

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026789.D
 Acq On : 21 Aug 2023 14:04
 Operator : SY/MD
 Sample : 04037-13
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH2

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026789.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.174	39	47	52	rBV3	36259	77174	2.30%	0.306%
2	2.363	71	78	99	rVV	95560	318794	9.52%	1.263%
3	2.893	157	165	178	rBV	101136	310139	9.26%	1.228%
4	3.393	240	247	254	rBV2	9658	25475	0.76%	0.101%
5	4.027	338	351	382	rBV	253080	988315	29.51%	3.914%
6	4.393	401	411	424	rBV	23047	80783	2.41%	0.320%
7	4.923	487	498	519	rBV6	40727	219219	6.55%	0.868%
8	5.429	572	581	592	rBV4	12695	45384	1.36%	0.180%
9	5.783	625	639	648	rVB8	7502	27212	0.81%	0.108%
10	5.941	652	665	679	rVB3	23183	72882	2.18%	0.289%
11	6.228	701	712	719	rBV2	8965	29789	0.89%	0.118%
12	6.880	811	819	826	rBV6	3117	10610	0.32%	0.042%
13	6.990	826	837	843	rBV3	14857	43090	1.29%	0.171%
14	7.075	843	851	873	rVB	109884	351894	10.51%	1.394%
15	7.648	933	945	961	rBV	542117	1400281	41.81%	5.545%
16	7.862	970	980	985	rBV8	11882	34805	1.04%	0.138%
17	7.935	985	992	993	rBV3	20053	39181	1.17%	0.155%
18	8.026	1003	1007	1017	rVB3	19561	52248	1.56%	0.207%
19	8.154	1019	1028	1035	rBV	46649	103527	3.09%	0.410%
20	8.276	1035	1048	1066	rVV2	1128769	3349028	100.00%	13.263%
21	8.429	1066	1073	1080	rVV4	19487	53499	1.60%	0.212%
22	8.514	1080	1087	1091	rVV4	16231	41301	1.23%	0.164%
23	8.575	1091	1097	1106	rVB5	33955	86013	2.57%	0.341%
24	8.697	1109	1117	1130	rVB	37602	88674	2.65%	0.351%
25	8.843	1131	1141	1153	rBV	1064067	2150628	64.22%	8.517%
26	9.081	1172	1180	1194	rVB	52531	126773	3.79%	0.502%
27	9.276	1202	1212	1218	rBV	760602	1597210	47.69%	6.325%
28	9.331	1218	1221	1227	rVV2	131789	256355	7.65%	1.015%
29	9.380	1227	1229	1236	rVB3	20981	36060	1.08%	0.143%
30	9.514	1243	1251	1257	rBV4	15696	32256	0.96%	0.128%
31	9.605	1257	1266	1272	rBV3	25048	55955	1.67%	0.222%
32	9.685	1272	1279	1283	rBV8	8293	19302	0.58%	0.076%
33	9.752	1283	1290	1296	rVB2	41612	76060	2.27%	0.301%
34	9.898	1303	1314	1318	rBV5	20437	46407	1.39%	0.184%
35	9.953	1318	1323	1327	rBV	35871	63461	1.89%	0.251%
36	10.032	1330	1336	1342	rVV	376224	690541	20.62%	2.735%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	10.093	1342	1346	1357	rVB3	48821	134019	4.00%	0.531%
38	10.209	1358	1365	1368	rBV7	7680	16793	0.50%	0.067%
39	10.325	1376	1384	1390	rBV	1311813	2394229	71.49%	9.482%
40	10.386	1390	1394	1406	rVB	225314	419499	12.53%	1.661%
41	10.501	1406	1413	1419	rVB3	62240	131750	3.93%	0.522%
42	10.575	1419	1425	1435	rBV	246319	461309	13.77%	1.827%
43	10.666	1435	1440	1444	rBV2	34153	58703	1.75%	0.232%
44	10.757	1450	1455	1466	rVB8	22940	54463	1.63%	0.216%
45	10.843	1466	1469	1474	rVB6	9988	15630	0.47%	0.062%
46	10.922	1476	1482	1492	rBV	321680	566835	16.93%	2.245%
47	11.032	1495	1500	1503	rBV3	13454	22511	0.67%	0.089%
48	11.111	1508	1513	1515	rBV4	7009	12355	0.37%	0.049%
49	11.178	1519	1524	1527	rVB2	25475	36302	1.08%	0.144%
50	11.227	1527	1532	1538	rVB	48603	80772	2.41%	0.320%
51	11.282	1538	1541	1546	rVB4	9513	13687	0.41%	0.054%
52	11.337	1546	1550	1554	rVB2	18665	25922	0.77%	0.103%
53	11.404	1554	1561	1564	rBV3	18395	45222	1.35%	0.179%
54	11.507	1573	1578	1585	rBV	27836	47520	1.42%	0.188%
55	11.629	1591	1598	1609	rBV	1115499	1901739	56.78%	7.531%
56	11.727	1609	1614	1623	rBV	66607	123161	3.68%	0.488%
57	11.837	1623	1632	1642	rBV2	118906	271364	8.10%	1.075%
58	11.977	1650	1655	1659	rBV7	6585	11074	0.33%	0.044%
59	12.166	1673	1686	1693	rBV2	57188	156396	4.67%	0.619%
60	12.251	1694	1700	1704	rVB4	20312	38545	1.15%	0.153%
61	12.361	1704	1718	1725	rBV5	33955	129073	3.85%	0.511%
62	12.465	1729	1735	1739	rBV5	21929	44492	1.33%	0.176%
63	12.605	1753	1758	1763	rVB4	15595	30381	0.91%	0.120%
64	12.690	1766	1772	1778	rBV	473329	769573	22.98%	3.048%
65	12.751	1778	1782	1784	rBV2	9390	14042	0.42%	0.056%
66	12.861	1795	1800	1804	rBV	38101	66299	1.98%	0.263%
67	12.897	1804	1806	1807	rVV	17710	17098	0.51%	0.068%
68	12.934	1807	1812	1818	rVB3	51064	107894	3.22%	0.427%
69	13.099	1832	1839	1845	rBV3	19869	47833	1.43%	0.189%
70	13.160	1845	1849	1856	rVB4	17810	30247	0.90%	0.120%
71	13.251	1858	1864	1869	rBV	60263	106090	3.17%	0.420%
72	13.440	1892	1895	1898	rBV3	9864	14128	0.42%	0.056%
73	13.477	1899	1901	1906	rVV4	10040	16951	0.51%	0.067%
74	13.556	1908	1914	1923	rVB	600381	974410	29.10%	3.859%
75	13.702	1934	1938	1941	rBV6	7095	12747	0.38%	0.050%
76	13.751	1942	1946	1949	rVV2	17563	27542	0.82%	0.109%

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 Title : SFAM01.0

77	13.787	1949	1952	1956	rVV3	19060	29046	0.87%	0.115%
78	13.848	1956	1962	1970	rVV	463813	861803	25.73%	3.413%
79	14.031	1985	1992	1995	rBV5	21789	55939	1.67%	0.222%
80	14.086	1999	2001	2006	rVB	27104	36312	1.08%	0.144%
81	14.202	2014	2020	2024	rBV3	29460	58202	1.74%	0.230%
82	14.263	2025	2030	2036	rBV8	25768	73985	2.21%	0.293%
83	14.385	2046	2050	2053	rBV4	27383	39099	1.17%	0.155%
84	14.415	2053	2055	2058	rVV3	21013	30613	0.91%	0.121%
85	14.452	2058	2061	2065	rVV	43995	56277	1.68%	0.223%
86	14.495	2065	2068	2071	rVV4	25451	31953	0.95%	0.127%
87	14.543	2072	2076	2082	rVB6	27720	49912	1.49%	0.198%
88	14.714	2097	2104	2110	rBV2	104699	173598	5.18%	0.687%
89	14.787	2111	2116	2120	rVV2	87216	166049	4.96%	0.658%
90	14.830	2120	2123	2131	rVB2	72955	145652	4.35%	0.577%
91	15.062	2157	2161	2166	rBV5	27961	48273	1.44%	0.191%
92	15.244	2187	2191	2197	rVB7	29591	66636	1.99%	0.264%
93	15.318	2198	2203	2207	rBV2	79597	129670	3.87%	0.514%
94	15.543	2236	2240	2249	rVB2	104163	191163	5.71%	0.757%
95	15.720	2266	2269	2276	rVB3	28404	48334	1.44%	0.191%
96	16.165	2333	2342	2346	rBV3	18141	60571	1.81%	0.240%
97	16.275	2355	2360	2369	rVB	42877	83892	2.50%	0.332%
98	16.433	2381	2386	2390	rBV2	49102	103971	3.10%	0.412%
99	16.482	2391	2394	2400	rVB	54886	86071	2.57%	0.341%
100	16.634	2413	2419	2429	rVB	63712	175036	5.23%	0.693%

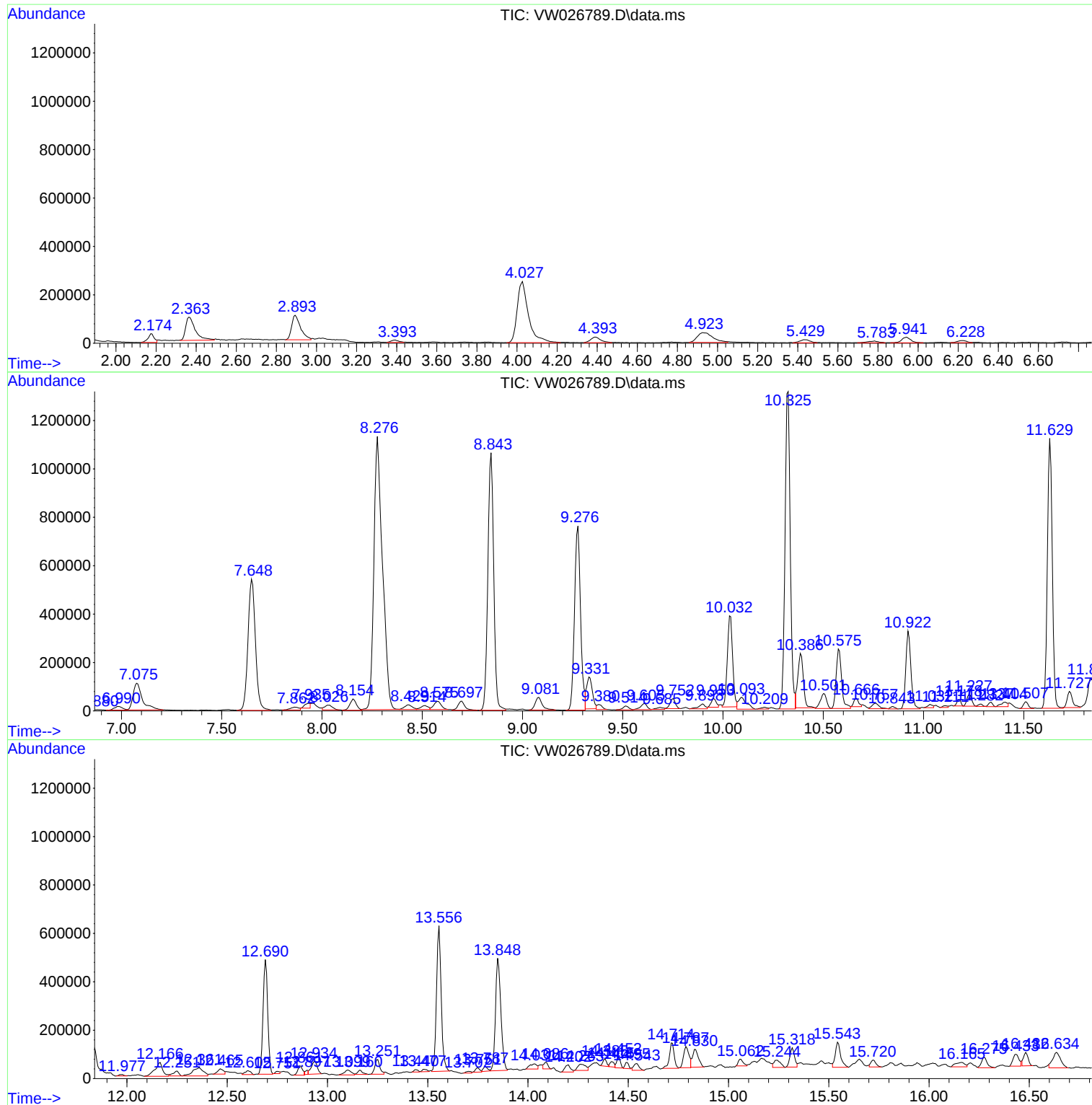
Sum of corrected areas: 25250982

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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 :
MSVOA_W
ClientSampleId :
EZYH2

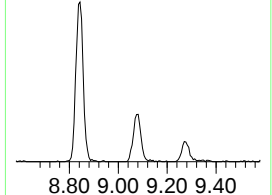
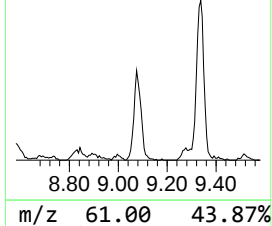
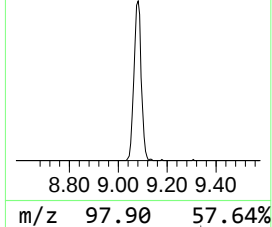
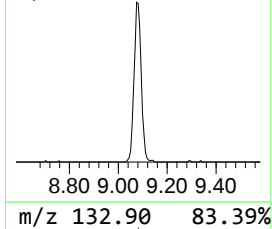
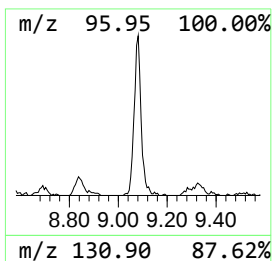
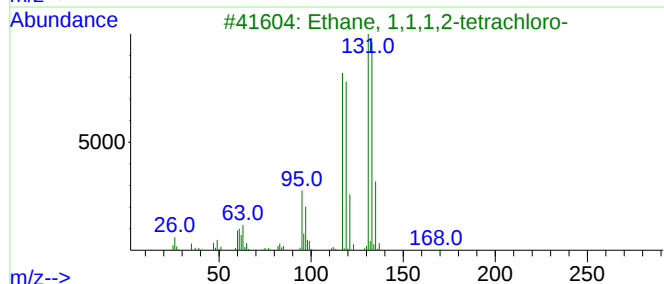
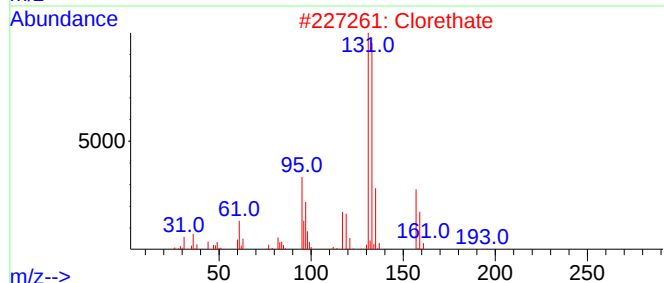
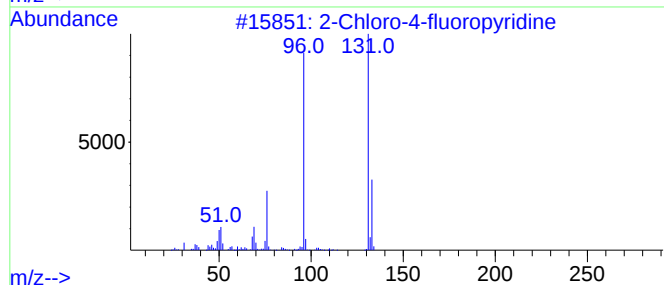
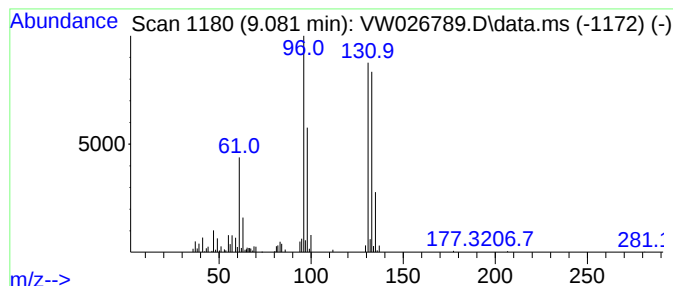
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.081	1.47 ug/L	126773	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Chloro-4-fluoropyridine	131	C5H3ClFN	1000484-44-8	43
2		Cloethate	322	C5H4Cl6O3	005634-37-7	38
3		Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	37
4		Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	35
5		4-Chloro-3-fluoropyridine	131	C5H3ClFN	002546-56-7	30



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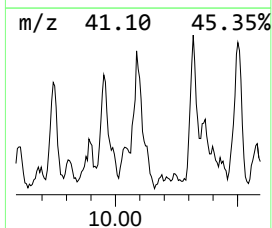
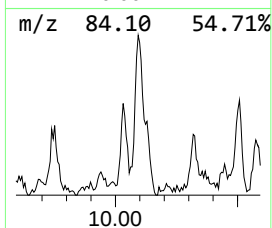
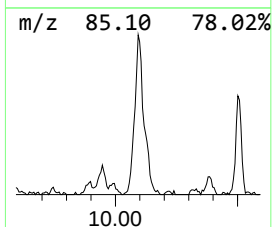
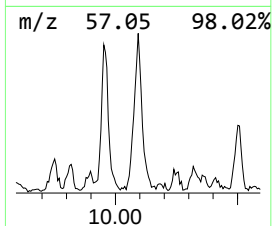
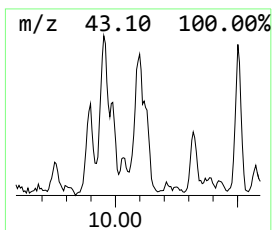
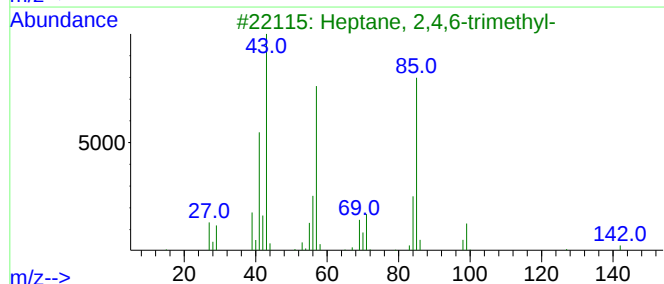
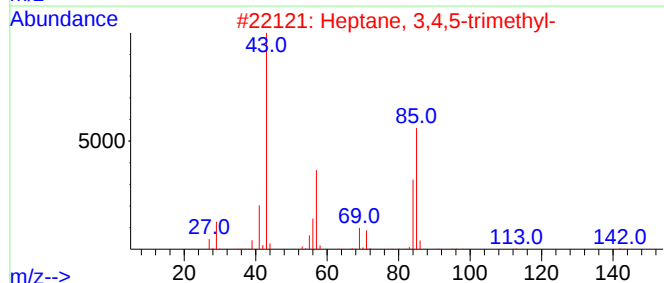
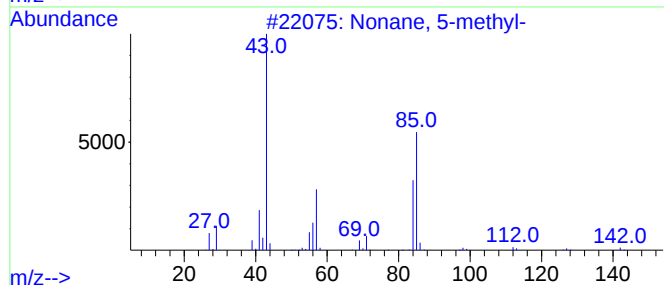
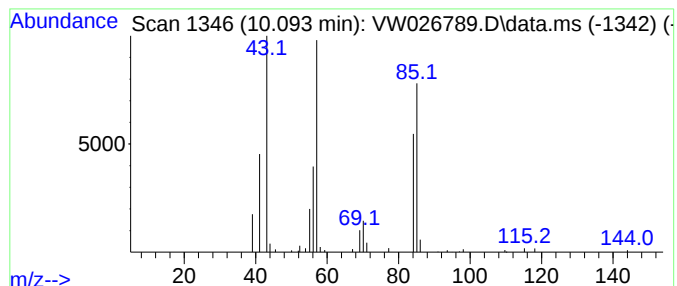
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.093	1.56 ug/L	134019	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-methyl-	142	C10H22	015869-85-9	78
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
3	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64



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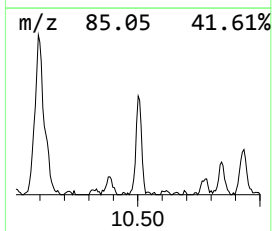
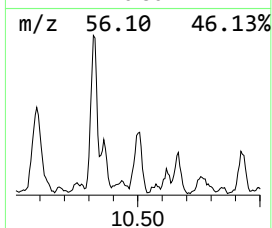
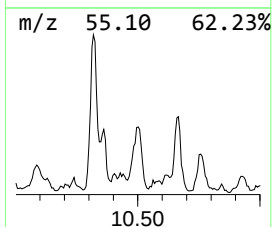
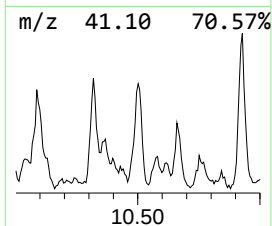
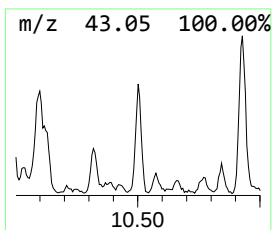
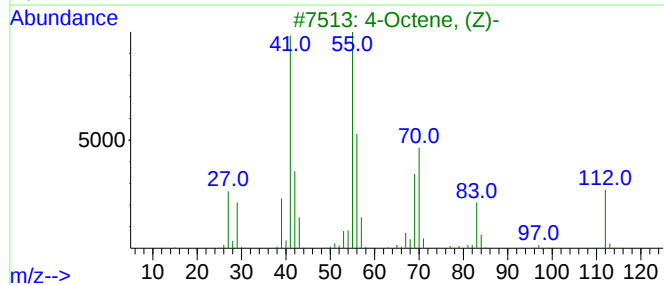
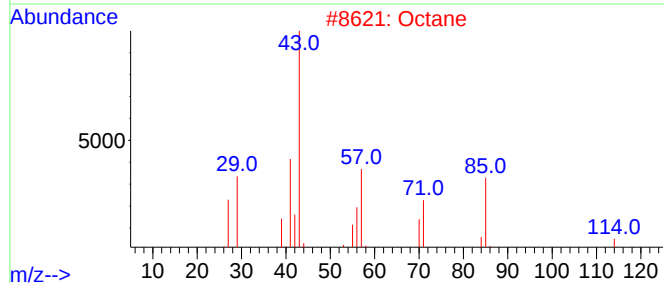
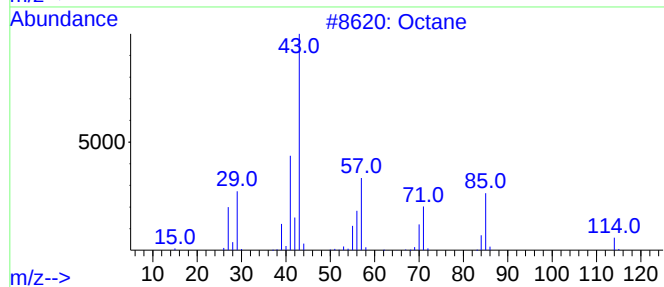
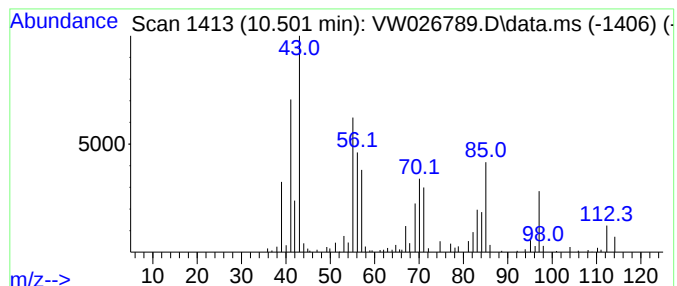
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.501	1.73 ug/L	131750	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	49
2	Octane	114	C8H18	000111-65-9	46
3	4-Octene, (Z)-	112	C8H16	007642-15-1	46
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

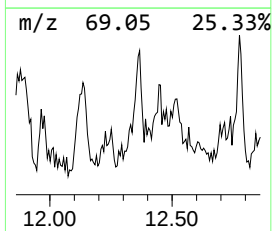
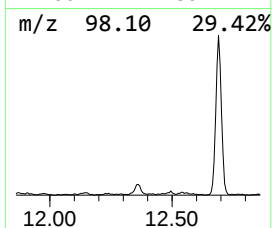
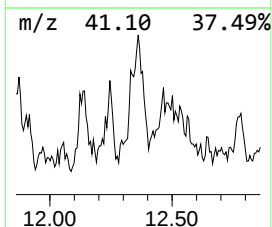
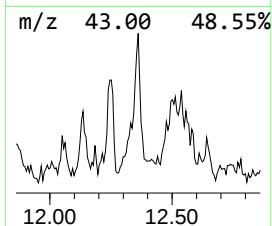
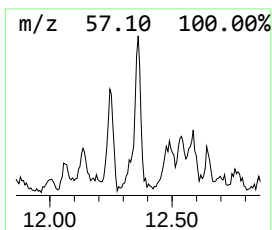
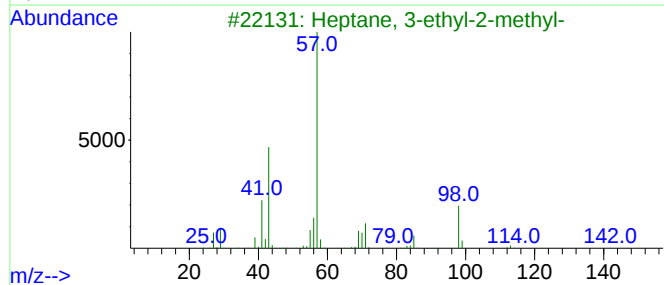
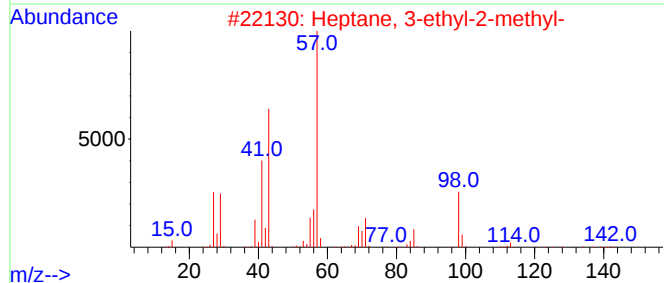
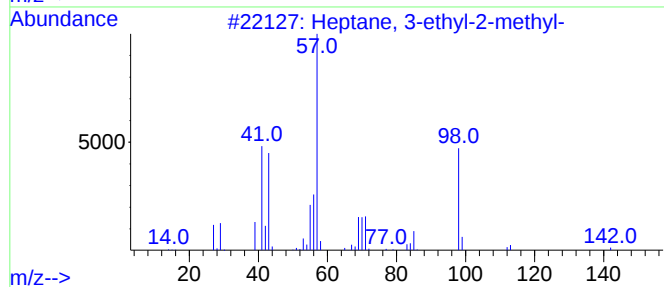
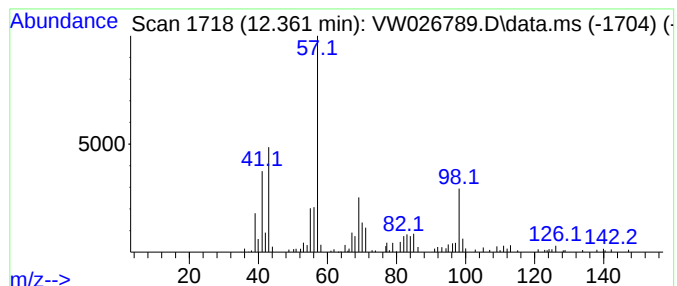
Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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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 15

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.361	1.70 ug/L	129073	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	70
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	53
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	53
4	Octane, 3-methyl-		128	C9H20	002216-33-3	53
5	Heptane, 4-propyl-		142	C10H22	003178-29-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

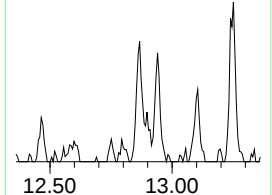
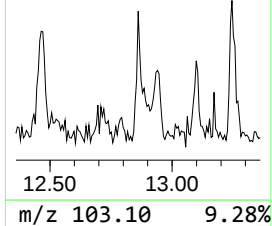
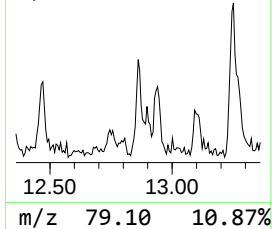
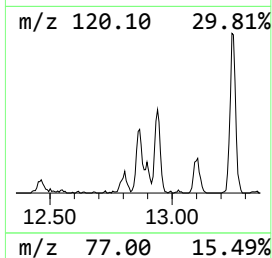
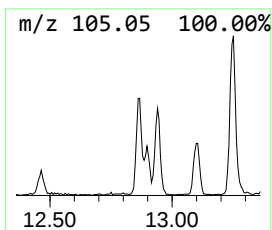
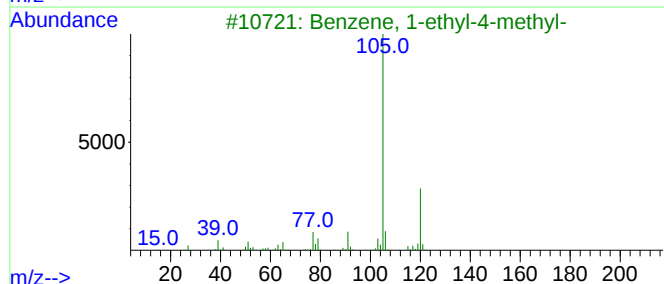
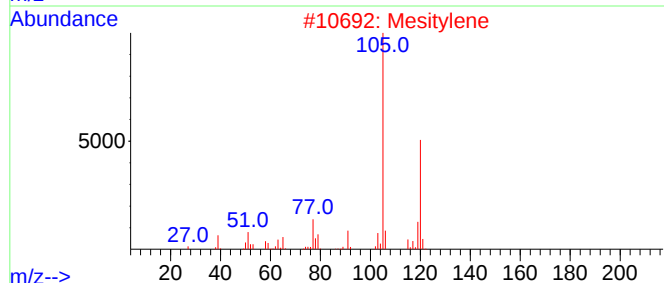
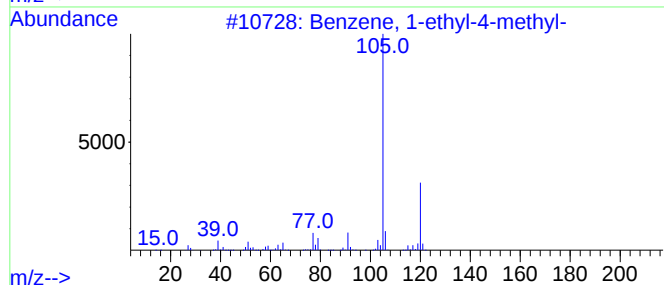
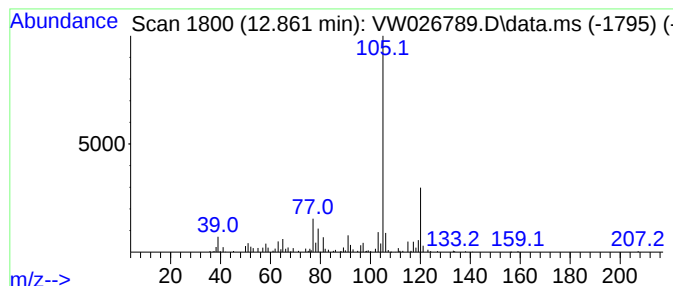
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Quant Title : SFAM01.0

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

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	1.70 ug/L	66299	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
2			Mesitylene	120	C9H12	000108-67-8	90
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

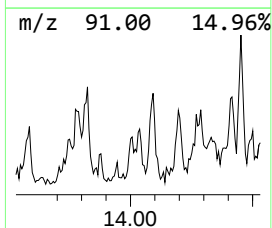
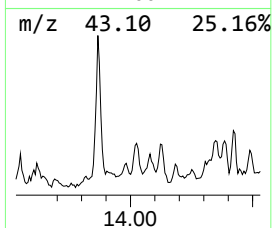
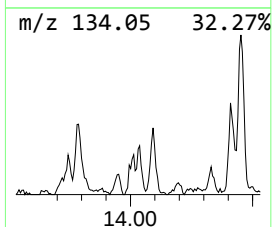
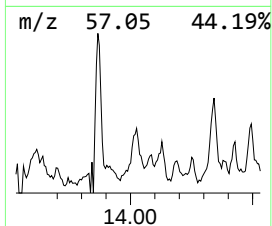
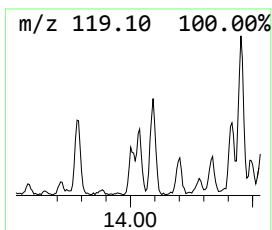
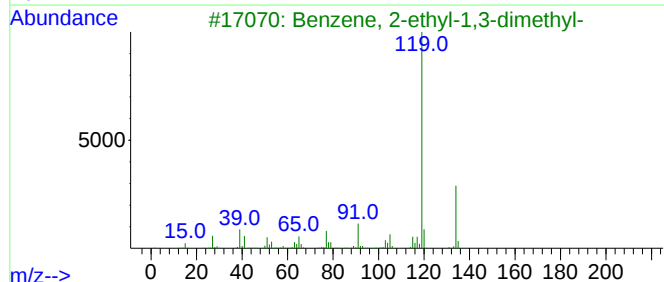
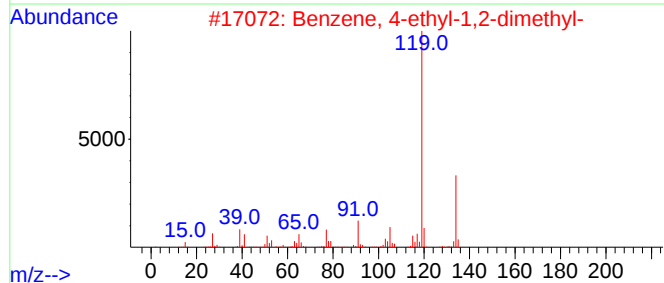
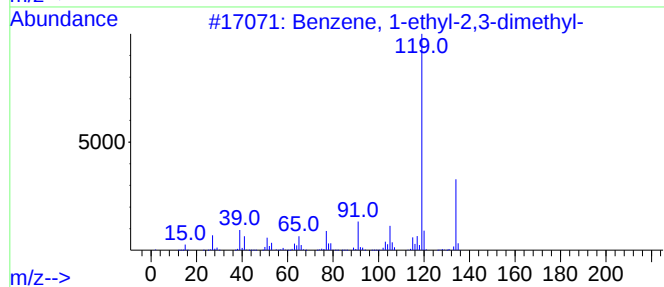
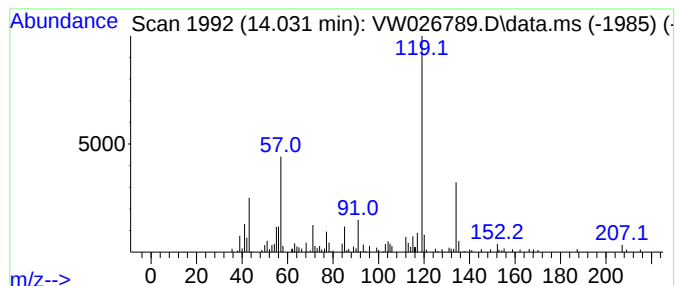
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Quant Title : SFAM01.0

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

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.031	1.44 ug/L	55939	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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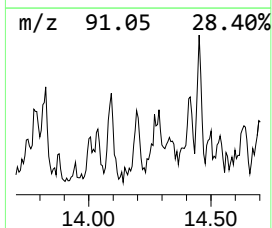
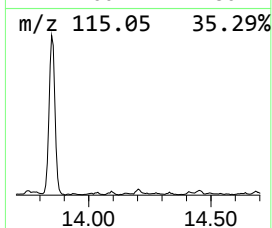
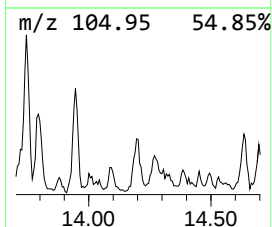
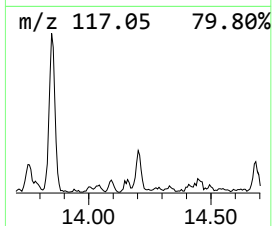
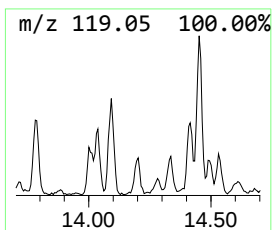
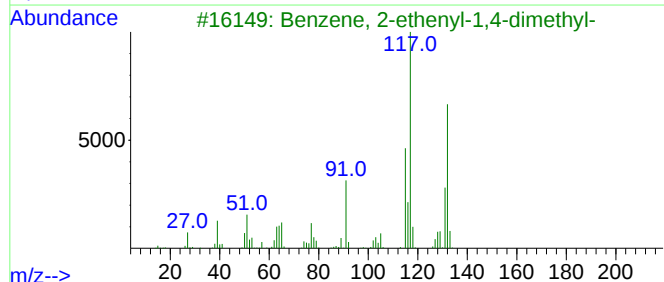
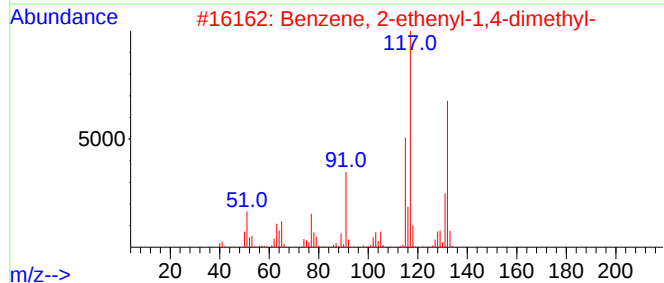
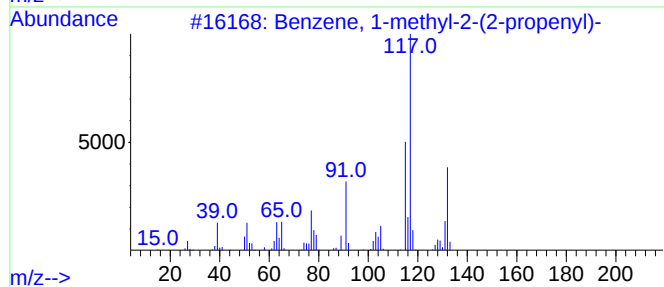
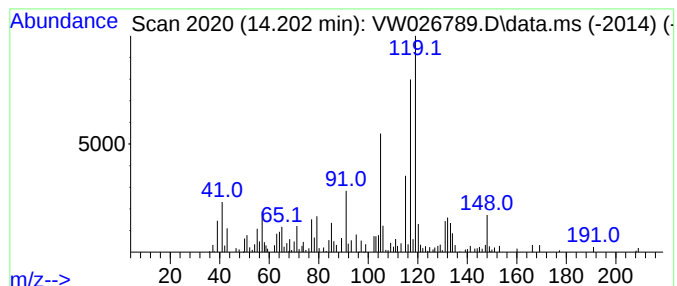
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Quant Title : SFAM01.0

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

Peak Number 8 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	1.49 ug/L	58202	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	46
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46
3			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46
4			2,4-Dimethylstyrene	132	C10H12	002234-20-0	46
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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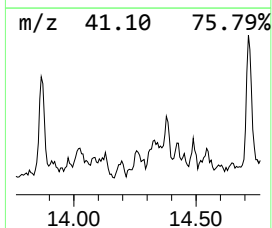
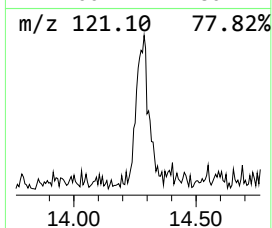
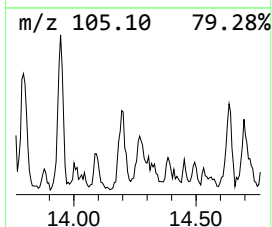
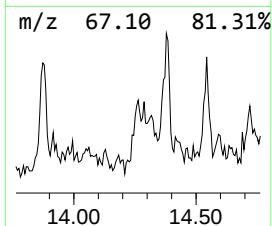
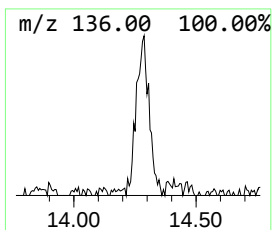
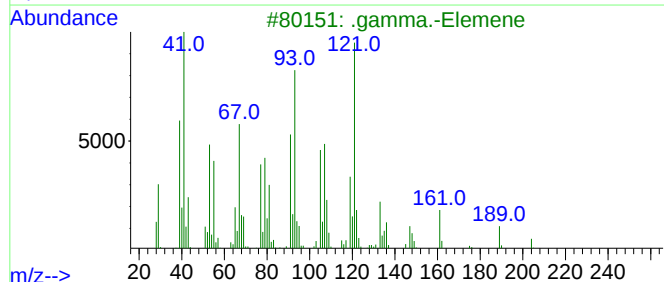
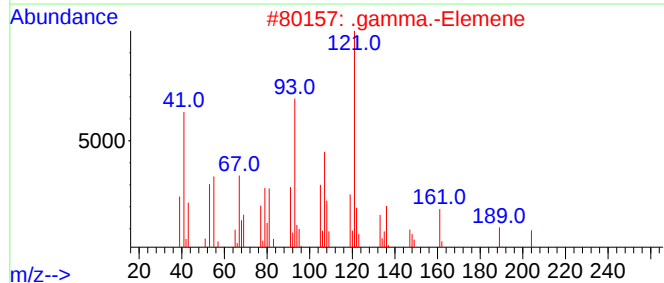
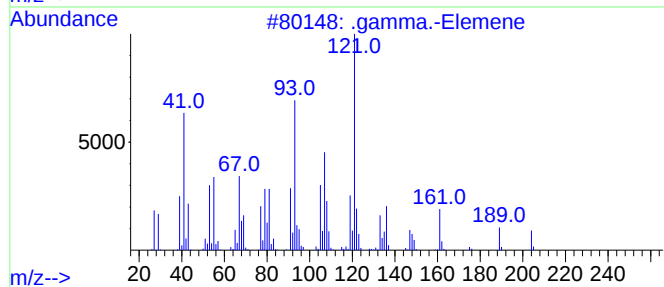
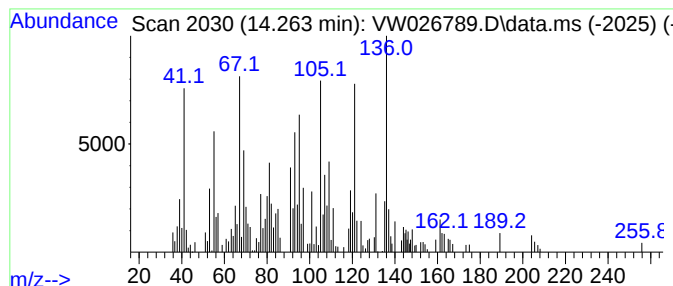
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Quant Title : SFAM01.0

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

Peak Number 9 .gamma.-Elemene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	1.90 ug/L	73985	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	gamma.-Elemene	204	C15H24	029873-99-2	56	
2	.	gamma.-Elemene	204	C15H24	029873-99-2	56	
3	.	gamma.-Elemene	204	C15H24	029873-99-2	49	
4	1,5-	Cyclodecadiene, (E,Z)-	136	C10H16	001124-78-3	46	
5	3,4-	Dimethylbenzyl alcohol	136	C9H12O	006966-10-5	42	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
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Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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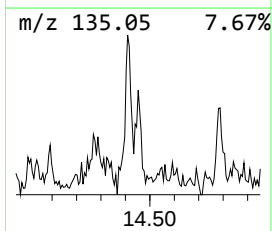
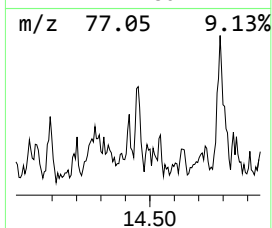
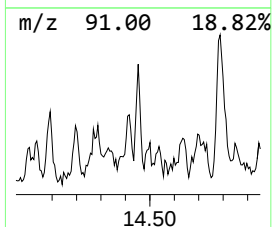
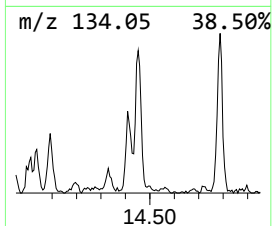
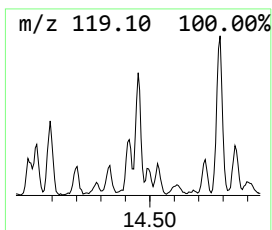
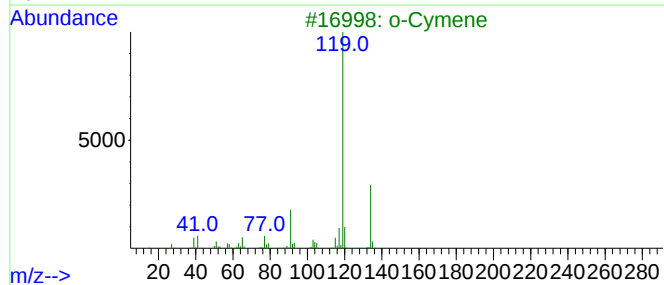
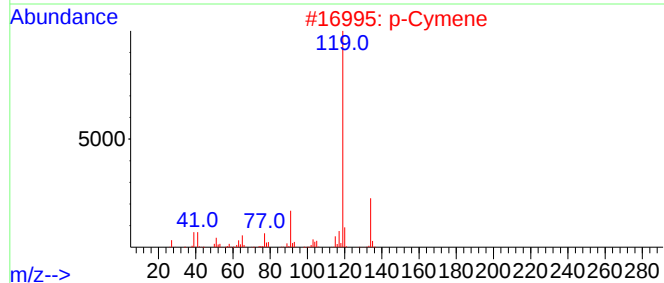
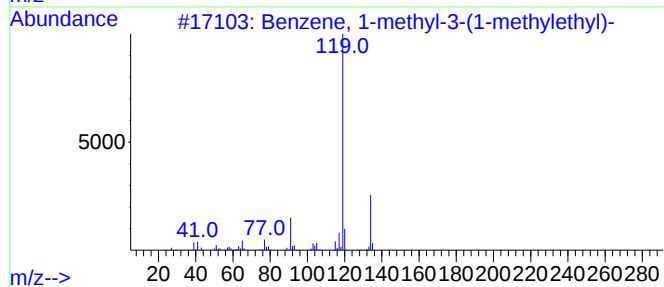
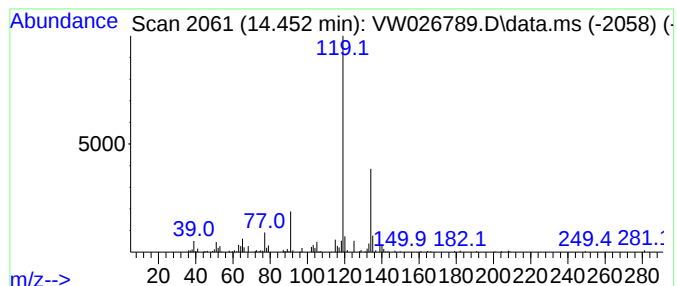
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Quant Title : SFAM01.0

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

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	1.44 ug/L	56277	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2			p-Cymene	134	C10H14	000099-87-6	87
3			o-Cymene	134	C10H14	000527-84-4	87
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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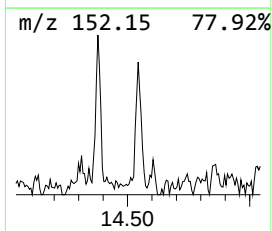
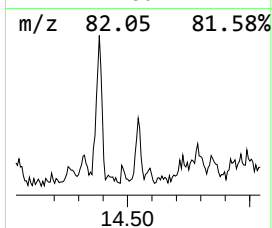
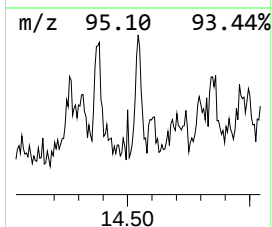
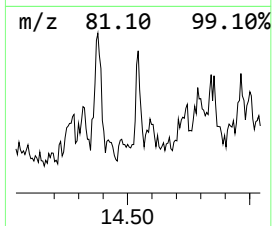
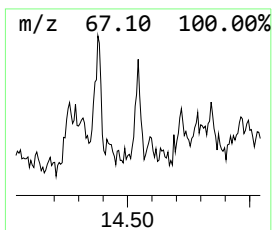
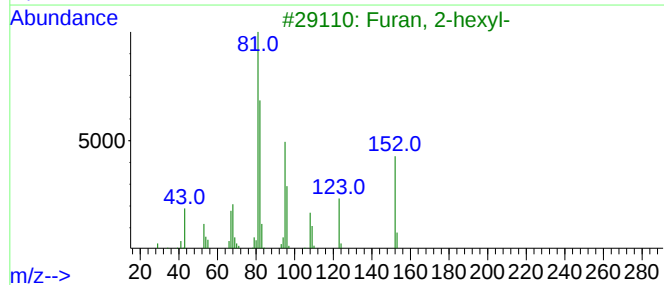
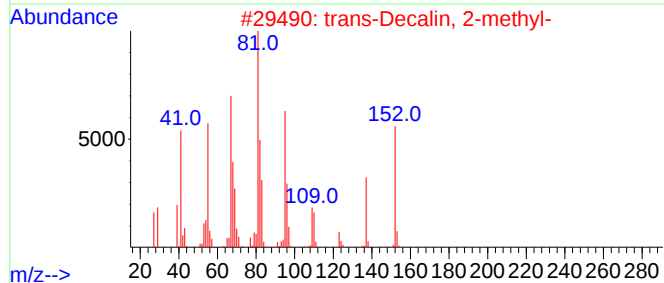
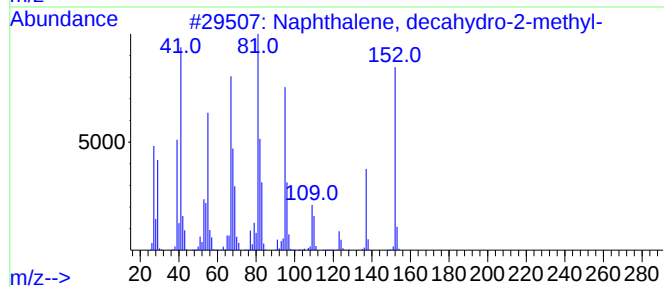
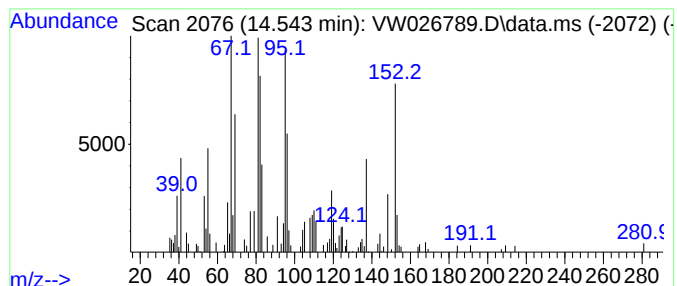
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Quant Title : SFAM01.0

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

Peak Number 11 Naphthalene, decahydro-2-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	1.28 ug/L	49912	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	74
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
3			Furan, 2-hexyl-	152	C10H16O	003777-70-6	64
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	62
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

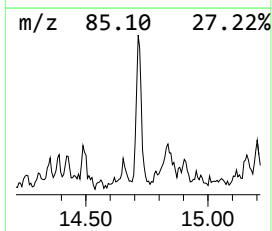
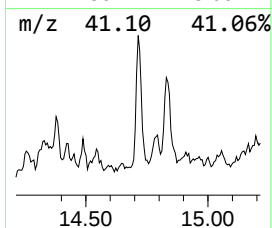
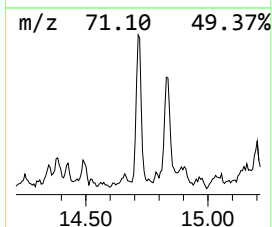
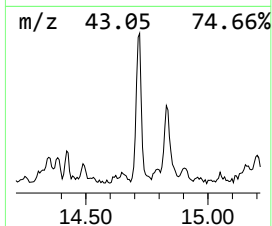
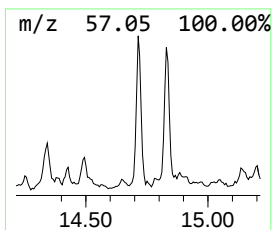
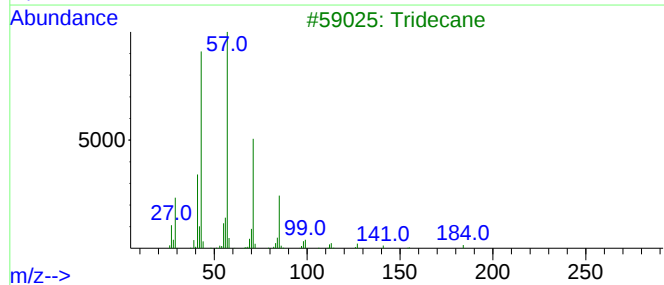
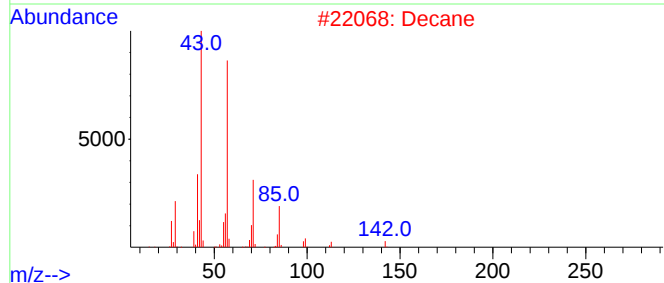
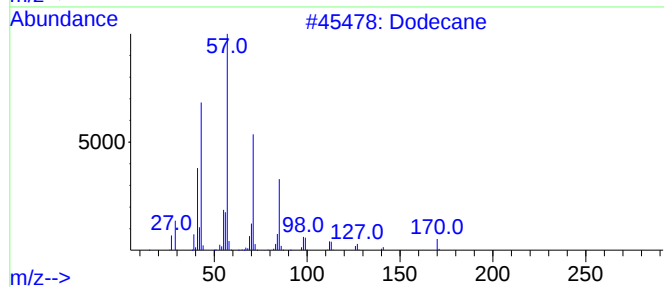
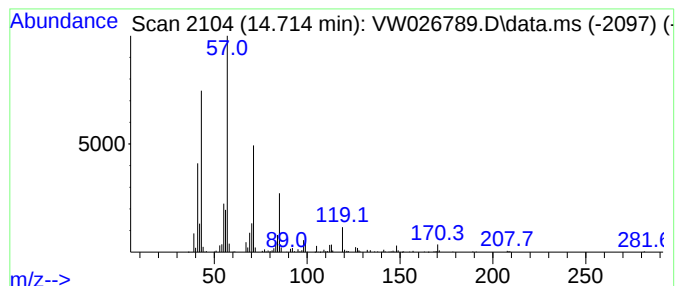
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.714	4.45 ug/L	173598	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	93
2		Decane	142	C10H22	000124-18-5	93
3		Tridecane	184	C13H28	000629-50-5	72
4		Undecane	156	C11H24	001120-21-4	72
5		Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

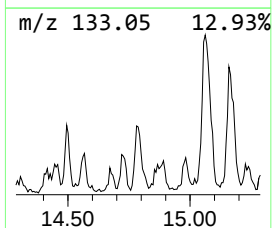
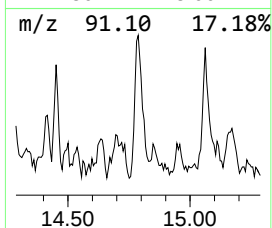
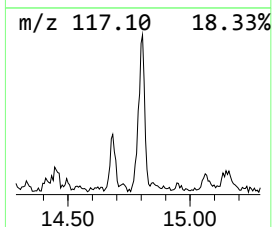
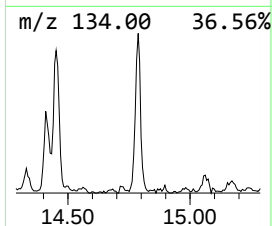
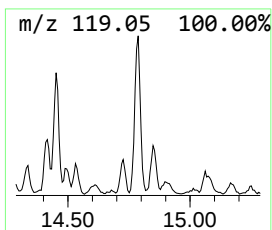
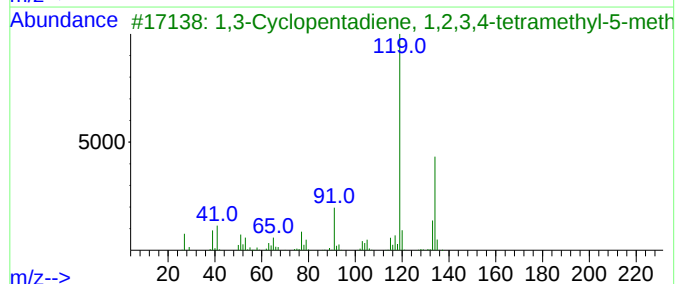
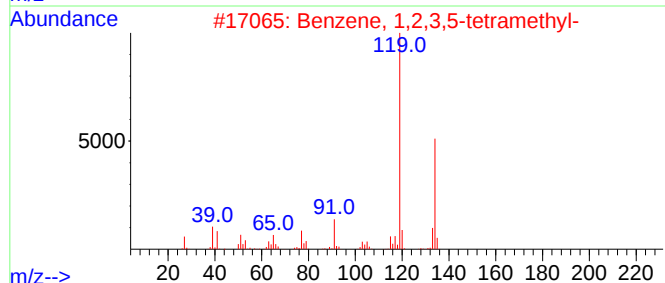
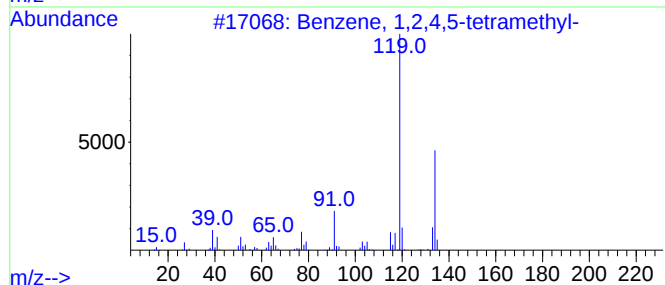
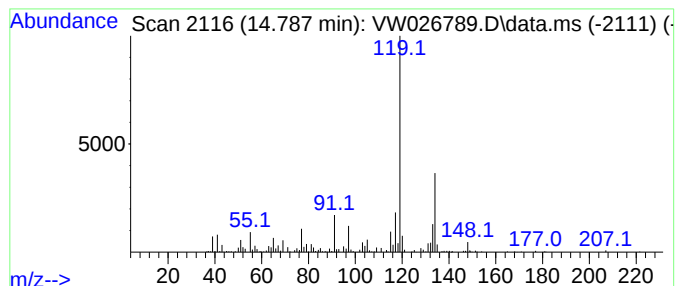
Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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Quant Title : SFAM01.0

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

Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.787	4.26 ug/L	166049	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	81
3	1,3-Cyclopentadiene, 1,2,3,4-tet...		134	C10H14	076089-59-3	81
4	Benzene, 2-ethyl-1,3-dimethyl-		134	C10H14	002870-04-4	76
5	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

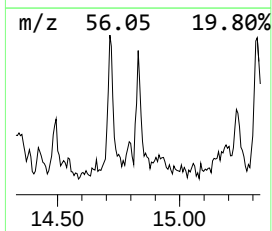
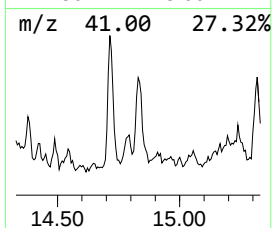
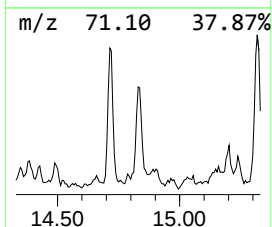
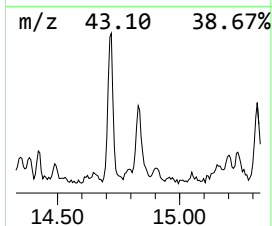
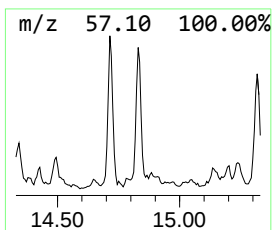
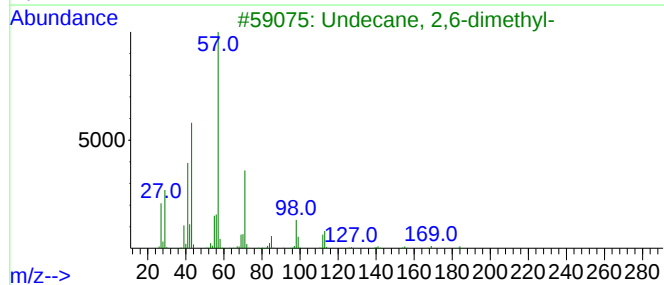
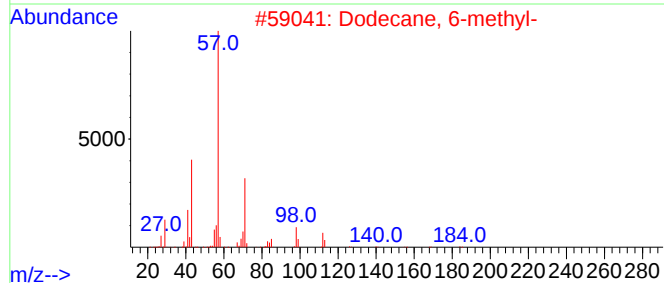
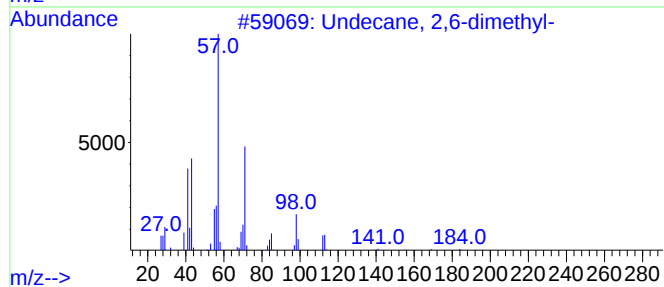
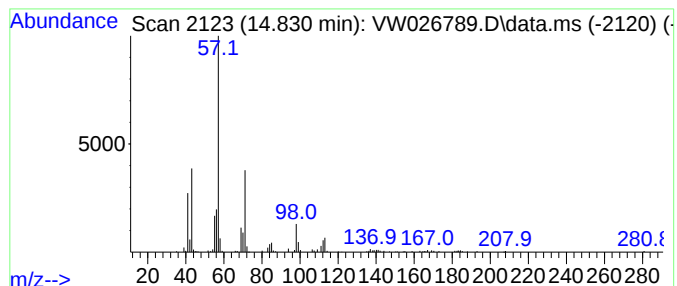
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	3.74 ug/L	145652	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	87
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

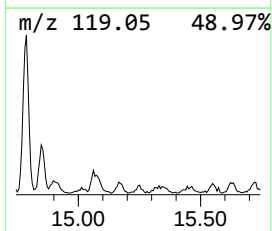
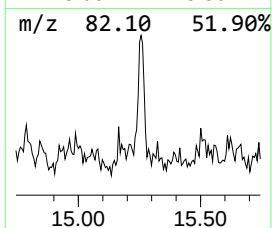
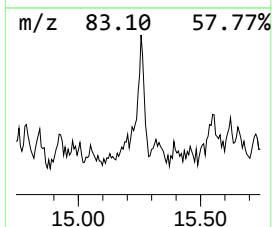
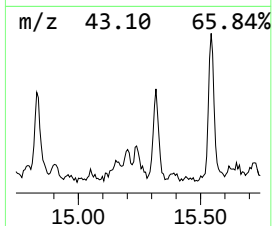
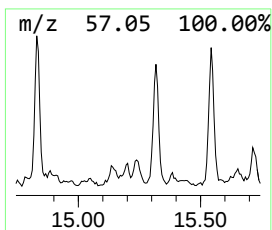
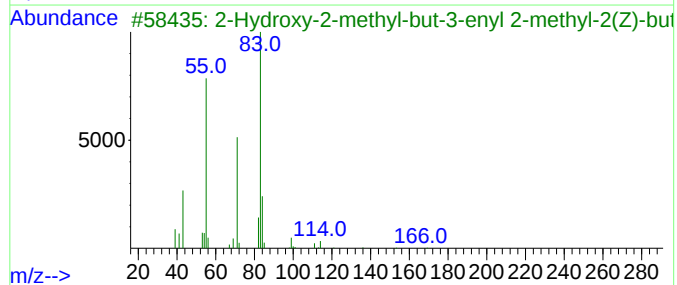
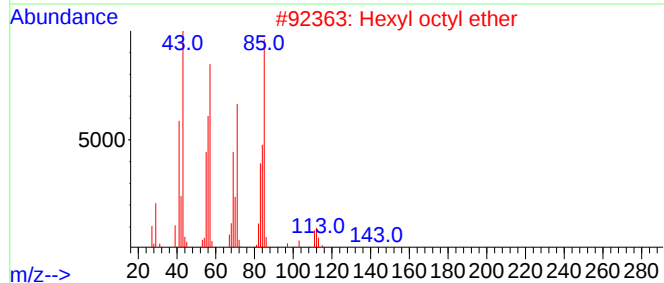
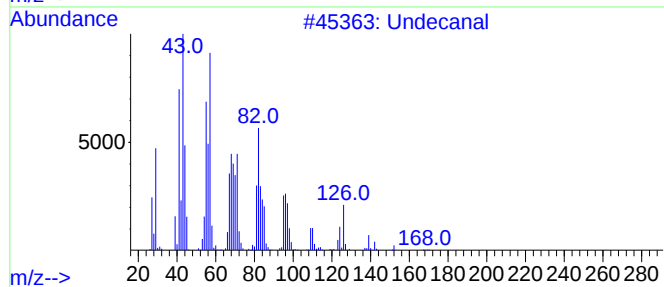
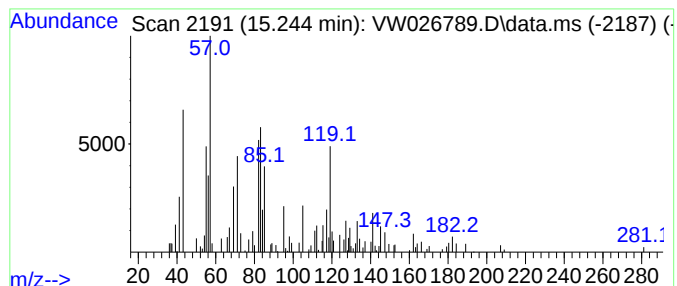
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Quant Title : SFAM01.0

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

Peak Number 15 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	1.71 ug/L	66636	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecanal	170	C11H22O	000112-44-7	35
2			Hexyl octyl ether	214	C14H30O	017071-54-4	27
3			2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	27
4			Oxirane, decyl-	184	C12H24O	002855-19-8	27
5			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

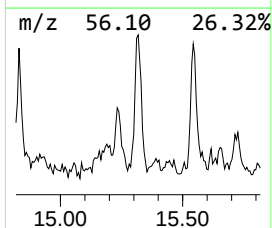
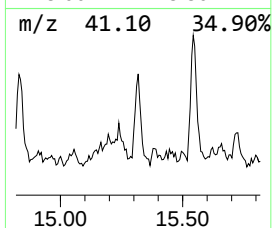
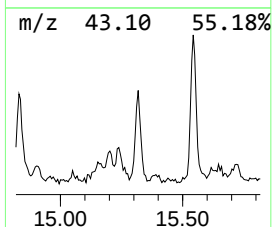
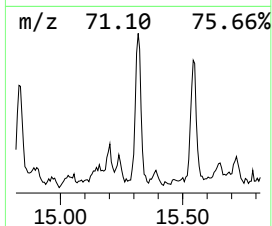
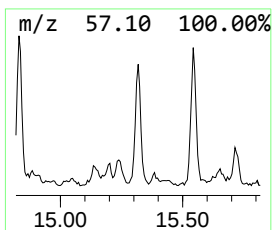
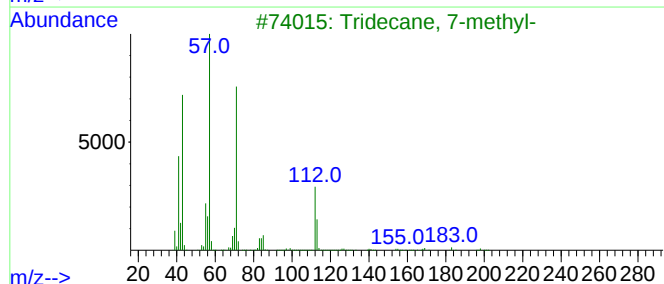
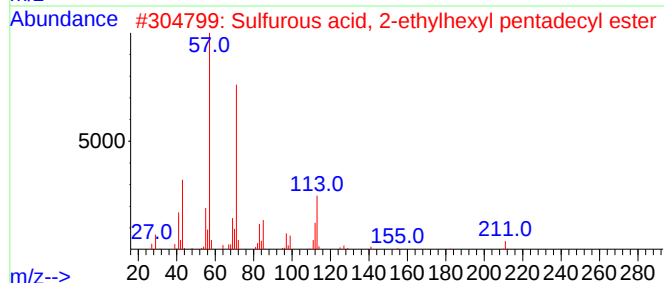
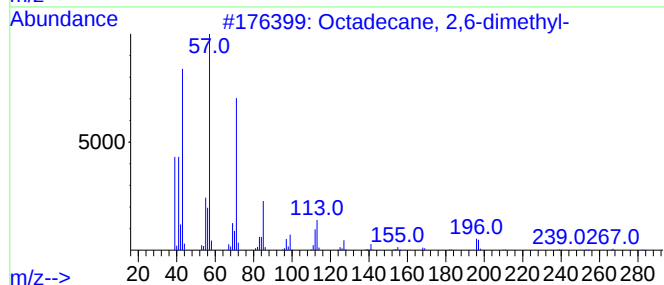
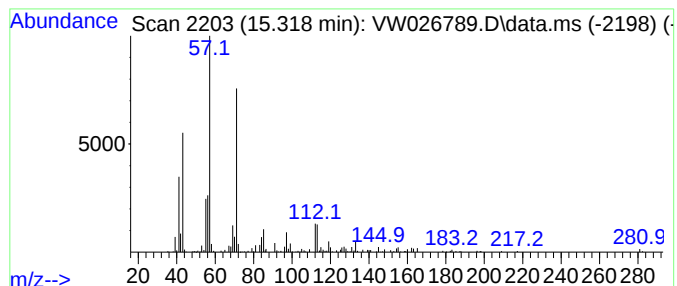
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	3.33 ug/L	129670	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	87
2			Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	72
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	70
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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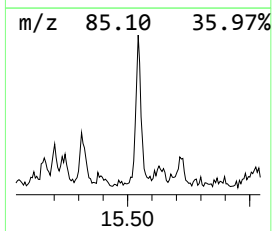
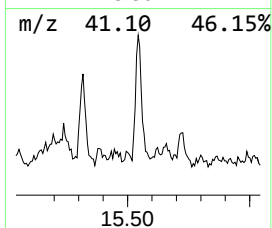
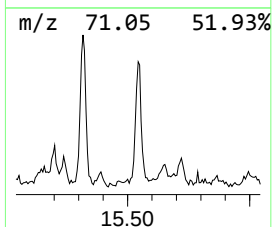
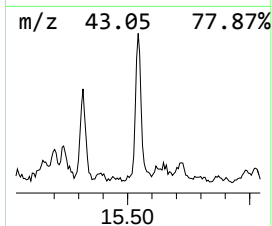
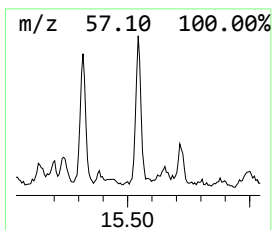
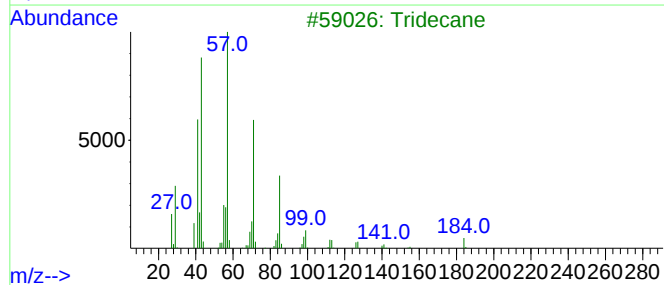
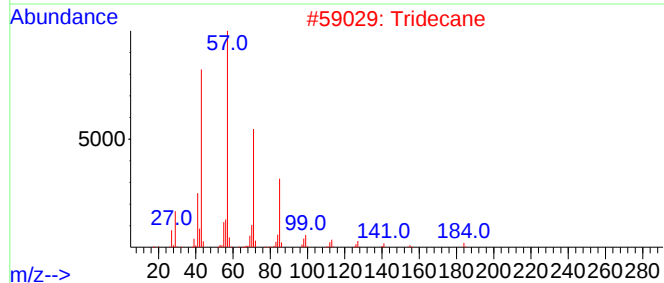
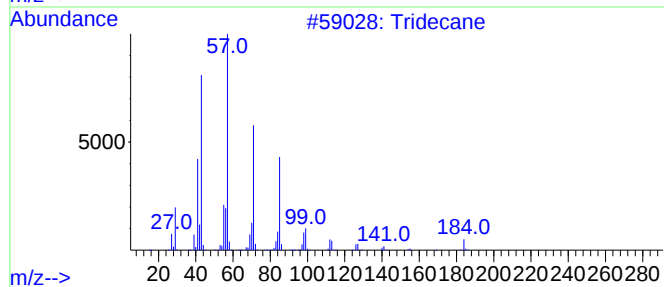
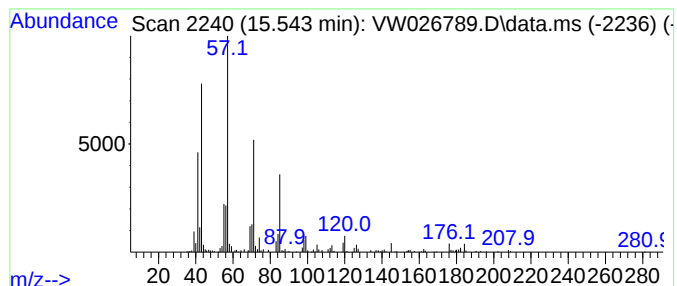
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	4.90 ug/L	191163	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	86
2		Tridecane	184	C13H28	000629-50-5	76
3		Tridecane	184	C13H28	000629-50-5	72
4		Tetradecane	198	C14H30	000629-59-4	68
5		Tridecane	184	C13H28	000629-50-5	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

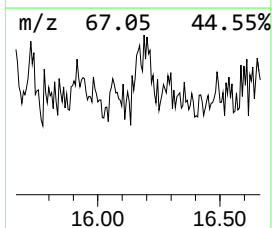
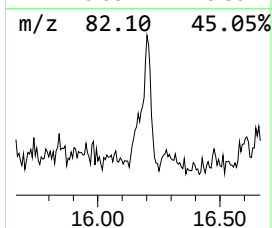
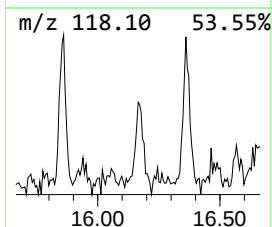
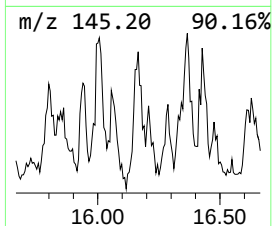
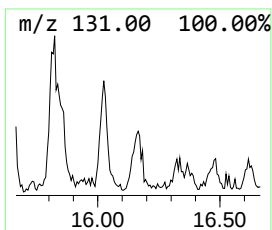
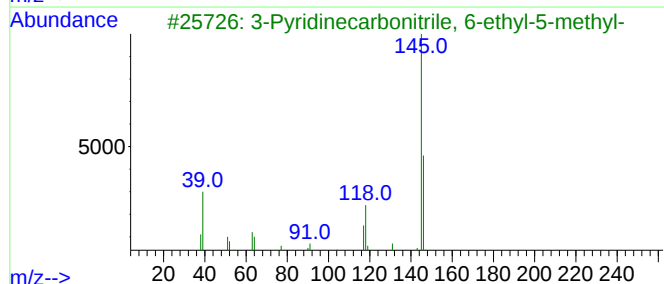
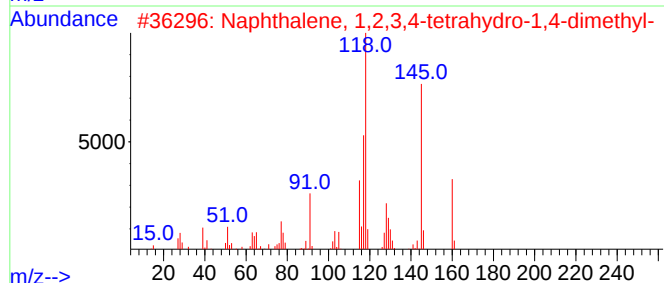
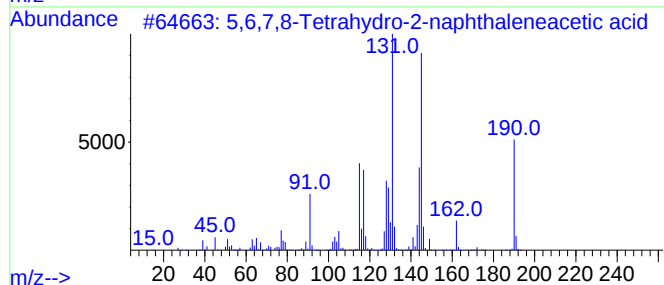
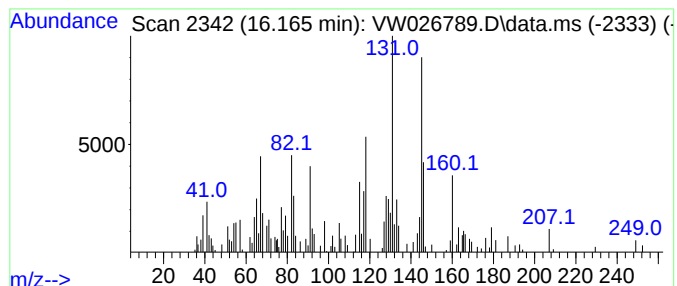
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Quant Title : SFAM01.0

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

Peak Number 18 5,6,7,8-Tetrahydro-2-naphth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.165	1.55 ug/L	60571	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6,7,8-Tetrahydro-2-naphthalene...	190	C12H14O2	013052-99-8	53		
2	Naphthalene, 1,2,3,4-tetrahydro...	160	C12H16	004175-54-6	50		
3	3-Pyridinecarbonitrile, 6-ethyl...	146	C9H10N2	110253-41-3	43		
4	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	42		
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

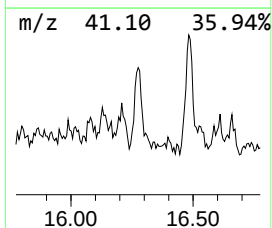
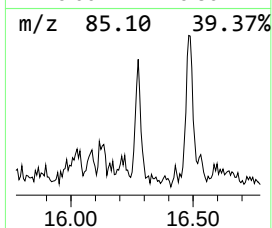
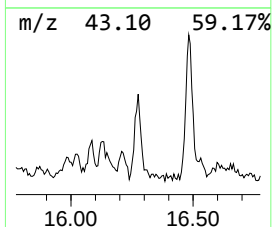
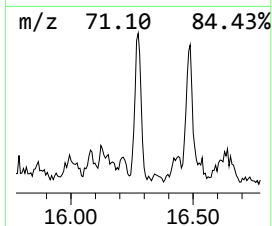
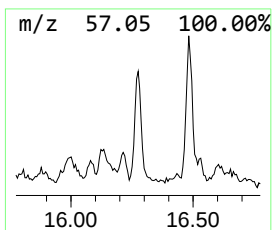
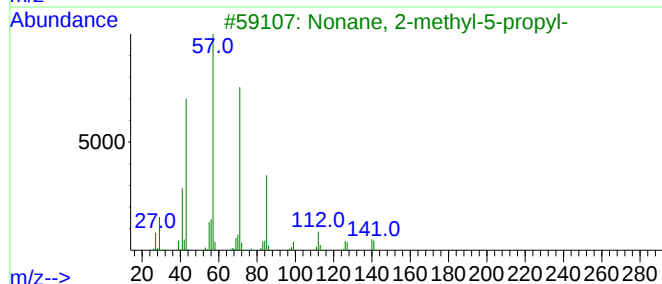
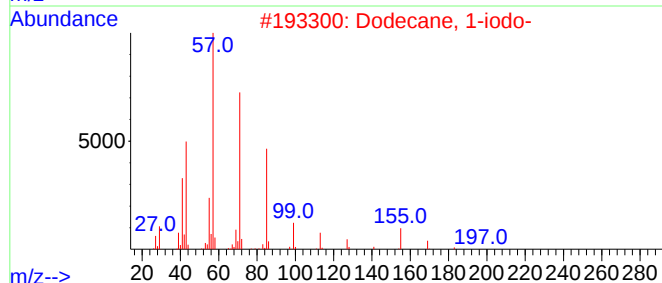
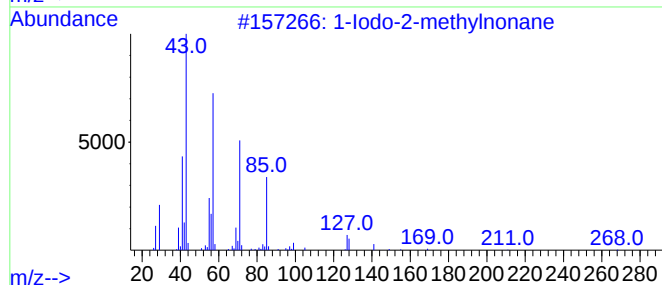
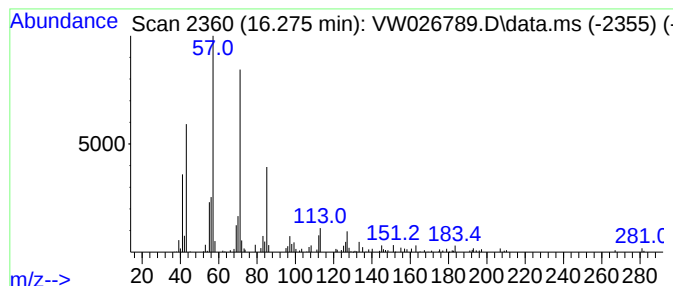
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Quant Title : SFAM01.0

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

Peak Number 19 1-Iodo-2-methylnonane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	2.15 ug/L	83892	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

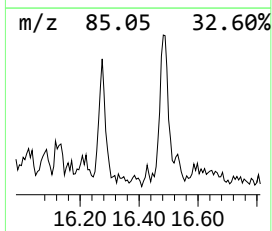
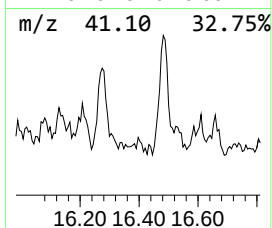
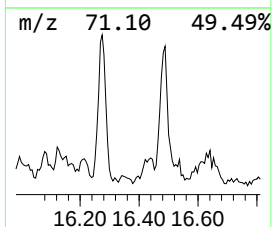
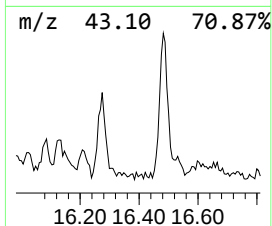
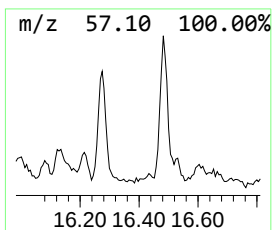
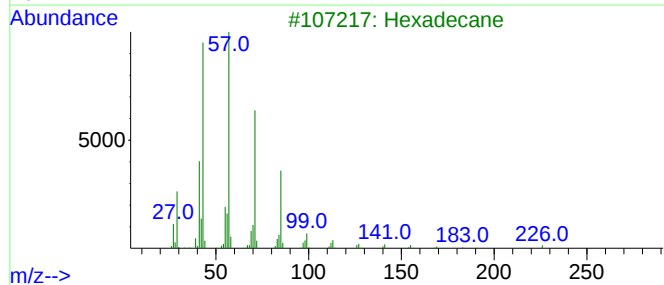
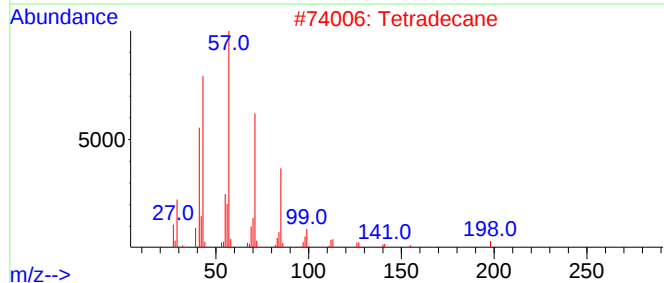
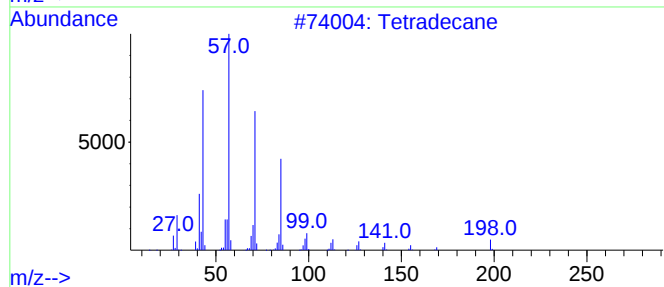
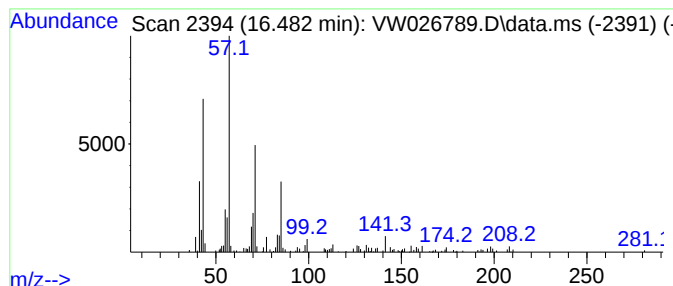
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.482	2.21 ug/L	86071	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	87
2		Tetradecane	198	C14H30	000629-59-4	80
3		Hexadecane	226	C16H34	000544-76-3	80
4		Tetradecane	198	C14H30	000629-59-4	76
5		Tetracosane	338	C24H50	000646-31-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026789.D
Acq On : 21 Aug 2023 14:04
Operator : SY/MD
Sample : 04037-13
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

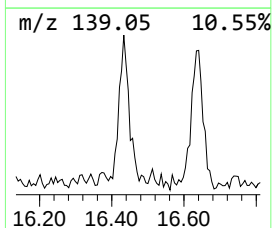
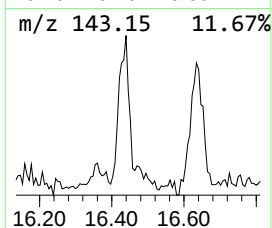
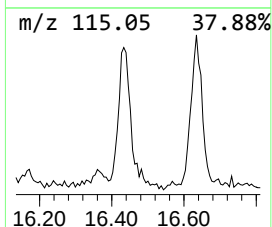
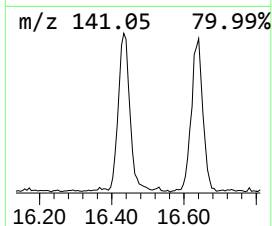
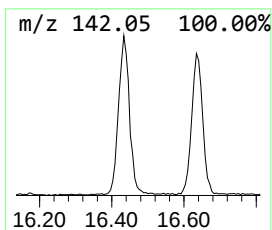
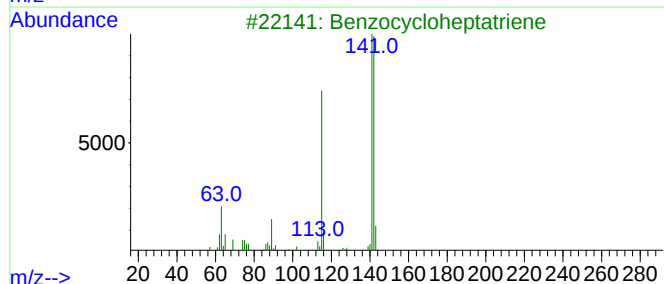
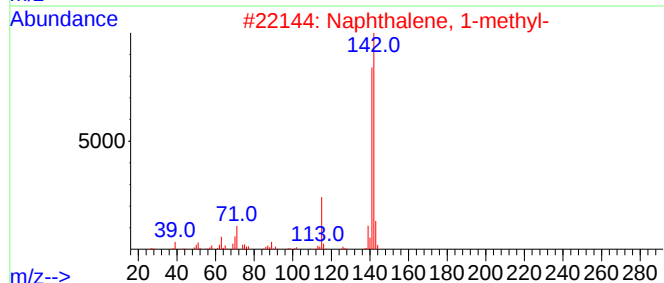
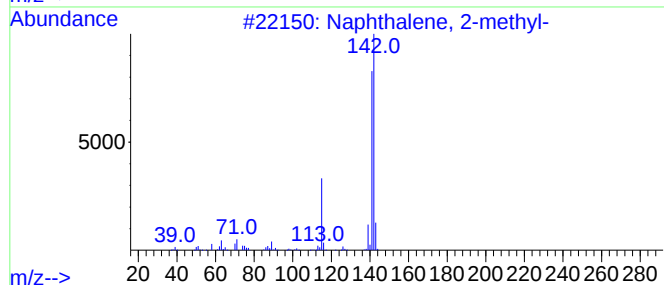
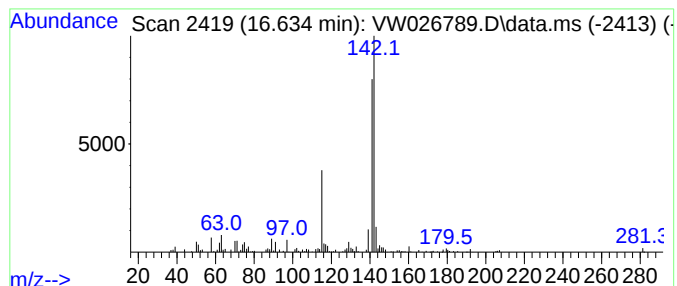
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Quant Title : SFAM01.0

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

Peak Number 22 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	4.49 ug/L	175036	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3			Benzocycloheptatriene	142	C11H10	000264-09-5	90
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026789.D
 Acq On : 21 Aug 2023 14:04
 Operator : SY/MD
 Sample : 04037-13
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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
unknown-01	9.081	1.5	ug/L	126773	1	8.843	2150630	25.0
(DEL) Alkane: S...	10.093	1.6	ug/L	134019	1	8.843	2150630	25.0
(DEL) Alkane: S...	10.501	1.7	ug/L	131750	2	11.629	1901740	25.0
(DEL) Alkane: S...	12.361	1.7	ug/L	129073	2	11.629	1901740	25.0
Benzene, 1-ethy...	12.861	1.7	ug/L	66299	3	13.556	974410	25.0
Benzene, 1-ethy...	14.031	1.4	ug/L	55939	3	13.556	974410	25.0
unknown-02	14.202	1.5	ug/L	58202	3	13.556	974410	25.0
.gamma.-Elemene	14.263	1.9	ug/L	73985	3	13.556	974410	25.0
Benzene, 1-meth...	14.452	1.4	ug/L	56277	3	13.556	974410	25.0
Naphthalene, de...	14.543	1.3	ug/L	49912	3	13.556	974410	25.0
(DEL) Alkane: S...	14.714	4.5	ug/L	173598	3	13.556	974410	25.0
Benzene, 1,2,4,...	14.787	4.3	ug/L	166049	3	13.556	974410	25.0
(DEL) Alkane: S...	14.830	3.7	ug/L	145652	3	13.556	974410	25.0
unknown-03	15.245	1.7	ug/L	66636	3	13.556	974410	25.0
(DEL) Alkane: S...	15.318	3.3	ug/L	129670	3	13.556	974410	25.0
(DEL) Alkane: S...	15.543	4.9	ug/L	191163	3	13.556	974410	25.0
5,6,7,8-Tetrahy...	16.165	1.6	ug/L	60571	3	13.556	974410	25.0
1-Iodo-2-methyl...	16.275	2.1	ug/L	83892	3	13.556	974410	25.0
(DEL) Alkane: S...	16.482	2.2	ug/L	86071	3	13.556	974410	25.0
Benzycclohepta...	16.634	4.5	ug/L	175036	3	13.556	974410	25.0