

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
 Data File : VW026532.D
 Acq On : 05 Jul 2023 14:55
 Operator : SY/MD
 Sample : 03478-10
 Misc : 5.05g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VHBLK002

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\SFAMWLM070323SMA.M
 Title : SFAM01.0

Signal : TIC: VW026532.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	37	42	45	rBV	12940	20081	0.32%	0.062%
2	2.228	51	56	59	rBV6	6751	16735	0.27%	0.052%
3	2.369	72	79	95	rBV2	96972	319048	5.13%	0.991%
4	2.899	158	166	181	rBV	103397	321606	5.17%	0.998%
5	3.253	223	224	225	rBV	1009	756	0.01%	0.002%
6	3.289	229	230	232	rBV2	1320	976	0.02%	0.003%
7	3.393	235	247	253	rBV2	10974	30102	0.48%	0.093%
8	3.442	253	255	258	rVV4	1690	1830	0.03%	0.006%
9	3.484	261	262	264	rVB2	1097	648	0.01%	0.002%
10	3.539	267	271	274	rBV6	1117	1624	0.03%	0.005%
11	3.588	277	279	281	rVB3	1636	1193	0.02%	0.004%
12	3.655	288	290	292	rVB3	2116	1900	0.03%	0.006%
13	3.679	292	294	296	rBV3	1868	2481	0.04%	0.008%
14	3.728	300	302	306	rBV5	1065	1357	0.02%	0.004%
15	3.795	311	313	316	rVB4	791	738	0.01%	0.002%
16	3.826	316	318	319	rBV2	1428	1038	0.02%	0.003%
17	4.027	337	351	373	rBV	257849	987488	15.87%	3.066%
18	4.258	387	389	394	rVB6	746	1119	0.02%	0.003%
19	4.301	394	396	398	rVB3	1553	975	0.02%	0.003%
20	4.393	401	411	423	rBV2	10894	33980	0.55%	0.105%
21	4.484	423	426	427	rVB3	980	1003	0.02%	0.003%
22	4.539	433	435	438	rVB5	1310	1697	0.03%	0.005%
23	4.685	457	459	460	rBV2	815	691	0.01%	0.002%
24	4.722	463	465	466	rBV2	1316	863	0.01%	0.003%
25	4.746	466	469	472	rVB5	728	698	0.01%	0.002%
26	4.777	472	474	476	rBV2	1142	913	0.01%	0.003%
27	4.795	476	477	479	rVB2	965	671	0.01%	0.002%
28	4.929	485	499	519	rBV2	34344	166248	2.67%	0.516%
29	5.112	523	529	530	rBV3	3578	6166	0.10%	0.019%
30	5.240	547	550	551	rBV3	654	638	0.01%	0.002%
31	5.258	551	553	557	rVB5	700	842	0.01%	0.003%
32	5.301	559	560	564	rVB4	1310	900	0.01%	0.003%
33	5.344	564	567	569	rBV4	790	880	0.01%	0.003%
34	5.368	569	571	573	rBV3	840	931	0.01%	0.003%
35	5.423	577	580	582	rVV4	937	1162	0.02%	0.004%
36	5.508	592	594	596	rVB3	955	784	0.01%	0.002%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
 Title : SFAM01.0

37	5.539	596	599	603	rVB6	1284	1657	0.03%	0.005%
38	5.594	607	608	611	rVB3	763	630	0.01%	0.002%
39	5.624	611	613	614	rBV2	1164	799	0.01%	0.002%
40	5.655	614	618	621	rBV6	883	1280	0.02%	0.004%
41	5.752	626	634	644	rVB5	6434	21221	0.34%	0.066%
42	5.862	649	652	654	rBV4	670	805	0.01%	0.002%
43	5.941	654	665	673	rBV3	18895	57503	0.92%	0.179%
44	6.081	686	688	690	rVB3	1859	1290	0.02%	0.004%
45	6.100	690	691	693	rBV2	1399	1086	0.02%	0.003%
46	6.130	693	696	697	rBV3	714	638	0.01%	0.002%
47	6.148	697	699	701	rVB2	1116	793	0.01%	0.002%
48	6.179	701	704	708	rBV5	999	1874	0.03%	0.006%
49	6.215	708	710	711	rBV2	1154	839	0.01%	0.003%
50	6.234	711	713	715	rVB3	1251	1281	0.02%	0.004%
51	6.264	715	718	720	rBV4	2028	2041	0.03%	0.006%
52	6.295	720	723	726	rVB5	842	1253	0.02%	0.004%
53	6.331	726	729	731	rBV4	397	611	0.01%	0.002%
54	6.392	736	739	740	rVB3	943	901	0.01%	0.003%
55	6.411	740	742	744	rBV3	1527	1375	0.02%	0.004%
56	6.429	744	745	751	rVB6	1665	2401	0.04%	0.007%
57	6.490	753	755	757	rBV3	1594	1106	0.02%	0.003%
58	6.514	757	759	763	rVB5	2050	2053	0.03%	0.006%
59	6.600	771	773	776	rVB4	711	809	0.01%	0.003%
60	6.660	781	783	784	rBV2	934	807	0.01%	0.003%
61	6.697	788	789	791	rBV2	1136	768	0.01%	0.002%
62	6.746	795	797	803	rVB7	1406	1768	0.03%	0.005%
63	6.868	816	817	820	rVB3	1297	681	0.01%	0.002%
64	6.904	820	823	824	rBV3	1493	1216	0.02%	0.004%
65	6.923	824	826	828	rBV3	789	782	0.01%	0.002%
66	6.953	830	831	832	rBV	918	637	0.01%	0.002%
67	7.081	842	852	856	rBV	104348	280645	4.51%	0.871%
68	7.136	856	861	874	rVB	140434	401847	6.46%	1.248%
69	7.355	895	897	898	rVB2	1250	792	0.01%	0.002%
70	7.392	901	903	905	rBV3	1873	1709	0.03%	0.005%
71	7.447	908	912	914	rBV5	1671	1808	0.03%	0.006%
72	7.465	914	915	917	rBV2	1342	632	0.01%	0.002%
73	7.484	917	918	920	rBV2	1248	1013	0.02%	0.003%
74	7.520	923	924	926	rBV2	1269	1046	0.02%	0.003%
75	7.648	935	945	958	rBV	464829	1150981	18.50%	3.573%
76	7.922	988	990	991	rBV2	1694	1372	0.02%	0.004%

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 Title : SFAM01.0

77	8.008	1002	1004	1006	rVB3	2375	1484	0.02%	0.005%
78	8.050	1006	1011	1016	rBV9	2499	5885	0.09%	0.018%
79	8.111	1019	1021	1024	rVB4	2452	1899	0.03%	0.006%
80	8.276	1035	1048	1063	rBV2	1069042	3185781	51.21%	9.891%
81	8.684	1113	1115	1116	rBV	2898	2090	0.03%	0.006%
82	8.843	1132	1141	1155	rBV	1102089	2190337	35.21%	6.800%
83	9.276	1204	1212	1221	rBV	666969	1389546	22.34%	4.314%
84	10.032	1330	1336	1344	rBV	368096	661908	10.64%	2.055%
85	10.324	1377	1384	1391	rBV	1436972	2537319	40.79%	7.877%
86	10.581	1420	1426	1434	rBV	225796	401188	6.45%	1.246%
87	10.702	1441	1446	1452	rVB2	106398	189407	3.04%	0.588%
88	10.922	1477	1482	1491	rBV	359947	641681	10.32%	1.992%
89	11.629	1592	1598	1606	rVB	1445107	2439218	39.21%	7.573%
90	12.690	1767	1772	1779	rBV	508817	833169	13.39%	2.587%
91	13.251	1860	1864	1867	rBV5	54010	109447	1.76%	0.340%
92	13.556	1908	1914	1924	rVB	1557363	2489326	40.02%	7.728%
93	13.690	1931	1936	1950	rVB5	142866	583673	9.38%	1.812%
94	13.848	1956	1962	1977	rBV	1121041	2015831	32.40%	6.258%
95	14.842	2113	2125	2143	rVB3	1871542	6220761	100.00%	19.313%
96	15.317	2199	2203	2209	rBV	111732	180714	2.91%	0.561%
97	15.915	2288	2301	2317	rBV3	318901	1464311	23.54%	4.546%
98	16.275	2355	2360	2369	rVB	217239	399678	6.42%	1.241%
99	16.531	2399	2402	2407	rVB2	49199	76372	1.23%	0.237%
100	16.616	2408	2416	2420	rBV6	100231	305907	4.92%	0.950%

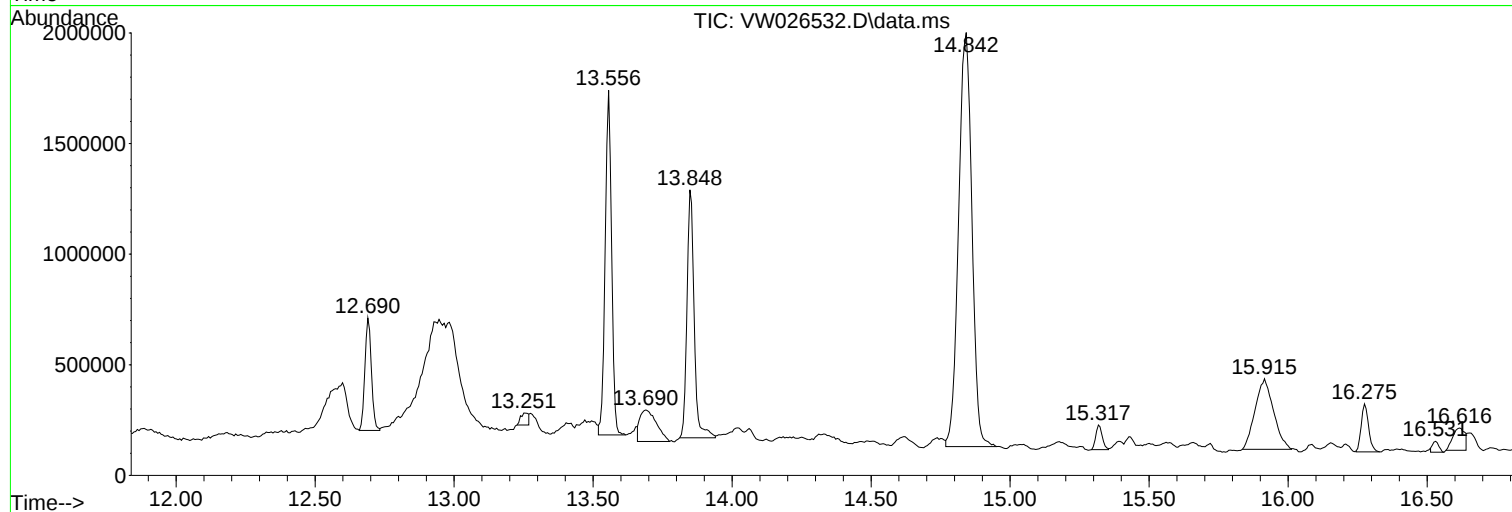
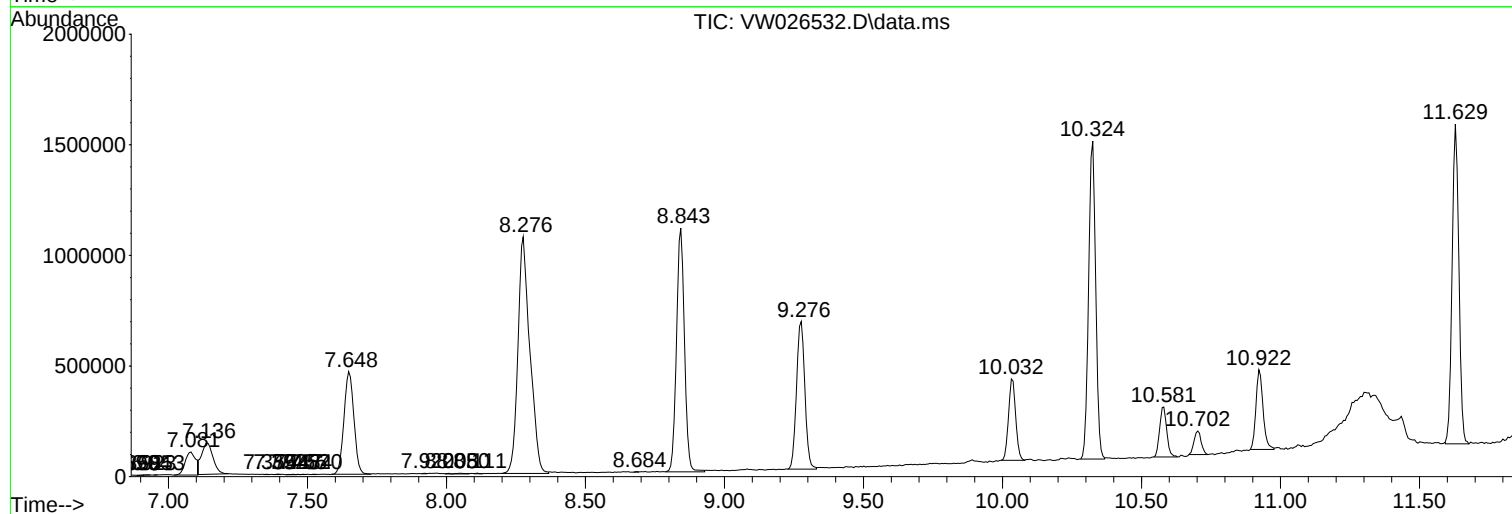
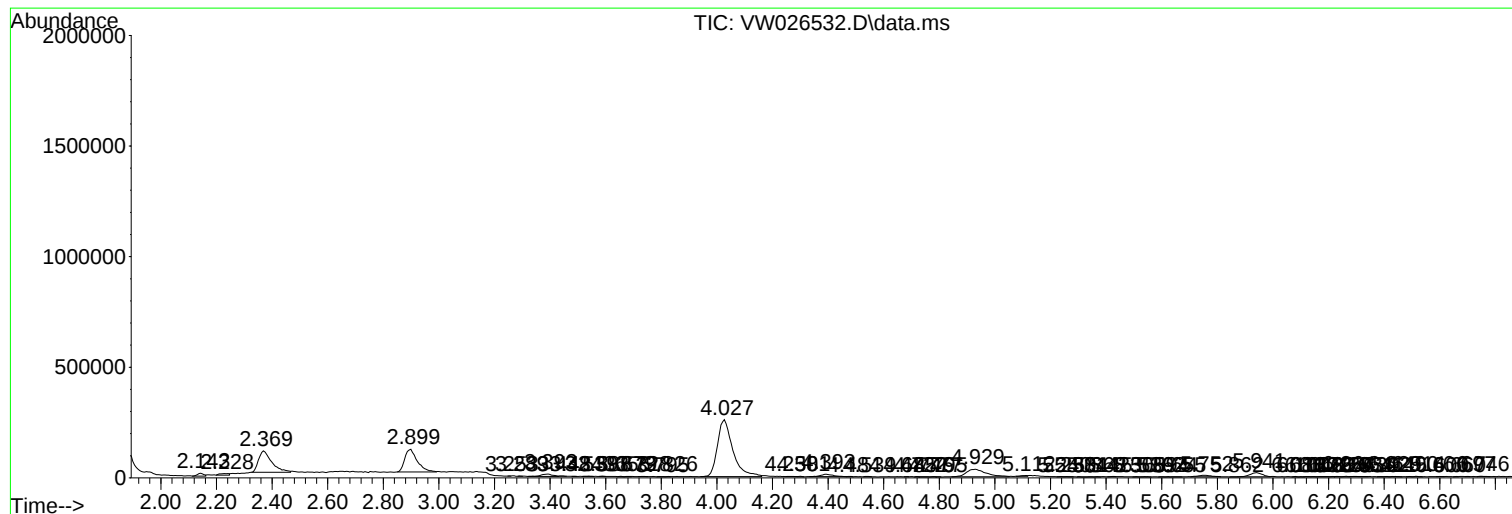
Sum of corrected areas: 32210444

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Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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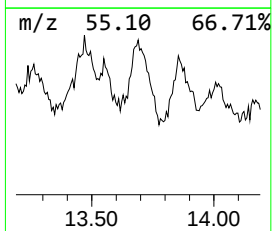
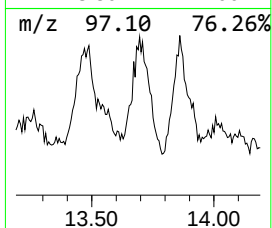
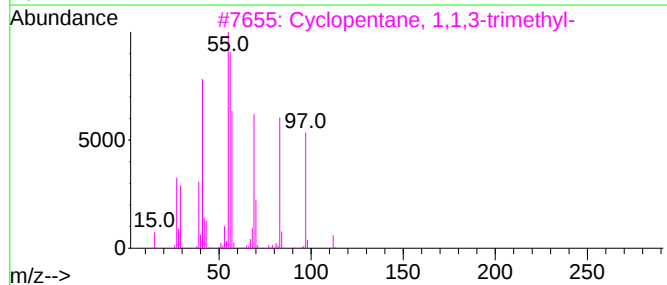
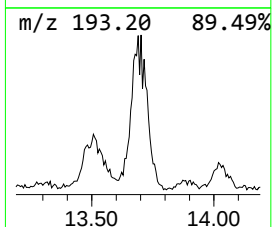
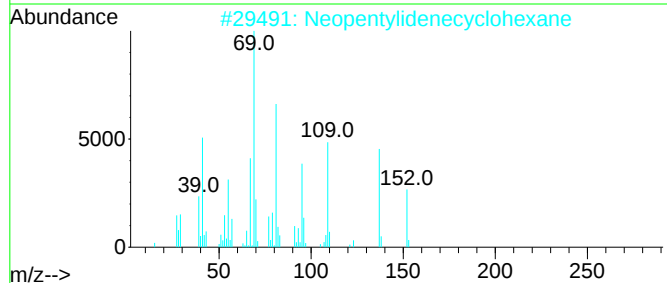
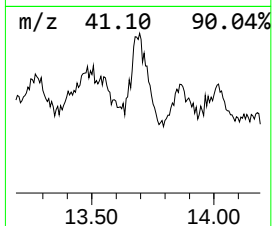
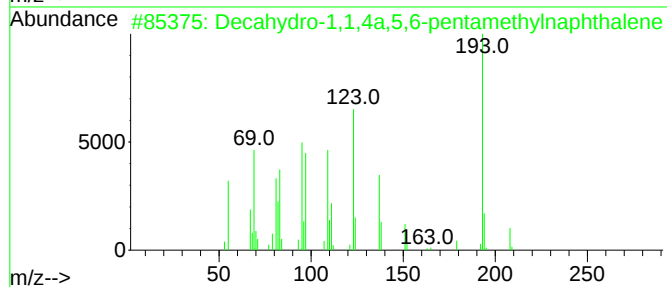
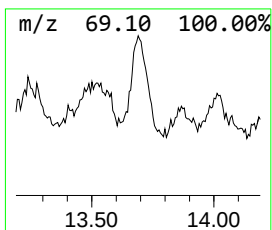
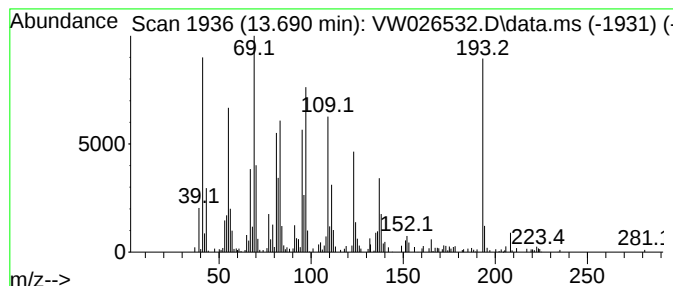
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.690	5.86 ug/L	583673	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	45
2			Neopentylidenecyclohexane	152	C11H20	039546-80-0	30
3			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	25
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
5			Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	25



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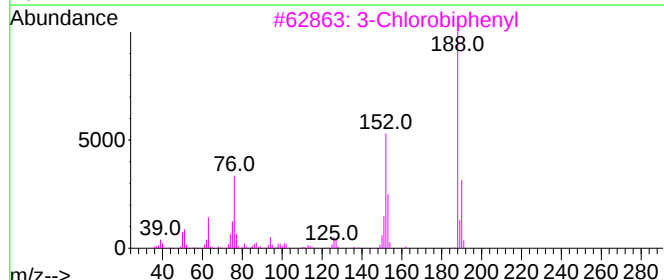
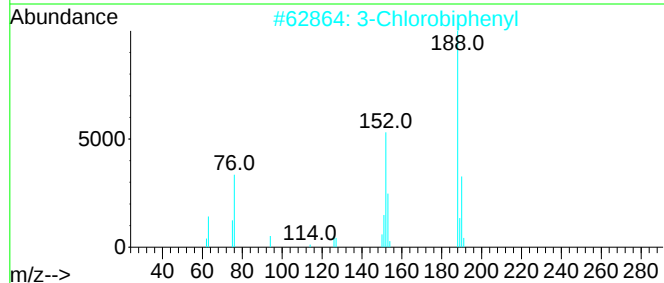
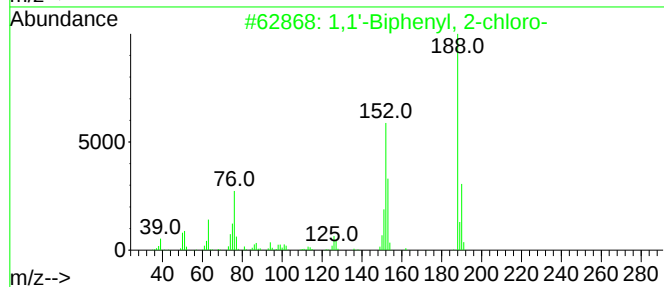
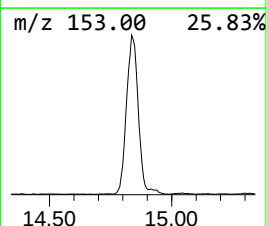
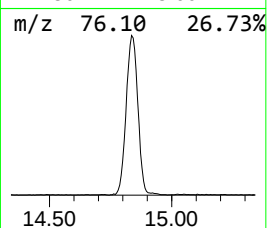
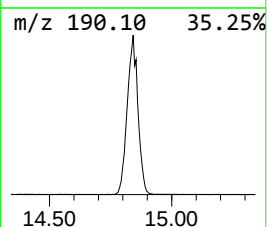
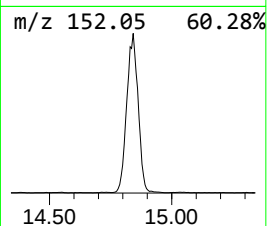
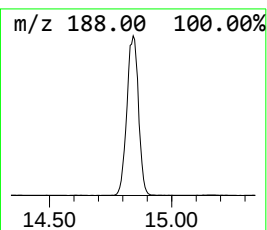
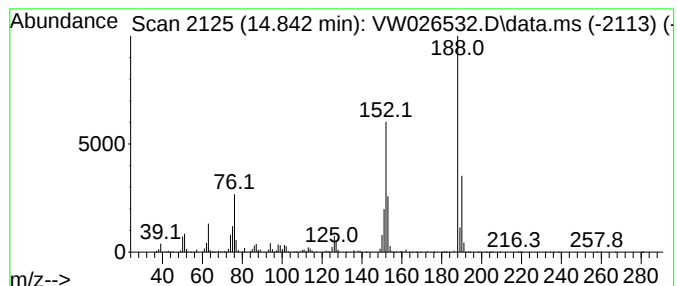
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Quant Title : SFAM01.0

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

Peak Number 6 1,1'-Biphenyl, 2-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.842	62.47 ug/L	6220760	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	99
2			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
3			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
4			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	97
5			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94



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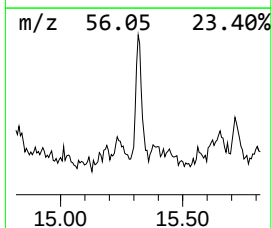
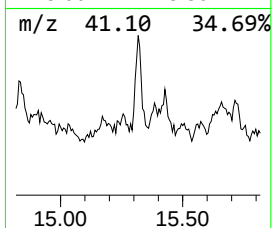
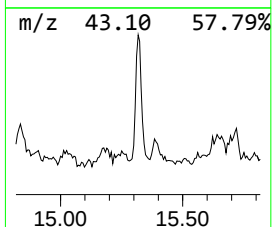
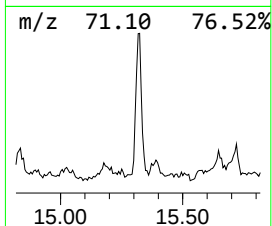
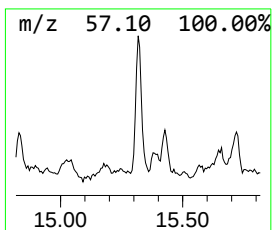
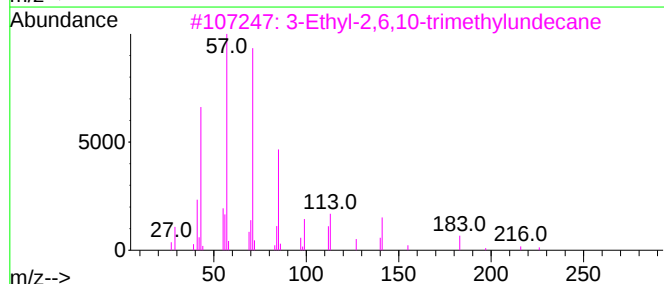
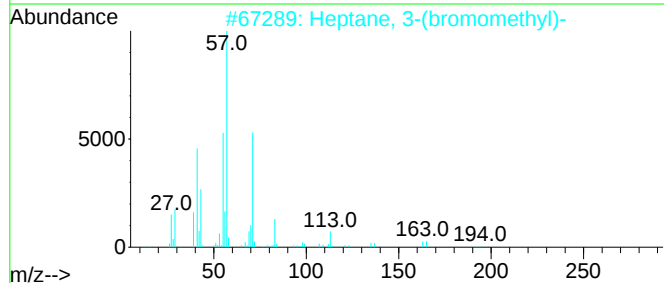
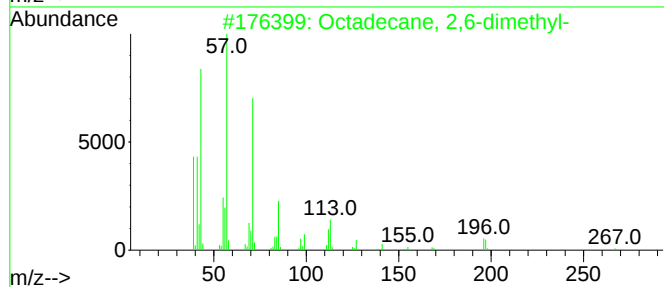
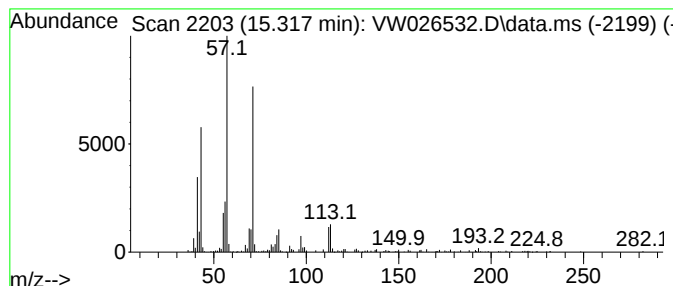
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.318	1.81 ug/L	180714	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecane, 2,6-dimethyl-		282	C20H42	075163-97-2	90
2	Heptane, 3-(bromomethyl)-		192	C8H17Br	018908-66-2	72
3	3-Ethyl-2,6,10-trimethylundecane		226	C16H34	1000432-25-9	72
4	Octane, 3-ethyl-		142	C10H22	005881-17-4	64
5	Decane, 2-methyl-		156	C11H24	006975-98-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026532.D
Acq On : 05 Jul 2023 14:55
Operator : SY/MD
Sample : 03478-10
Misc : 5.05g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK002

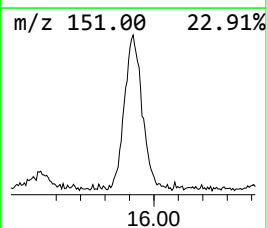
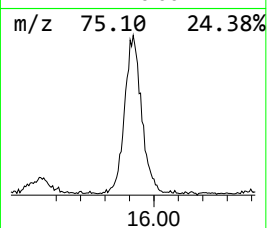
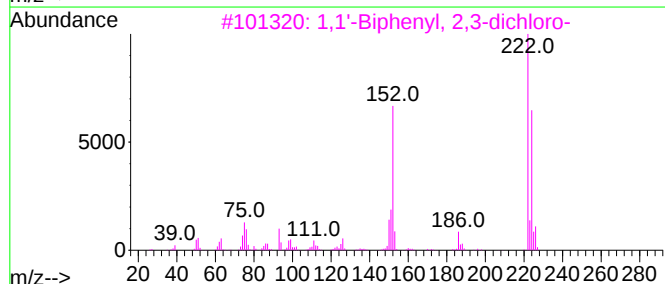
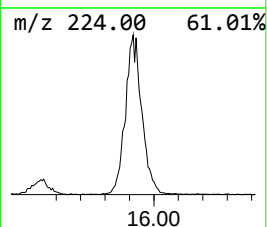
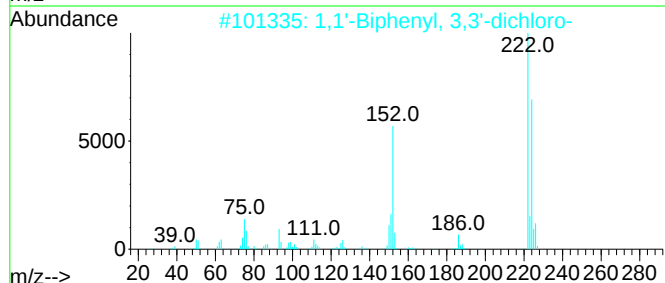
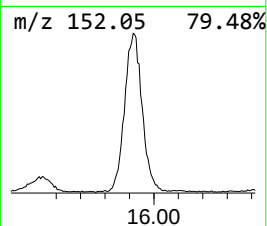
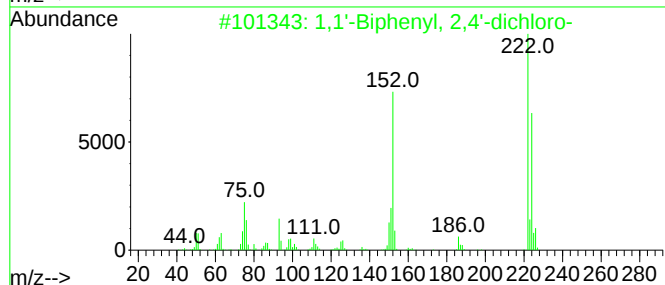
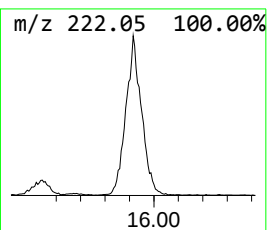
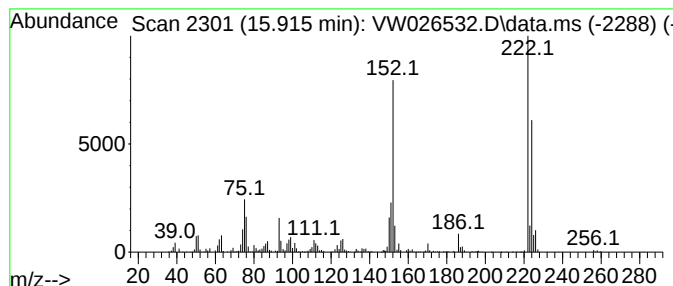
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Quant Title : SFAM01.0

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

Peak Number 8 1,1'-Biphenyl, 2,4'-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	14.71 ug/L	1464310	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99		
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99		
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99		
4	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99		
5	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	99		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026532.D
Acq On : 05 Jul 2023 14:55
Operator : SY/MD
Sample : 03478-10
Misc : 5.05g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK002

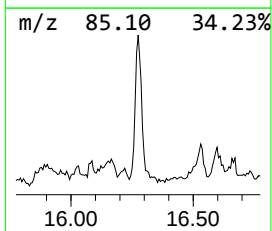
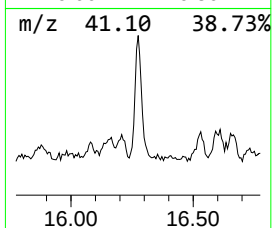
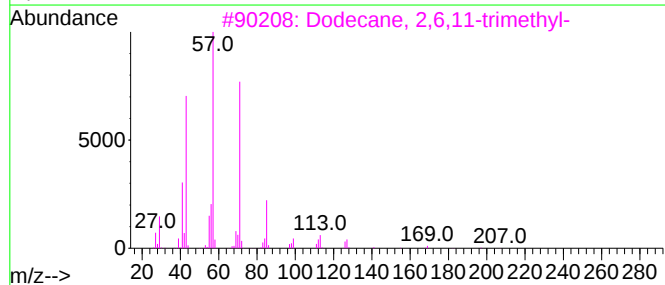
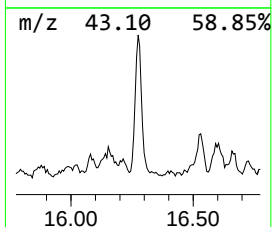
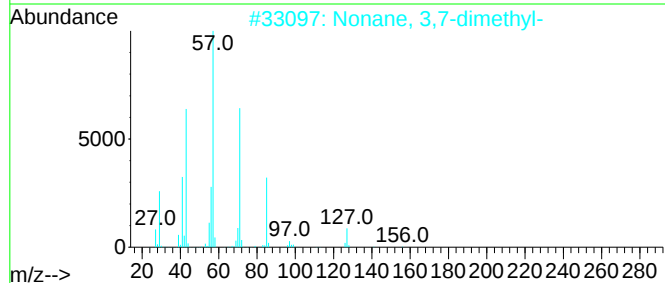
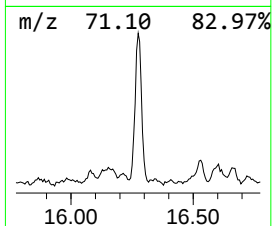
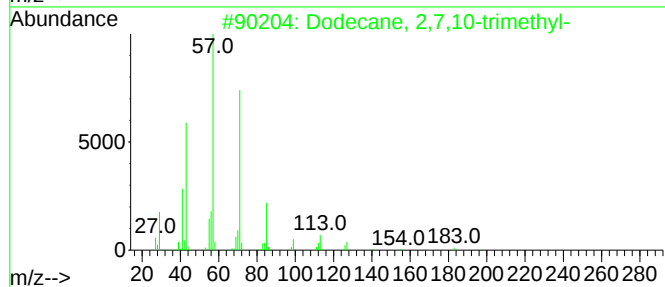
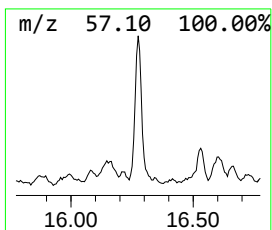
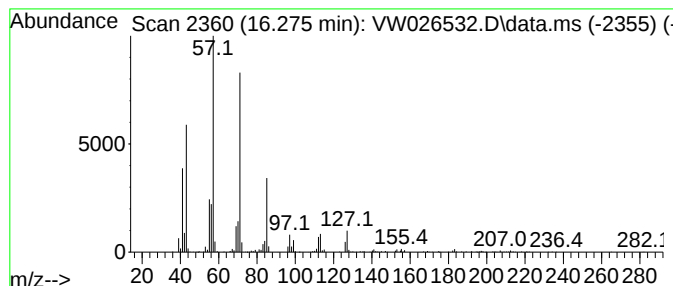
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	4.01 ug/L	399678	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026532.D
Acq On : 05 Jul 2023 14:55
Operator : SY/MD
Sample : 03478-10
Misc : 5.05g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK002

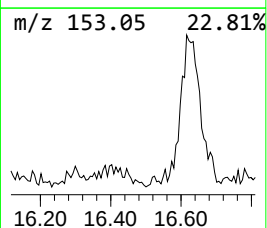
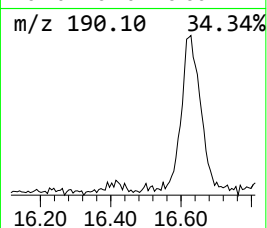
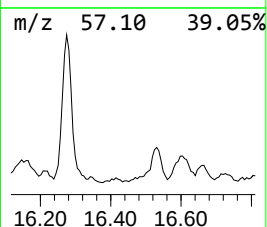
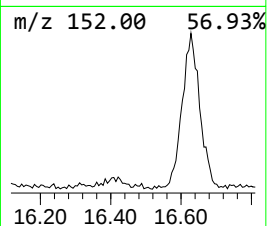
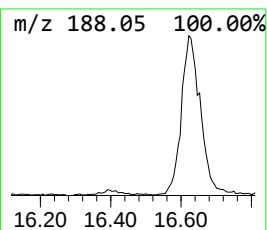
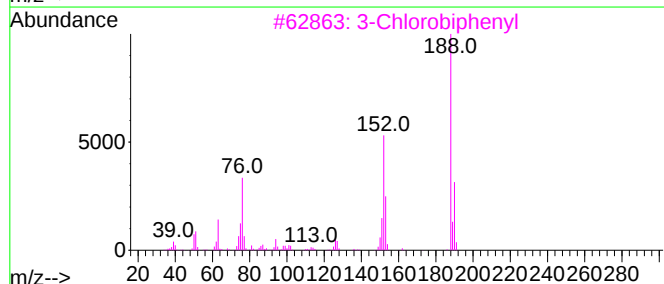
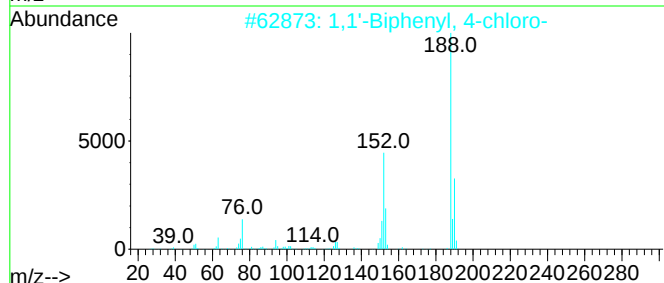
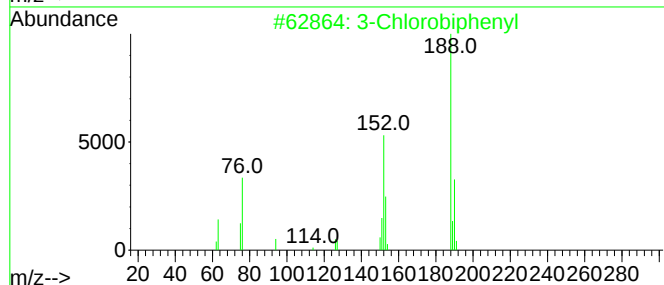
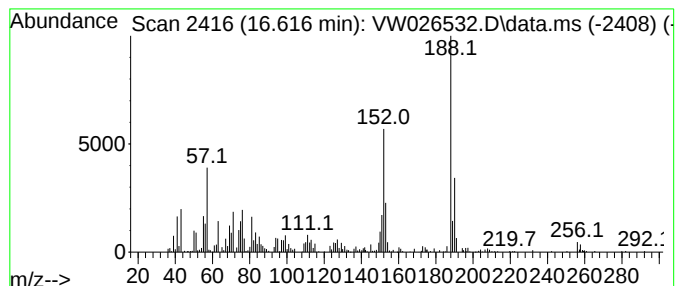
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Quant Title : SFAM01.0

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

Peak Number 10 3-Chlorobiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	3.07 ug/L	305907	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	97
2			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96
3			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	96
4			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
5			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026532.D
Acq On : 05 Jul 2023 14:55
Operator : SY/MD
Sample : 03478-10
Misc : 5.05g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	13.690	5.9	ug/L	583673	3	13.556	2489330	25.0
1,1'-Biphenyl, ...	14.842	62.5	ug/L	6220760	3	13.556	2489330	25.0
(DEL) Alkane: S...	15.318	1.8	ug/L	180714	3	13.556	2489330	25.0
1,1'-Biphenyl, ...	15.915	14.7	ug/L	1464310	3	13.556	2489330	25.0
(DEL) Alkane: S...	16.275	4.0	ug/L	399678	3	13.556	2489330	25.0
3-Chlorobiphenyl	16.616	3.1	ug/L	305907	3	13.556	2489330	25.0