

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026502.D
 Acq On : 01 Jul 2023 04:00
 Operator : SY/MD
 Sample : 03501-08
 Misc : 4.70g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46X3

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\SFAMWLM062923SMA.M
 Title : SFAM01.0

Signal : TIC: VW026502.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.204	43	52	55	rBV2	16762	51243	0.88%	0.162%
2	2.363	72	78	89	rVB	92283	232009	3.98%	0.736%
3	2.655	118	126	131	rBV9	9763	25480	0.44%	0.081%
4	2.814	148	152	158	rBV	9412	16964	0.29%	0.054%
5	2.893	158	165	182	rBV	130667	369322	6.33%	1.171%
6	3.070	192	194	200	rVB7	6041	8735	0.15%	0.028%
7	3.119	200	202	211	rVB8	10910	27504	0.47%	0.087%
8	3.204	214	216	221	rVB6	1312	1876	0.03%	0.006%
9	3.247	221	223	226	rBV4	1315	1877	0.03%	0.006%
10	3.277	226	228	229	rVB2	2183	1557	0.03%	0.005%
11	3.302	229	232	237	rBV7	2804	5173	0.09%	0.016%
12	3.393	240	247	253	rBV6	5140	12458	0.21%	0.039%
13	3.509	263	266	267	rBV3	1735	1519	0.03%	0.005%
14	3.527	267	269	271	rVV3	2540	1914	0.03%	0.006%
15	3.564	271	275	277	rVB5	2204	2378	0.04%	0.008%
16	3.594	277	280	283	rVB5	1971	2630	0.05%	0.008%
17	3.643	286	288	290	rBV3	1671	1893	0.03%	0.006%
18	3.716	297	300	301	rBV3	1355	1644	0.03%	0.005%
19	3.783	309	311	313	rVB3	1891	1631	0.03%	0.005%
20	3.863	318	324	326	rBV6	3864	6797	0.12%	0.022%
21	4.021	336	350	360	rBV2	225793	750390	12.86%	2.379%
22	4.119	360	366	379	rVB	88745	249155	4.27%	0.790%
23	4.283	390	393	395	rVB4	1003	1307	0.02%	0.004%
24	4.369	405	407	408	rBV2	2107	1607	0.03%	0.005%
25	4.393	408	411	412	rVV3	2960	3057	0.05%	0.010%
26	4.588	440	443	444	rBV3	2604	2304	0.04%	0.007%
27	4.606	444	446	449	rVV3	1224	1938	0.03%	0.006%
28	4.661	454	455	457	rBV2	1411	1196	0.02%	0.004%
29	4.698	459	461	462	rVV2	1599	1310	0.02%	0.004%
30	4.716	462	464	468	rVB5	1809	1865	0.03%	0.006%
31	4.759	468	471	475	rBV6	1199	1649	0.03%	0.005%
32	4.923	485	498	508	rBV3	21932	81850	1.40%	0.259%
33	5.027	513	515	517	rVB3	2361	2038	0.03%	0.006%
34	5.064	517	521	522	rBV4	1039	1178	0.02%	0.004%
35	5.173	538	539	545	rVB6	1772	2564	0.04%	0.008%
36	5.234	545	549	551	rBV5	1832	3073	0.05%	0.010%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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 Title : SFAM01.0

37	5.253	551	552	555	rVB3	2601	2045	0.04%	0.006%
38	5.307	559	561	564	rBV4	2078	2718	0.05%	0.009%
39	5.344	564	567	570	rVB5	1931	1946	0.03%	0.006%
40	5.399	573	576	577	rBV3	1533	1444	0.02%	0.005%
41	5.435	577	582	583	rBV4	1777	2660	0.05%	0.008%
42	5.502	590	593	594	rBV3	2265	1460	0.03%	0.005%
43	5.521	594	596	599	rBV4	1152	1683	0.03%	0.005%
44	5.661	616	619	621	rVB4	1156	1352	0.02%	0.004%
45	5.704	621	626	630	rBV8	1473	3056	0.05%	0.010%
46	5.740	630	632	633	rBV2	2213	1536	0.03%	0.005%
47	5.789	638	640	646	rVB7	2264	3852	0.07%	0.012%
48	5.868	649	653	655	rBV5	1086	1556	0.03%	0.005%
49	5.935	657	664	666	rBV8	3421	8073	0.14%	0.026%
50	5.954	666	667	673	rVB6	3974	4395	0.08%	0.014%
51	6.021	676	678	680	rBV3	1551	1374	0.02%	0.004%
52	6.082	686	688	689	rBV2	1921	1317	0.02%	0.004%
53	6.173	700	703	705	rBV4	1187	1251	0.02%	0.004%
54	6.301	722	724	727	rVB4	2101	2436	0.04%	0.008%
55	6.356	730	733	736	rVB5	1828	2189	0.04%	0.007%
56	6.417	740	743	745	rBV4	1233	1388	0.02%	0.004%
57	6.454	745	749	750	rBV4	1870	1789	0.03%	0.006%
58	6.533	760	762	764	rVB3	1983	1777	0.03%	0.006%
59	6.575	767	769	773	rVB4	1158	1263	0.02%	0.004%
60	6.624	773	777	779	rBV4	2113	2916	0.05%	0.009%
61	6.716	790	792	795	rVB4	2129	2335	0.04%	0.007%
62	6.746	795	797	800	rBV4	1725	2120	0.04%	0.007%
63	6.874	817	818	821	rVB3	2264	1823	0.03%	0.006%
64	6.905	821	823	824	rBV2	1825	1484	0.03%	0.005%
65	6.984	834	836	838	rBV3	1695	1831	0.03%	0.006%
66	7.020	841	842	845	rBV3	1153	1237	0.02%	0.004%
67	7.081	845	852	858	rBV2	41976	131406	2.25%	0.417%
68	7.167	862	866	881	rVB	42893	122485	2.10%	0.388%
69	7.350	893	896	897	rBV3	2287	2275	0.04%	0.007%
70	7.453	910	913	914	rBV3	1677	1361	0.02%	0.004%
71	7.533	923	926	929	rVV5	1917	2900	0.05%	0.009%
72	7.563	929	931	933	rVV2	1768	1663	0.03%	0.005%
73	7.648	935	945	956	rVV	424801	1031563	17.68%	3.270%
74	7.722	956	957	958	rBV	2486	1297	0.02%	0.004%
75	7.758	961	963	967	rBV5	2419	3571	0.06%	0.011%
76	7.886	982	984	986	rBV3	1583	1629	0.03%	0.005%

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 Title : SFAM01.0

77	7.904	986	987	989	rBV2	1792	1610	0.03%	0.005%
78	7.965	995	997	1001	rVB5	2143	1936	0.03%	0.006%
79	8.081	1015	1016	1017	rBV	2709	1166	0.02%	0.004%
80	8.148	1025	1027	1029	rBV3	2302	2259	0.04%	0.007%
81	8.276	1039	1048	1061	rBV2	839291	2442668	41.88%	7.744%
82	8.691	1114	1116	1117	rBV2	3607	2579	0.04%	0.008%
83	8.843	1132	1141	1151	rBV	942486	1899028	32.56%	6.020%
84	9.270	1204	1211	1221	rBV	582024	1211410	20.77%	3.840%
85	10.032	1331	1336	1343	rBV	233481	412198	7.07%	1.307%
86	10.325	1377	1384	1391	rBV	1285223	2285936	39.19%	7.247%
87	10.575	1420	1425	1432	rBV	128925	227326	3.90%	0.721%
88	10.928	1477	1483	1494	rBV5	208303	558447	9.57%	1.770%
89	11.629	1592	1598	1606	rVB	1232871	2022590	34.67%	6.412%
90	12.690	1767	1772	1782	rVB	365964	618267	10.60%	1.960%
91	12.995	1806	1822	1853	rVB3	779996	5832999	100.00%	18.492%
92	13.275	1862	1868	1876	rVB4	112226	330258	5.66%	1.047%
93	13.556	1909	1914	1924	rVB	677721	1196042	20.50%	3.792%
94	13.849	1957	1962	1971	rBV	483214	984687	16.88%	3.122%
95	14.854	2115	2127	2145	rVB	1489395	4911032	84.19%	15.569%
96	15.318	2198	2203	2210	rBV	171675	283833	4.87%	0.900%
97	15.915	2288	2301	2323	rBV4	411680	2154420	36.94%	6.830%
98	16.275	2354	2360	2368	rVB	313332	561239	9.62%	1.779%
99	16.531	2397	2402	2406	rVB2	69883	118966	2.04%	0.377%
100	16.604	2407	2414	2420	rBV6	73646	234890	4.03%	0.745%

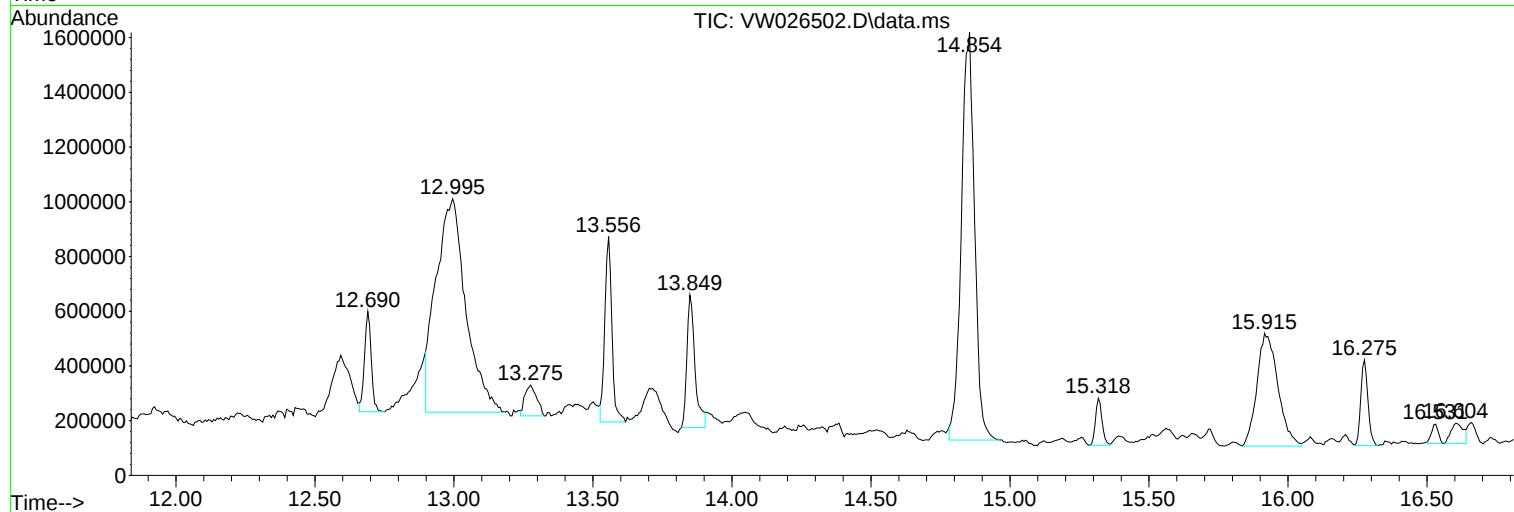
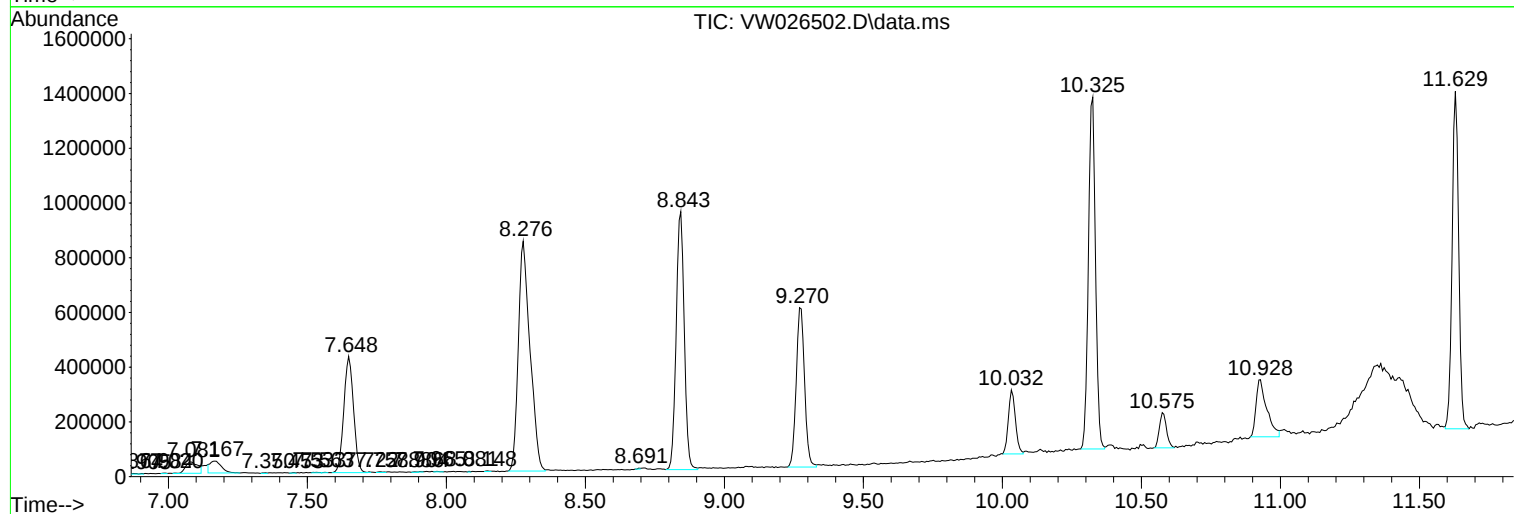
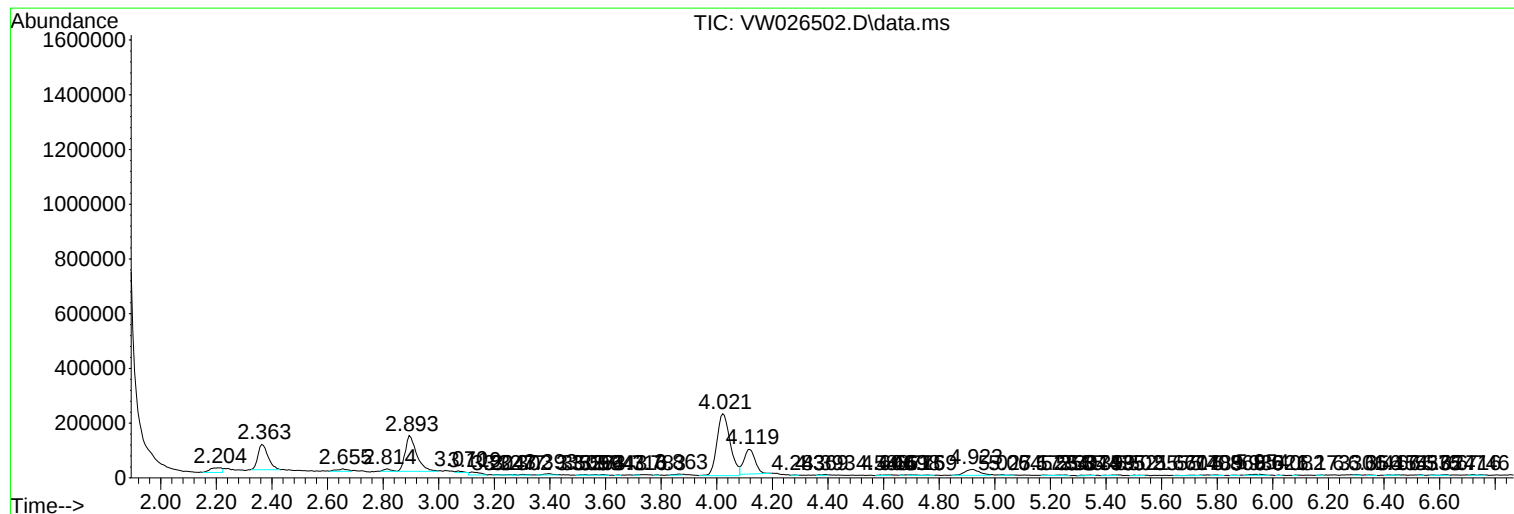
Sum of corrected areas: 31543327

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Instrument :
MSVOA_W
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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



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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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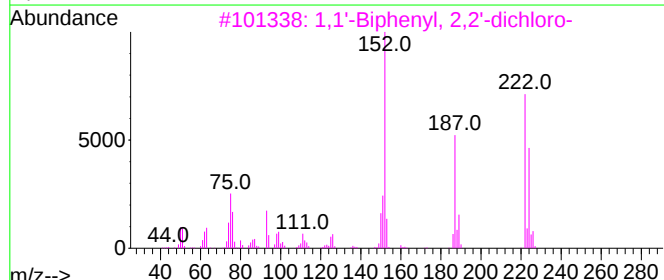
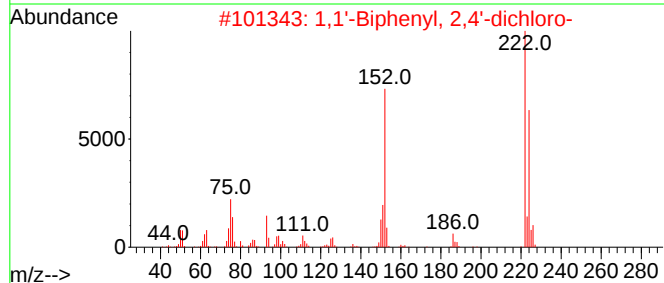
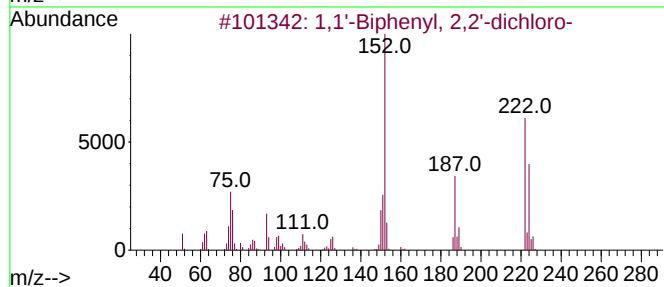
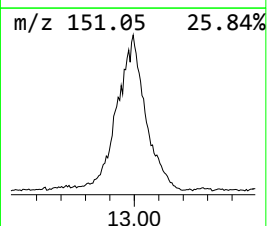
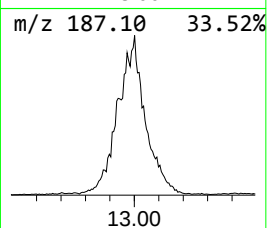
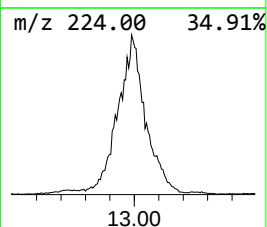
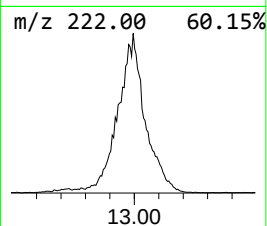
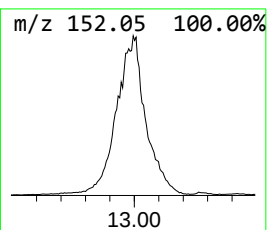
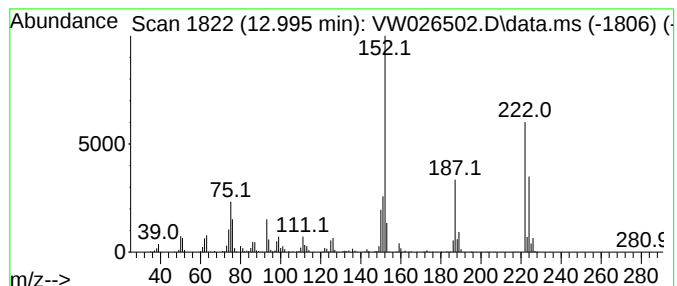
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.995	121.92 ug/L	5833000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99		
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98		
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98		
4	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	98		
5	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	96		



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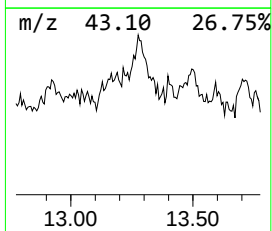
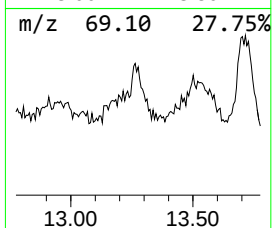
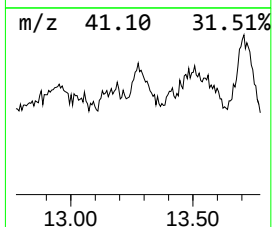
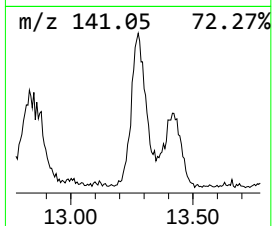
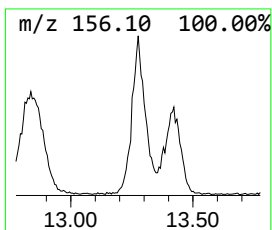
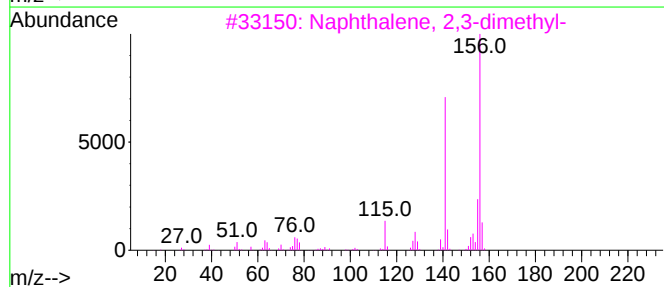
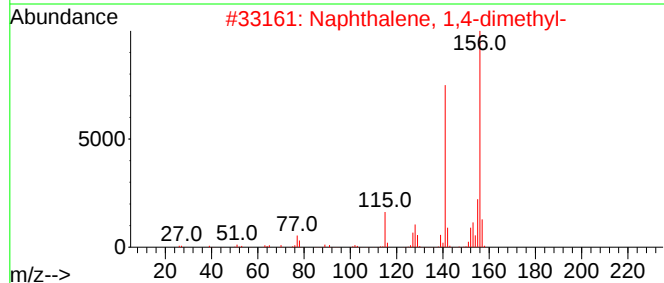
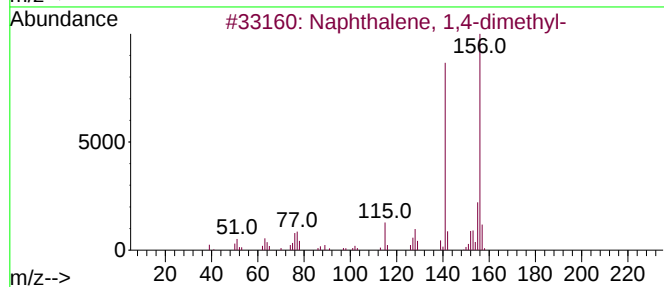
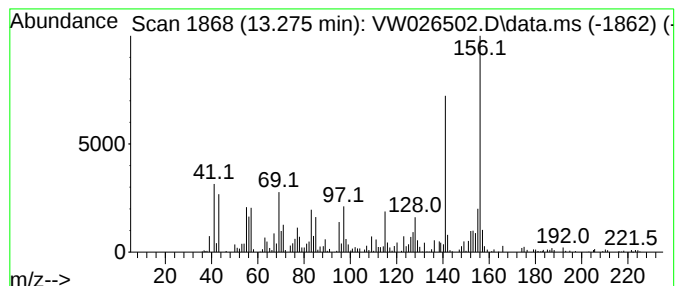
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Quant Title : SFAM01.0

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

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.275	6.90 ug/L	330258	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	76



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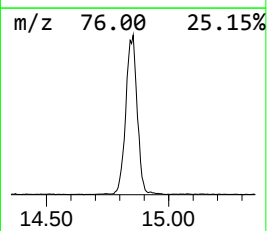
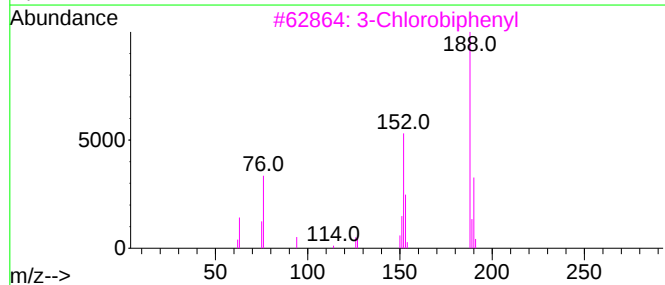
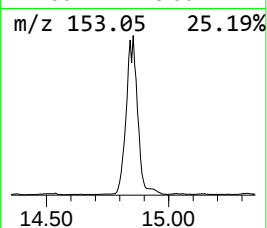
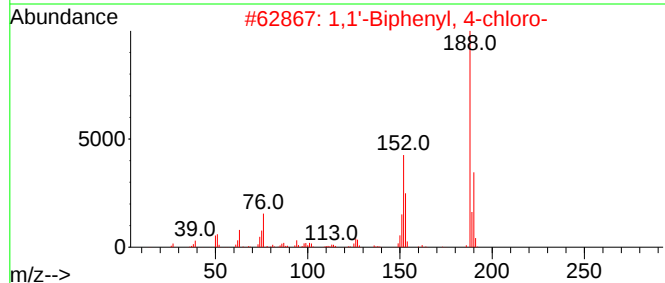
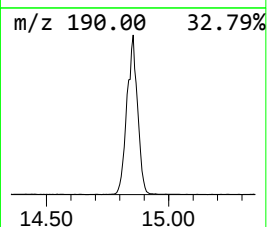
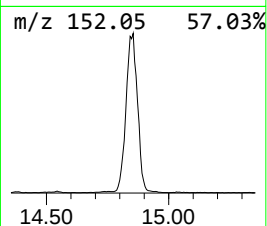
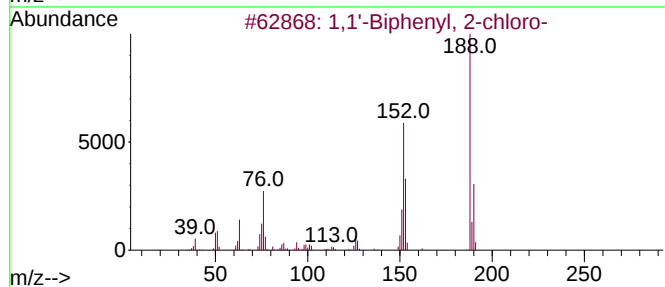
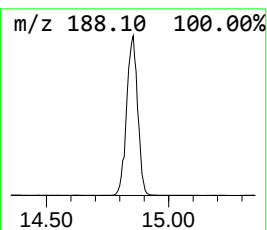
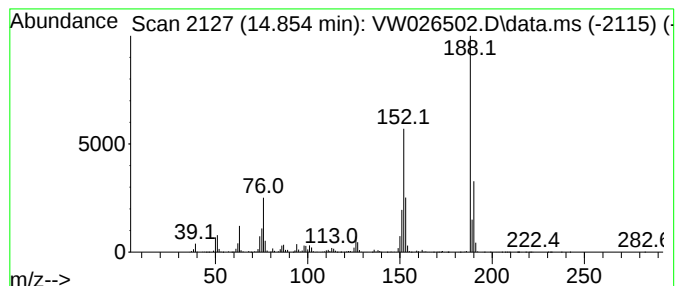
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Quant Title : SFAM01.0

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

Peak Number 4 1,1'-Biphenyl, 2-chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.855	102.65 ug/L	4911030	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	98
2	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	98
3	3-Chlorobiphenyl			188	C12H9Cl	002051-61-8	96
4	3-Chlorobiphenyl			188	C12H9Cl	002051-61-8	96
5	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

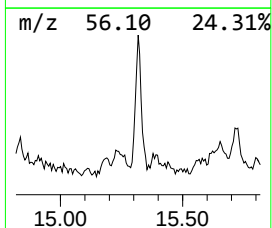
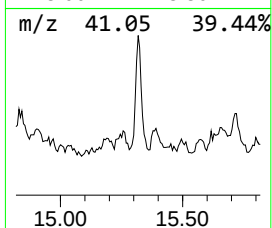
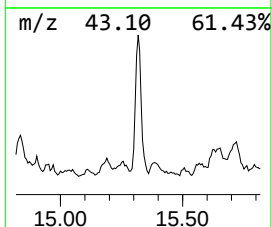
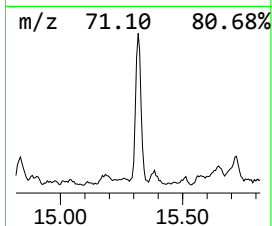
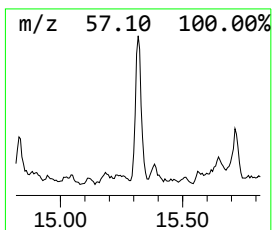
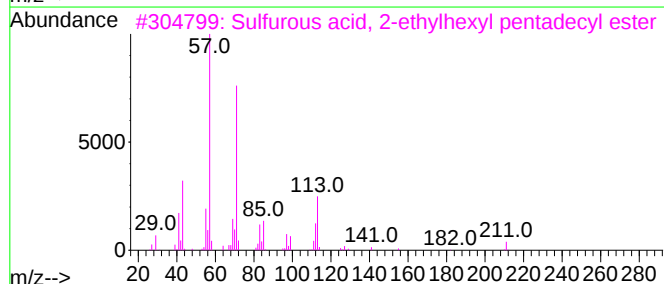
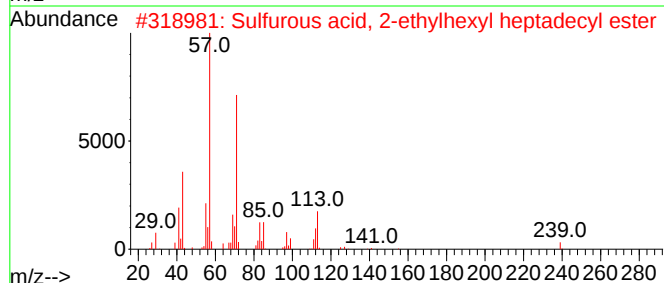
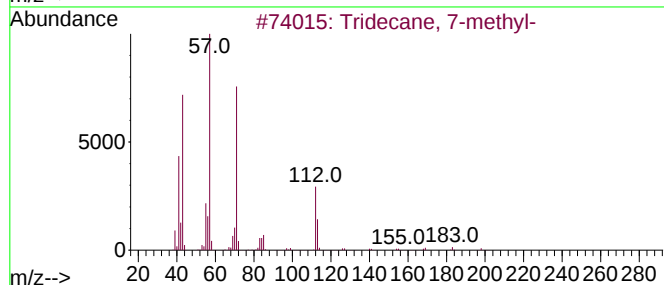
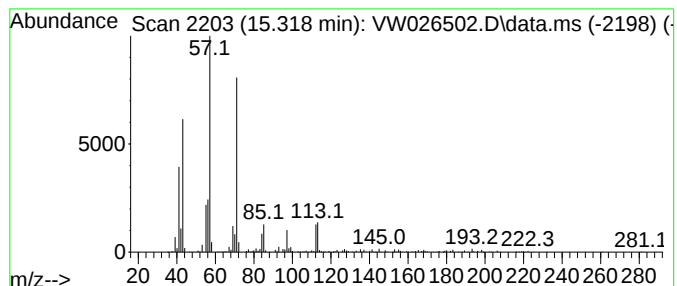
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	5.93 ug/L	283833	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
2			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	80
3			Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	72
4			Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

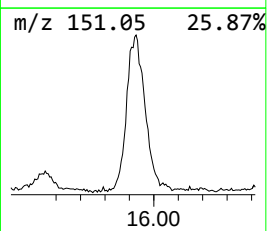
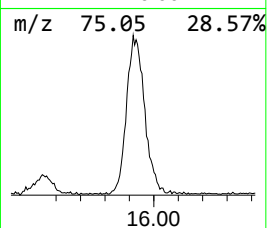
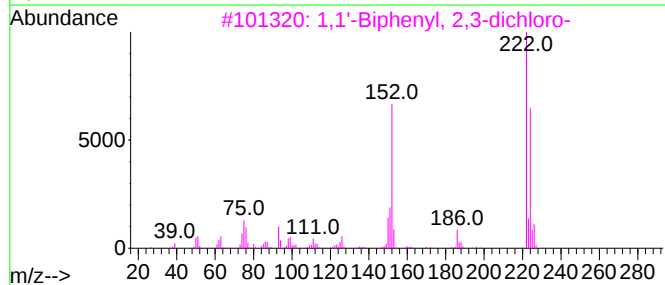
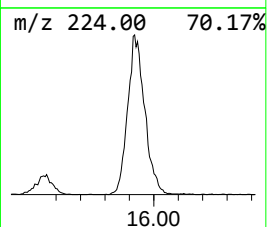
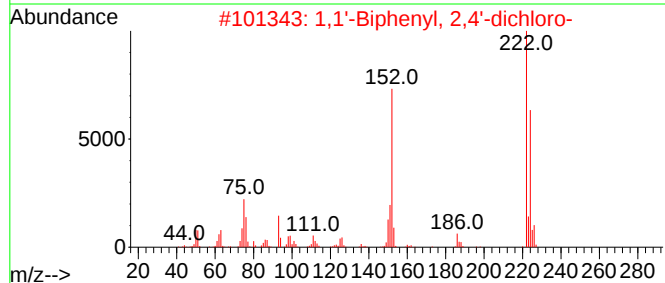
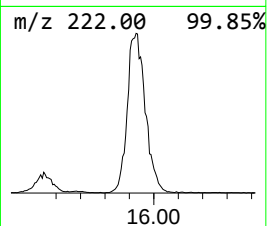
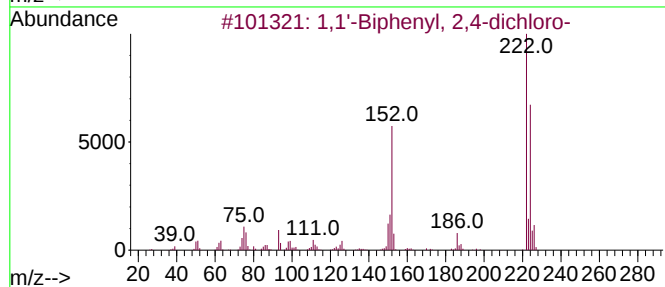
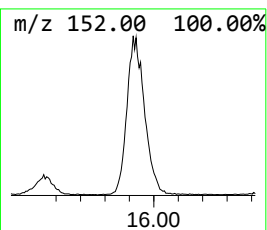
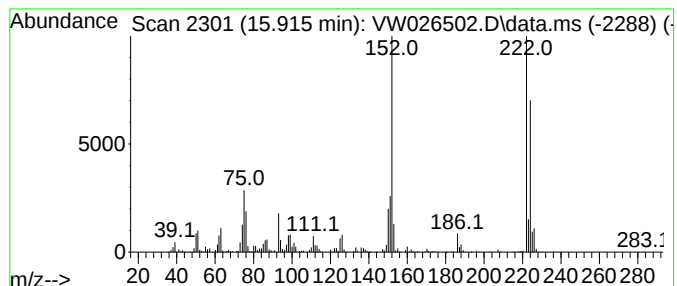
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Quant Title : SFAM01.0

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

Peak Number 6 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	45.03 ug/L	2154420	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99		
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99		
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99		
4	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99		
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	99		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

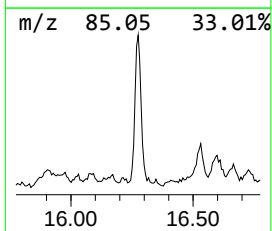
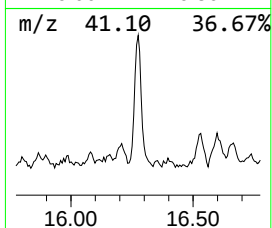
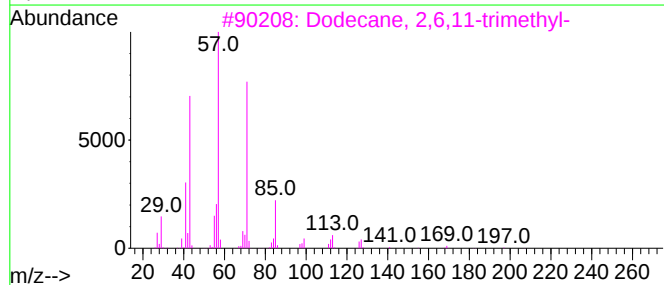
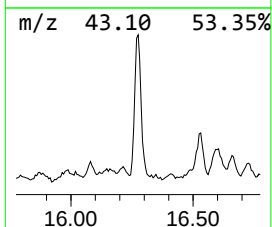
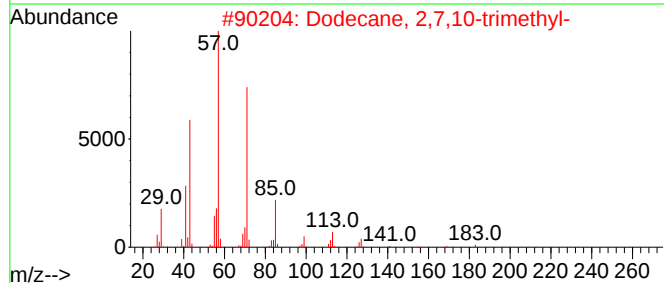
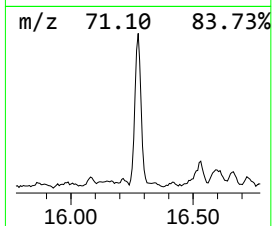
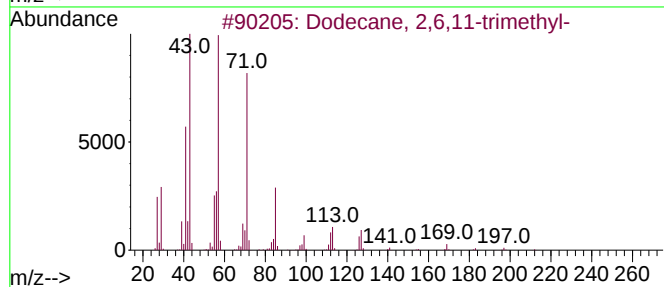
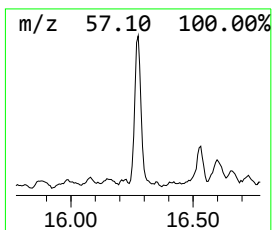
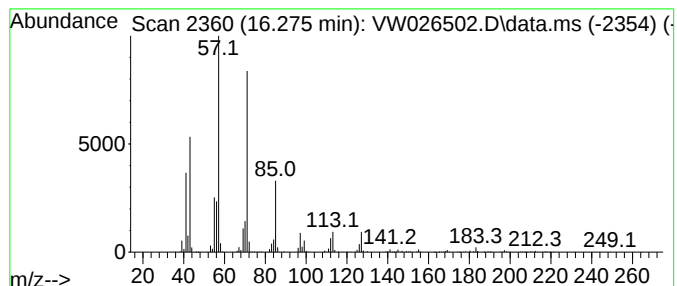
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	11.73 ug/L	561239	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	94
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

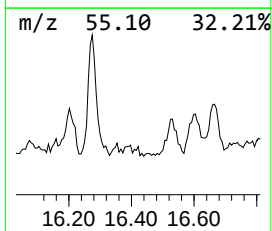
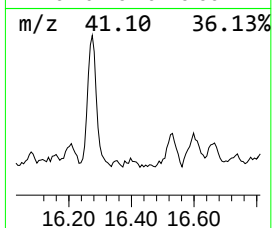
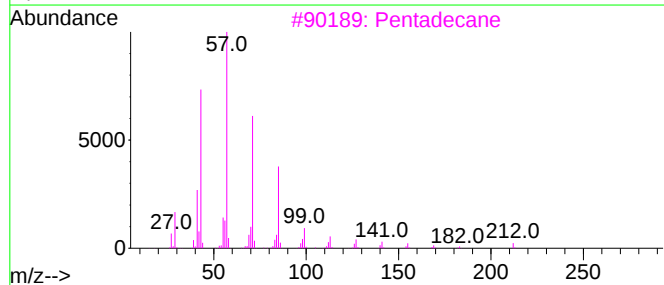
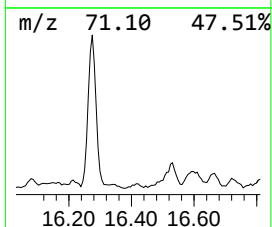
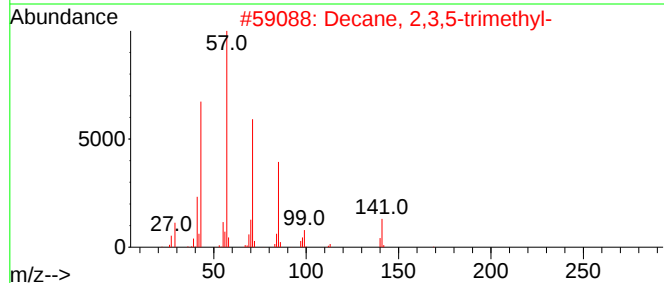
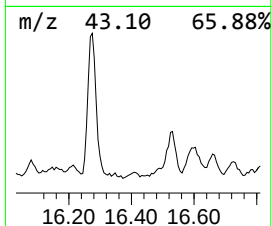
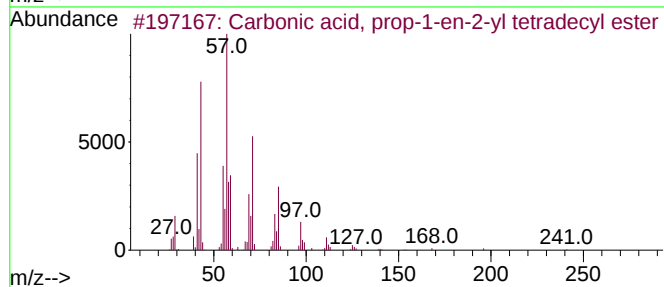
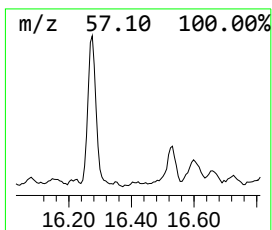
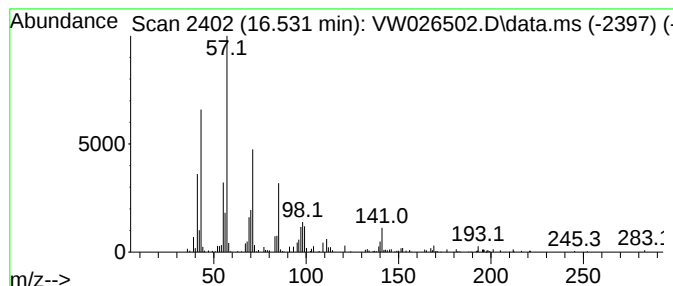
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Quant Title : SFAM01.0

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

Peak Number 8 Carbonic acid, prop-1-en-2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.531	2.49 ug/L	118966	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	72
2			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3			Pentadecane	212	C15H32	000629-62-9	62
4			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	59
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

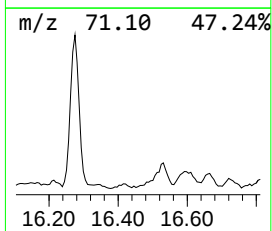
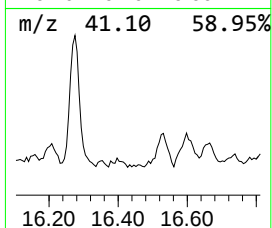
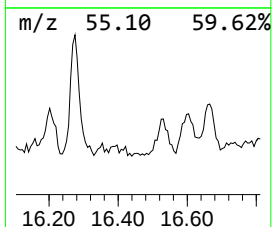
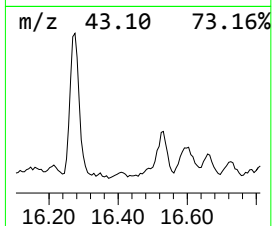
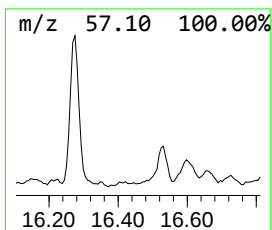
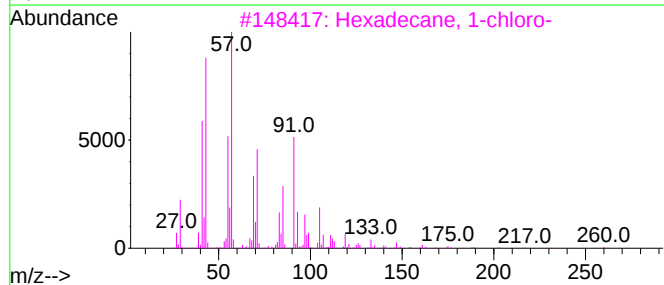
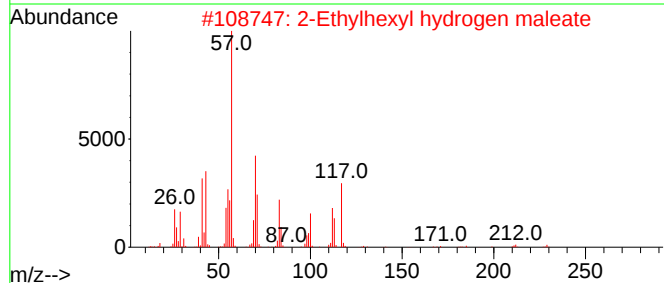
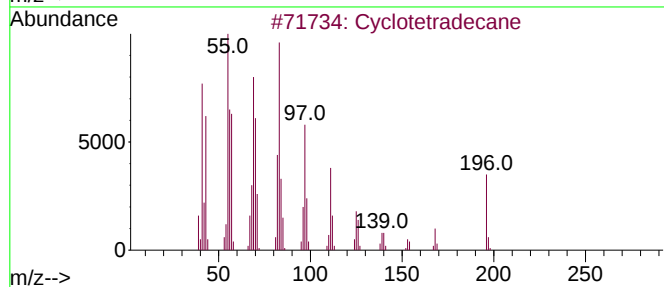
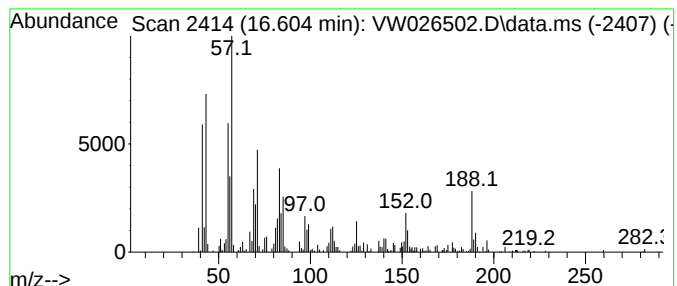
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic16.604 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.604	4.91 ug/L	234890	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetradecane	196	C14H28	000295-17-0	46
2			2-Ethylhexyl hydrogen maleate	228	C12H20O4	002370-71-0	46
3			Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	38
4			Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	38
5			Eicosane	282	C20H42	000112-95-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026502.D
Acq On : 01 Jul 2023 04:00
Operator : SY/MD
Sample : 03501-08
Misc : 4.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.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
1,1'-Biphenyl, ...	12.995	121.9	ug/L	5833000	3	13.556	1196040	25.0
Naphthalene, 1,...	13.275	6.9	ug/L	330258	3	13.556	1196040	25.0
1,1'-Biphenyl, ...	14.855	102.7	ug/L	4911030	3	13.556	1196040	25.0
(DEL) Alkane: S...	15.318	5.9	ug/L	283833	3	13.556	1196040	25.0
1,1'-Biphenyl, ...	15.915	45.0	ug/L	2154420	3	13.556	1196040	25.0
(DEL) Alkane: S...	16.275	11.7	ug/L	561239	3	13.556	1196040	25.0
Carbonic acid, ...	16.531	2.5	ug/L	118966	3	13.556	1196040	25.0
(DEL) Alkane: C...	16.604	4.9	ug/L	234890	3	13.556	1196040	25.0