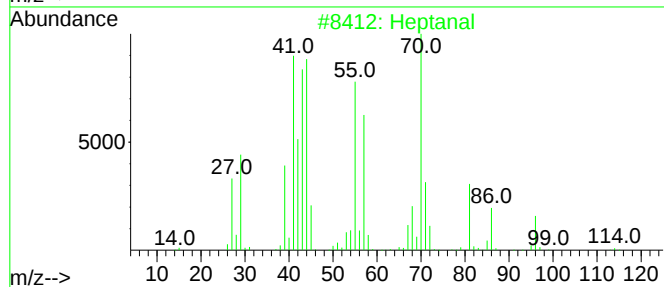
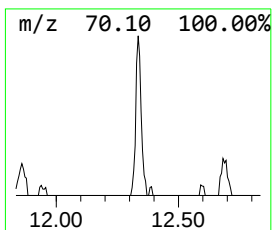
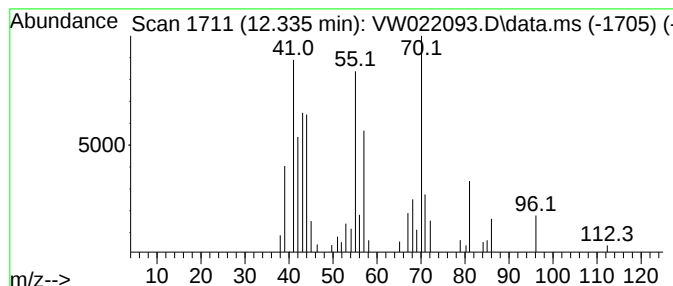
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 Heptanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	1.26 ug/L	19056	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptanal	114	C7H14O	000111-71-7	90
2			Heptanal	114	C7H14O	000111-71-7	72
3			Heptanal	114	C7H14O	000111-71-7	50
4			Heptanal	114	C7H14O	000111-71-7	50
5			Propyl aldoxime, 2-methyl-, anti-	87	C4H9NO	005775-73-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022222\
Data File : VW022093.D
Acq On : 22 Feb 2022 11:56
Operator : SY/VA
Sample : N1631-01
Misc : 5.01g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBRG1

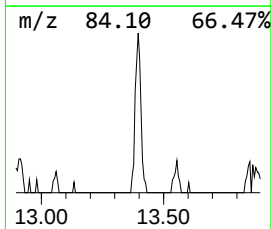
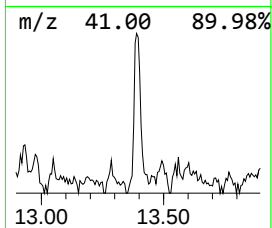
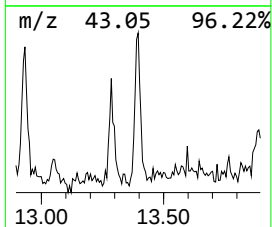
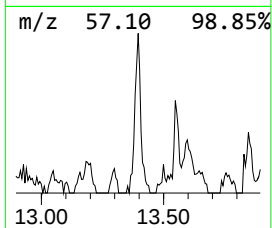
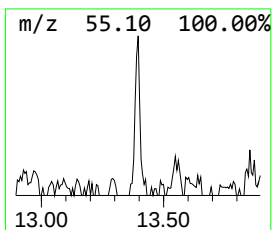
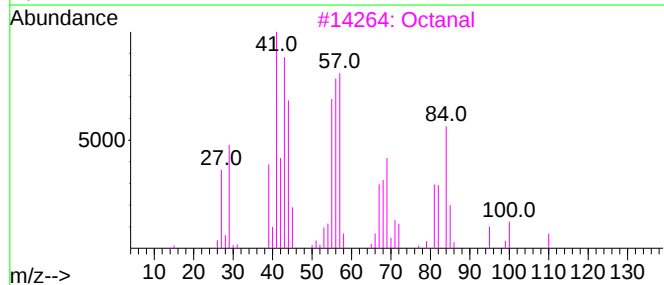
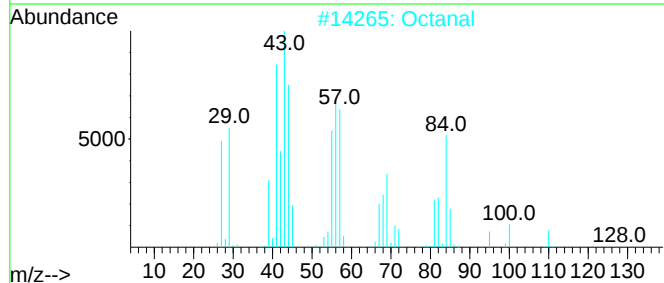
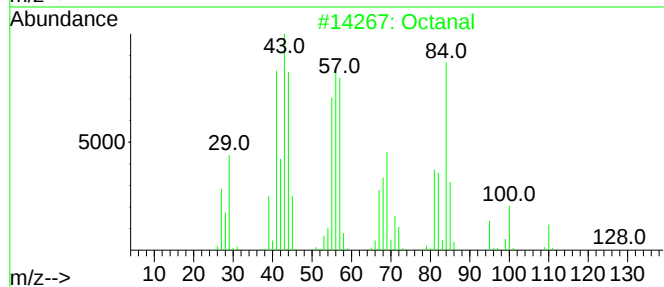
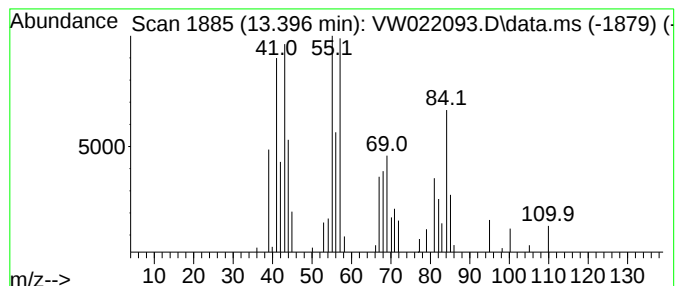
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Quant Title : SFAM01.0

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

Peak Number 6 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.396	1.59 ug/L	23276	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal			128	C8H16O	000124-13-0	72
2	Octanal			128	C8H16O	000124-13-0	59
3	Octanal			128	C8H16O	000124-13-0	59
4	Pentane, 3-methylene-			84	C6H12	000760-21-4	35
5	Pentane, 3-methylene-			84	C6H12	000760-21-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022222\
Data File : VW022093.D
Acq On : 22 Feb 2022 11:56
Operator : SY/VA
Sample : N1631-01
Misc : 5.01g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBRG1

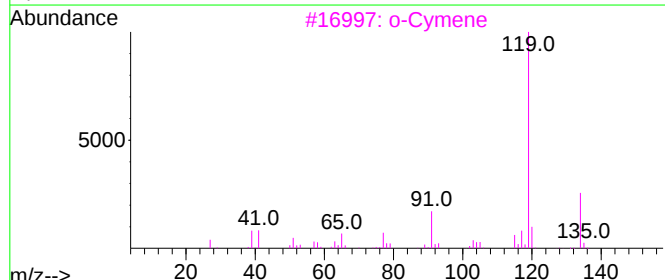
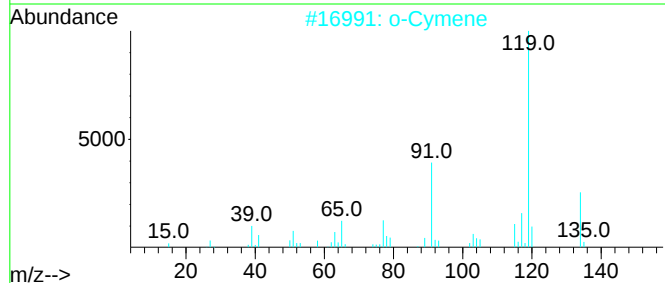
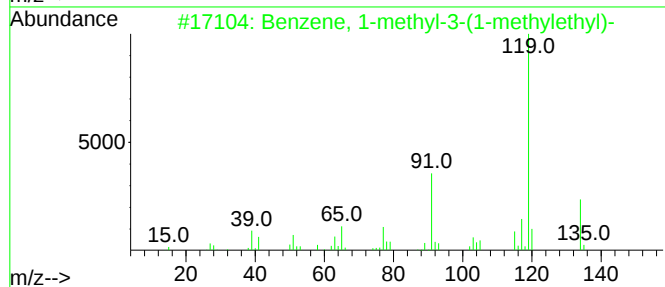
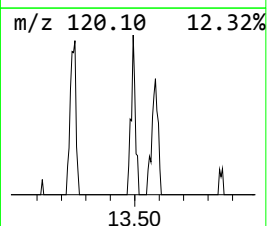
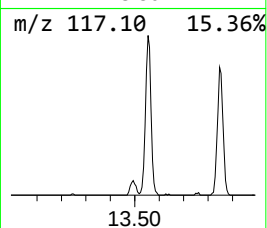
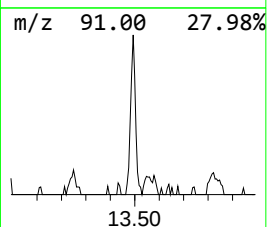
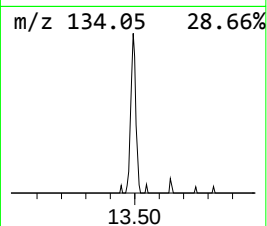
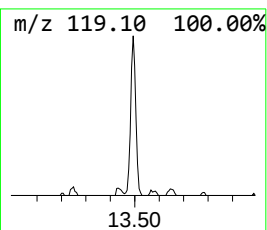
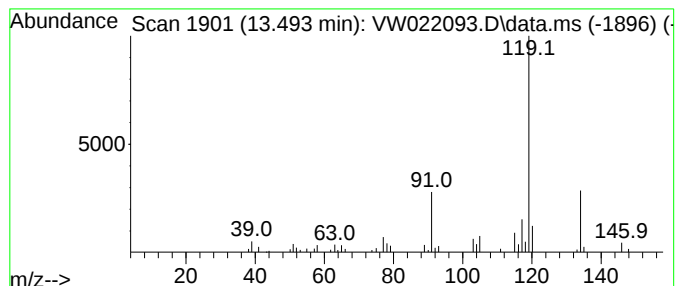
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Quant Title : SFAM01.0

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

Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	1.32 ug/L	19371	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2			o-Cymene	134	C10H14	000527-84-4	91
3			o-Cymene	134	C10H14	000527-84-4	91
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5			p-Cymene	134	C10H14	000099-87-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022222\
Data File : VW022093.D
Acq On : 22 Feb 2022 11:56
Operator : SY/VA
Sample : N1631-01
Misc : 5.01g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBRG1

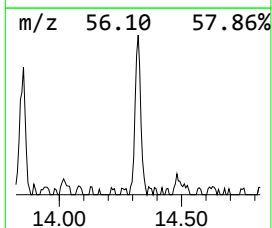
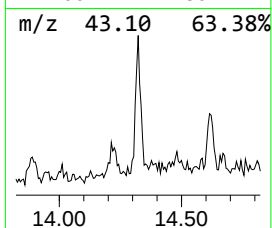
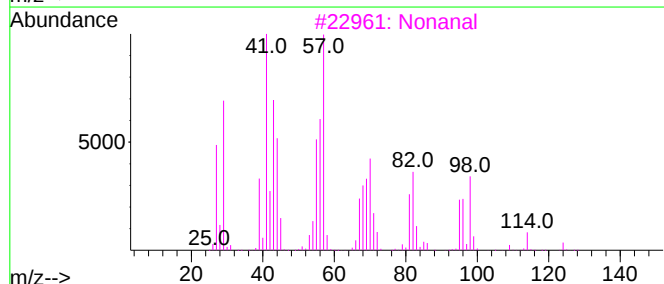
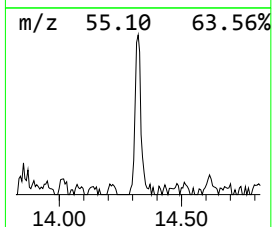
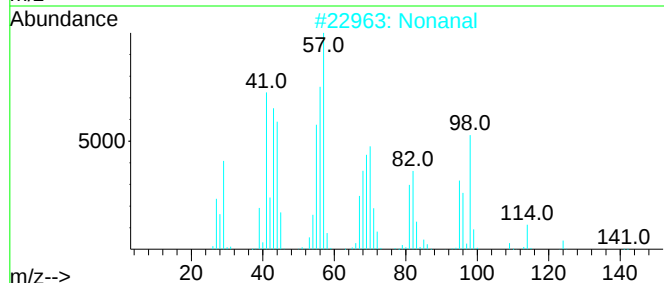
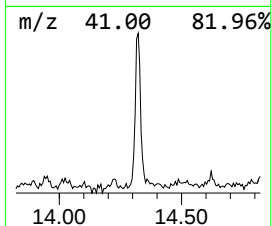
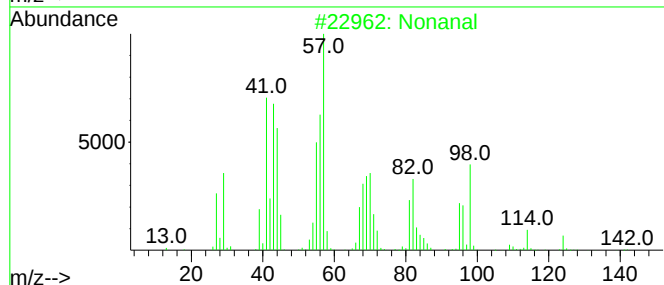
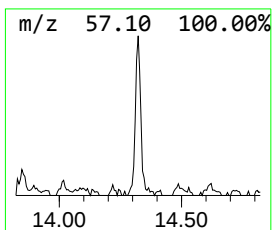
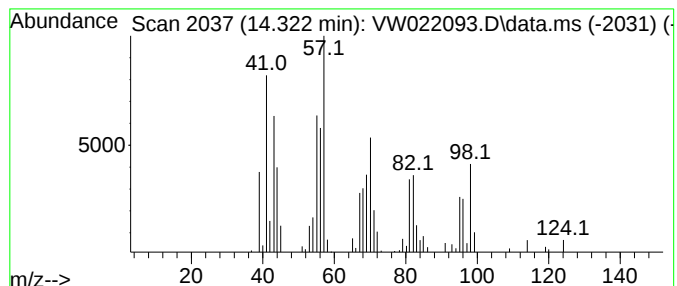
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Quant Title : SFAM01.0

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

Peak Number 8 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	2.88 ug/L	42295	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	90
2			Nonanal	142	C9H18O	000124-19-6	90
3			Nonanal	142	C9H18O	000124-19-6	86
4			Nonanal	142	C9H18O	000124-19-6	78
5			Cycloheptane	98	C7H14	000291-64-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022222\
Data File : VW022093.D
Acq On : 22 Feb 2022 11:56
Operator : SY/VA
Sample : N1631-01
Misc : 5.01g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBRG1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.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
Hexanal	11.073	1.8	ug/L	27587	2	11.628	377209	25.0
Furfural	11.835	2.5	ug/L	37449	2	11.628	377209	25.0
Heptanal	12.335	1.3	ug/L	19056	2	11.628	377209	25.0
Octanal	13.396	1.6	ug/L	23276	3	13.554	367001	25.0
Benzene, 1-meth...	13.493	1.3	ug/L	19371	3	13.554	367001	25.0
Nonanal	14.322	2.9	ug/L	42295	3	13.554	367001	25.0