

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026786.D
 Acq On : 21 Aug 2023 12:52
 Operator : SY/MD
 Sample : 04037-14RE
 Misc : 4.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH3RE

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: VW026786.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	67	78	90	rBV2	105773	292131	2.20%	0.190%
2	2.893	155	165	179	rBV	71456	212807	1.60%	0.139%
3	4.021	337	350	362	rBV	166461	604378	4.54%	0.394%
4	4.954	484	503	532	rBV5	85743	509961	3.83%	0.332%
5	5.435	566	582	596	rBV2	83618	301658	2.27%	0.197%
6	6.984	828	836	844	rVV2	94863	283487	2.13%	0.185%
7	7.075	844	851	884	rVB2	95827	356223	2.68%	0.232%
8	7.648	934	945	962	rBV	387505	1035429	7.78%	0.675%
9	7.953	982	995	1003	rVV3	234129	906692	6.82%	0.591%
10	8.032	1003	1008	1020	rVB	112820	298212	2.24%	0.194%
11	8.154	1020	1028	1035	rBV	264176	592264	4.45%	0.386%
12	8.276	1035	1048	1065	rVB2	744092	2354756	17.70%	1.535%
13	8.435	1065	1074	1080	rBV3	151738	383701	2.88%	0.250%
14	8.508	1080	1086	1091	rVV3	120615	274091	2.06%	0.179%
15	8.575	1091	1097	1109	rVB	236972	562010	4.23%	0.366%
16	8.691	1109	1116	1131	rVB	122211	265513	2.00%	0.173%
17	8.843	1131	1141	1151	rBV	740626	1521831	11.44%	0.992%
18	9.276	1203	1212	1216	rBV2	578719	1385944	10.42%	0.903%
19	9.331	1216	1221	1228	rVB	1593757	3316597	24.93%	2.161%
20	9.514	1244	1251	1257	rBV	140589	261436	1.97%	0.170%
21	9.605	1257	1266	1276	rBV2	286124	652359	4.90%	0.425%
22	9.752	1283	1290	1303	rVB2	426491	916751	6.89%	0.597%
23	9.898	1308	1314	1318	rBV	163983	301490	2.27%	0.196%
24	9.953	1318	1323	1327	rBV	646776	1206189	9.07%	0.786%
25	10.032	1333	1336	1340	rBV	146074	214570	1.61%	0.140%
26	10.093	1340	1346	1359	rVB2	680167	1781082	13.39%	1.161%
27	10.318	1376	1383	1388	rBV2	2265073	4469415	33.60%	2.913%
28	10.501	1406	1413	1420	rVB2	787522	1825959	13.73%	1.190%
29	10.581	1420	1426	1429	rBV2	157575	312706	2.35%	0.204%
30	10.617	1429	1432	1435	rVV2	155247	232433	1.75%	0.151%
31	10.666	1435	1440	1449	rVB	1074437	2060355	15.49%	1.343%
32	10.757	1449	1455	1460	rBV3	525016	1101636	8.28%	0.718%
33	10.843	1465	1469	1474	rVB	314362	507855	3.82%	0.331%
34	10.934	1474	1484	1490	rBV2	1263066	2373146	17.84%	1.547%
35	11.032	1490	1500	1508	rBV2	585011	1462537	11.00%	0.953%
36	11.105	1508	1512	1515	rBV2	345201	550652	4.14%	0.359%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026786.D
 Acq On : 21 Aug 2023 12:52
 Operator : SY/MD
 Sample : 04037-14RE
 Misc : 4.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH3RE

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

37	11.178	1515	1524	1528	rBV	1626658	2830052	21.28%	1.844%
38	11.227	1528	1532	1538	rVB	1956892	3375168	25.37%	2.200%
39	11.282	1538	1541	1544	rVB2	232630	279548	2.10%	0.182%
40	11.337	1544	1550	1554	rBV2	854950	1442954	10.85%	0.940%
41	11.404	1554	1561	1563	rBV3	789546	1631314	12.26%	1.063%
42	11.507	1573	1578	1583	rBV	1270342	2106577	15.84%	1.373%
43	11.629	1592	1598	1607	rBV	660317	1366107	10.27%	0.890%
44	11.721	1608	1613	1616	rBV	303344	477520	3.59%	0.311%
45	11.763	1616	1620	1623	rBV	433066	592965	4.46%	0.386%
46	11.806	1623	1627	1633	rBV6	458985	1001815	7.53%	0.653%
47	11.873	1633	1638	1642	rBV	1241464	2178847	16.38%	1.420%
48	11.910	1642	1644	1650	rVB2	987817	1469744	11.05%	0.958%
49	11.971	1650	1654	1661	rBV3	394076	995963	7.49%	0.649%
50	12.056	1661	1668	1673	rVB3	504152	1153690	8.67%	0.752%
51	12.135	1673	1681	1688	rBV3	2253397	5205745	39.14%	3.392%
52	12.251	1692	1700	1704	rVB	2349296	4335451	32.59%	2.825%
53	12.361	1704	1718	1726	rBV3	3971833	13301262	100.00%	8.668%
54	12.471	1730	1736	1739	rBV4	1164517	2390946	17.98%	1.558%
55	12.538	1744	1747	1755	rVB	1552982	3298127	24.80%	2.149%
56	12.617	1755	1760	1762	rBV3	500196	771916	5.80%	0.503%
57	12.647	1762	1765	1768	rVB	359018	379715	2.85%	0.247%
58	12.696	1768	1773	1779	rBV4	873269	1910919	14.37%	1.245%
59	12.775	1782	1786	1792	rVB2	2284300	4067986	30.58%	2.651%
60	12.861	1792	1800	1805	rBV5	1052277	2936061	22.07%	1.913%
61	12.928	1805	1811	1818	rVV4	2153457	5965591	44.85%	3.888%
62	12.989	1818	1821	1825	rVB2	767359	1072709	8.06%	0.699%
63	13.074	1831	1835	1839	rBV3	802422	1140546	8.57%	0.743%
64	13.123	1839	1843	1845	rBV2	706520	1073435	8.07%	0.700%
65	13.159	1845	1849	1857	rVB2	2890659	4662924	35.06%	3.039%
66	13.257	1862	1865	1866	rVV2	298945	314779	2.37%	0.205%
67	13.287	1867	1870	1875	rVV2	762311	1332835	10.02%	0.869%
68	13.342	1875	1879	1882	rVV2	721712	1215390	9.14%	0.792%
69	13.373	1882	1884	1888	rVV2	444424	530817	3.99%	0.346%
70	13.440	1888	1895	1899	rVV4	1774232	3967768	29.83%	2.586%
71	13.476	1899	1901	1905	rVV	1040634	1478020	11.11%	0.963%
72	13.513	1905	1907	1910	rVV2	420455	484860	3.65%	0.316%
73	13.550	1910	1913	1917	rVB3	326248	399965	3.01%	0.261%
74	13.617	1922	1924	1930	rVB3	384505	545358	4.10%	0.355%
75	13.690	1931	1936	1941	rBV4	673366	1268053	9.53%	0.826%
76	13.793	1949	1953	1954	rBV3	182395	249644	1.88%	0.163%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026786.D
 Acq On : 21 Aug 2023 12:52
 Operator : SY/MD
 Sample : 04037-14RE
 Misc : 4.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH3RE

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

77	13.873	1959	1966	1971	rVV3	2682660	5186634	38.99%	3.380%
78	13.915	1971	1973	1978	rVB4	487861	615618	4.63%	0.401%
79	13.976	1979	1983	1986	rBV5	398976	612820	4.61%	0.399%
80	14.019	1986	1990	1994	rBV4	437919	889582	6.69%	0.580%
81	14.129	2005	2008	2013	rVB2	732551	1095536	8.24%	0.714%
82	14.196	2014	2019	2023	rBV4	527729	976026	7.34%	0.636%
83	14.257	2025	2029	2035	rVB5	584967	961882	7.23%	0.627%
84	14.342	2035	2043	2045	rBV5	663429	1509048	11.35%	0.983%
85	14.379	2046	2049	2053	rVV2	1389087	2168984	16.31%	1.413%
86	14.421	2053	2056	2059	rVB4	342372	446380	3.36%	0.291%
87	14.488	2064	2067	2071	rVV4	401749	516564	3.88%	0.337%
88	14.543	2071	2076	2082	rVB6	891641	1479077	11.12%	0.964%
89	14.653	2091	2094	2097	rVB2	202249	235994	1.77%	0.154%
90	14.720	2101	2105	2112	rVV3	623081	1092141	8.21%	0.712%
91	14.787	2112	2116	2120	rVV3	801621	1541854	11.59%	1.005%
92	14.830	2120	2123	2131	rVB2	1960567	3422514	25.73%	2.230%
93	15.055	2156	2160	2165	rVB3	456957	689390	5.18%	0.449%
94	15.238	2187	2190	2198	rVB5	759344	1672152	12.57%	1.090%
95	15.318	2198	2203	2211	rBV	1885258	3065435	23.05%	1.998%
96	15.555	2238	2242	2249	rVB6	308259	779905	5.86%	0.508%
97	15.622	2249	2253	2255	rBV3	227687	361901	2.72%	0.236%
98	15.720	2265	2269	2276	rVB4	679997	1277568	9.60%	0.833%
99	16.208	2345	2349	2354	rVB3	301949	516246	3.88%	0.336%
100	16.275	2355	2360	2368	rVB	744026	1446933	10.88%	0.943%

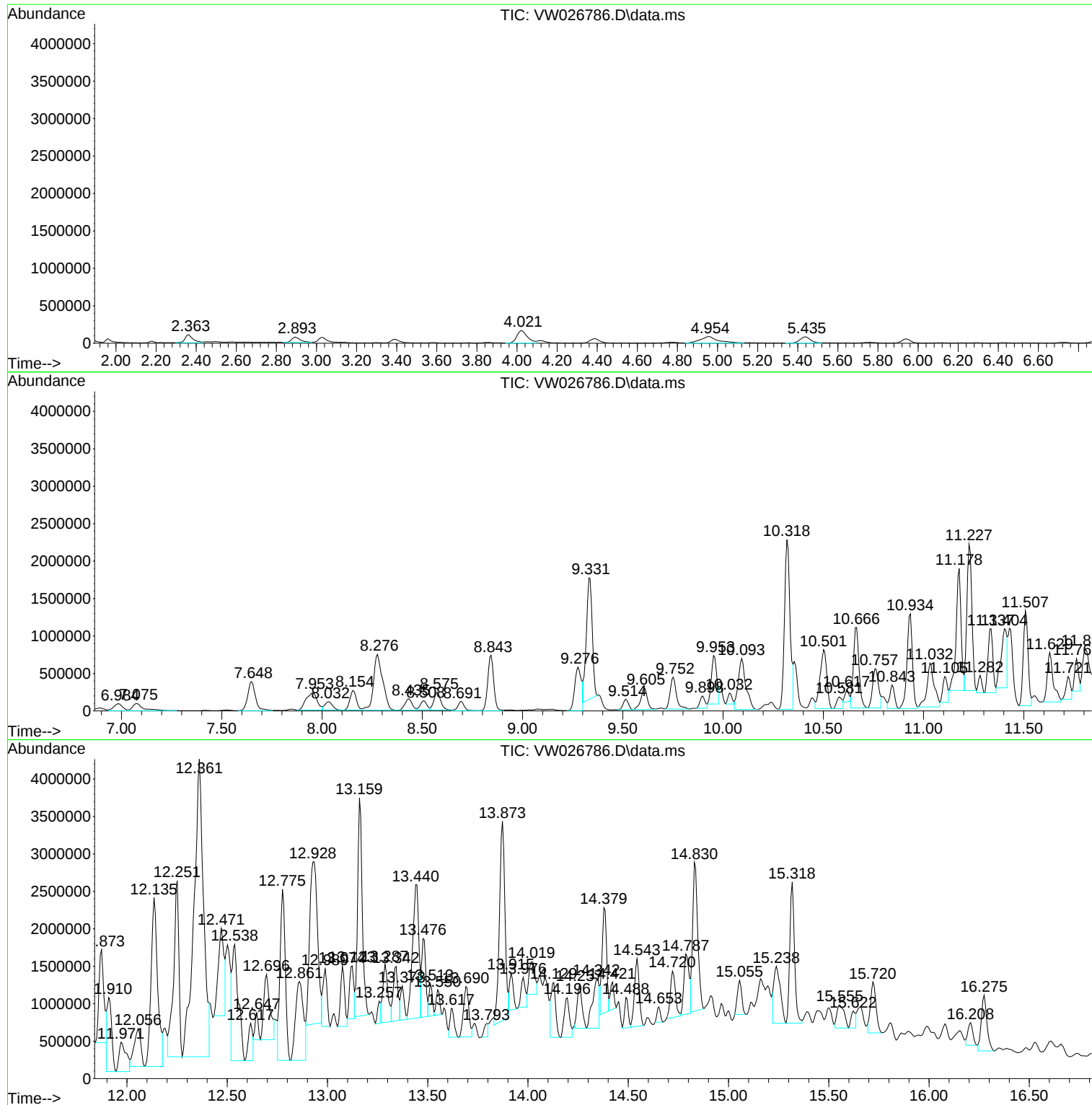
Sum of corrected areas: 153451526

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

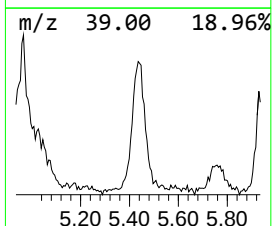
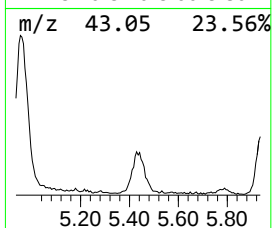
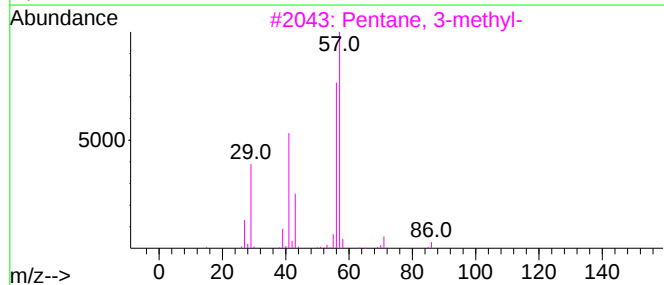
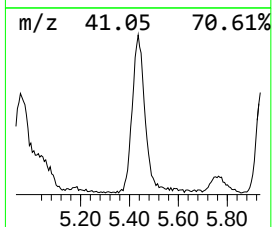
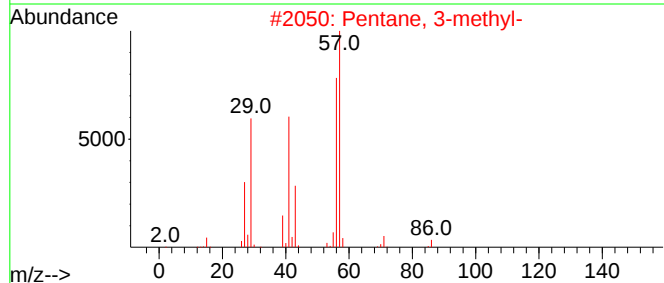
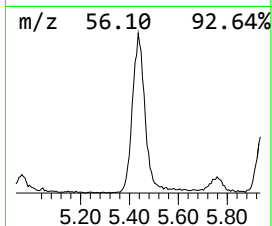
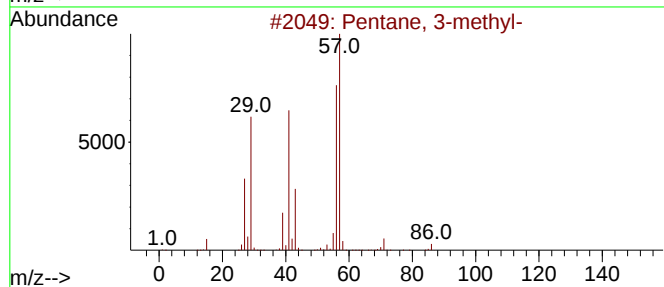
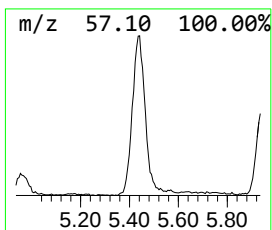
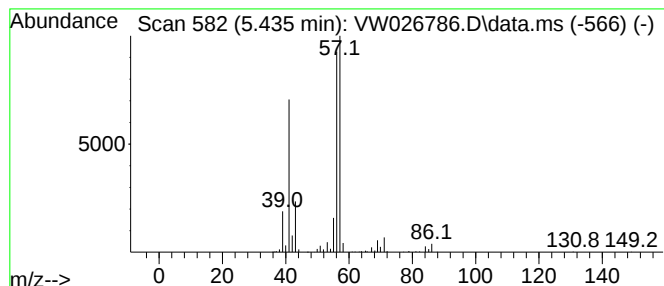
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.435	4.96 ug/L	301658	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4			Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	78
5			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

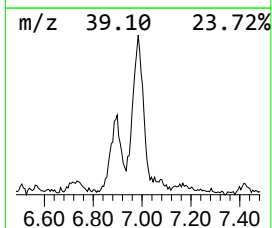
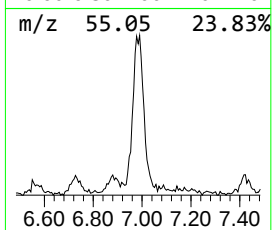
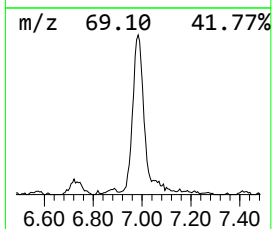
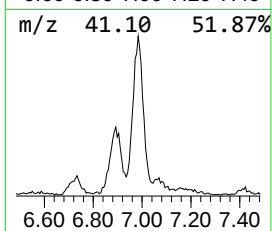
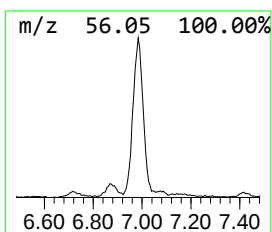
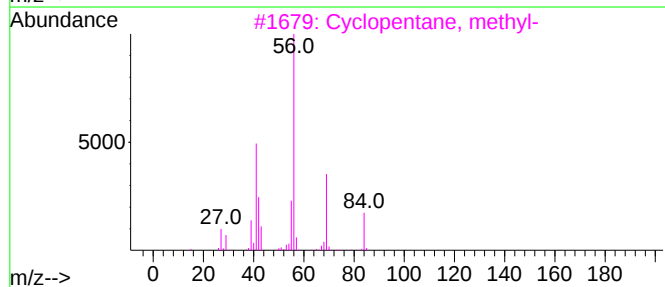
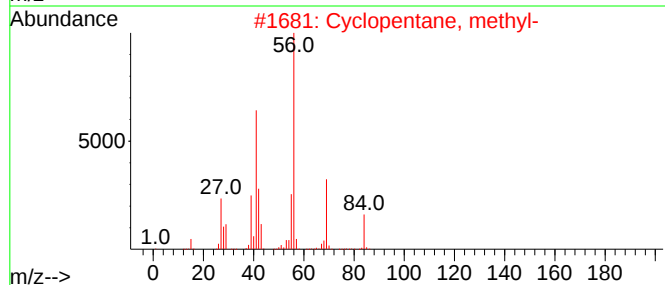
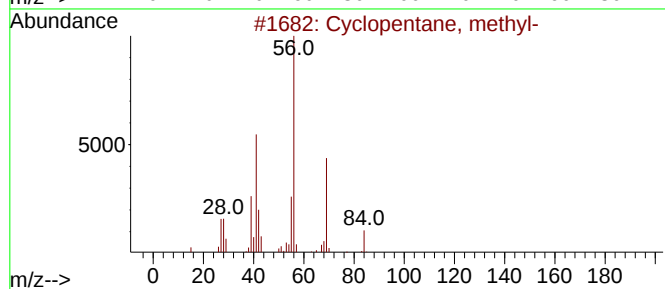
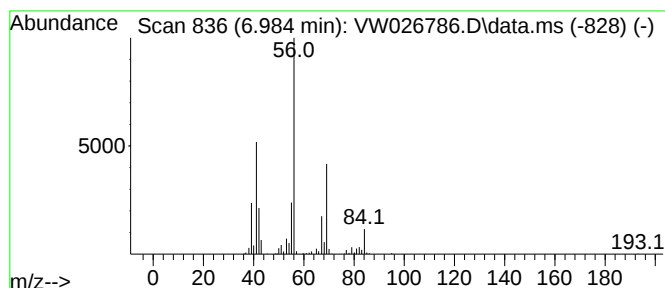
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 2 (DEL) Alkane: Cyclic6.984 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.984	4.66 ug/L	283487	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclohexane	84	C6H12	000110-82-7	56
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

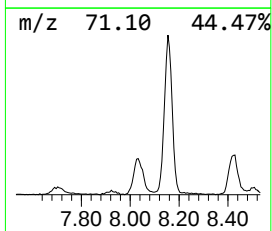
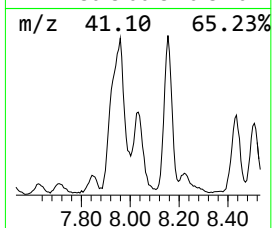
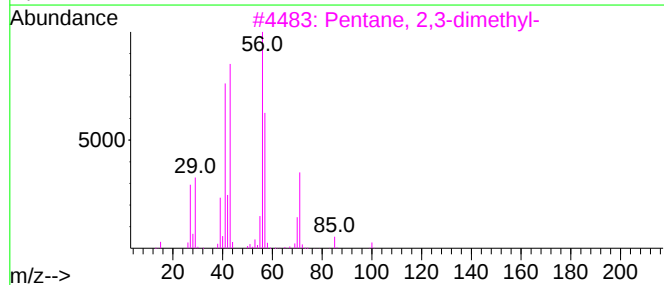
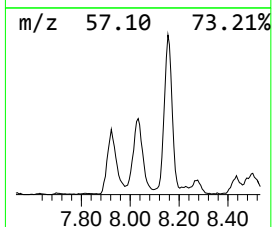
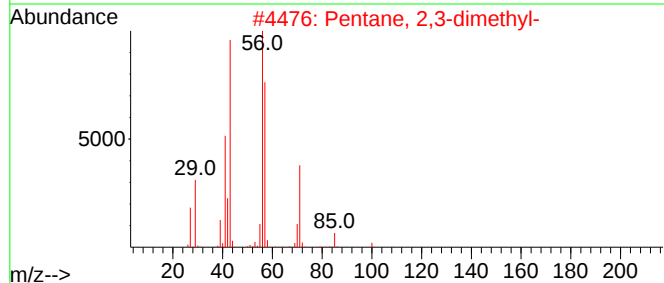
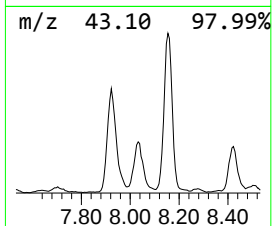
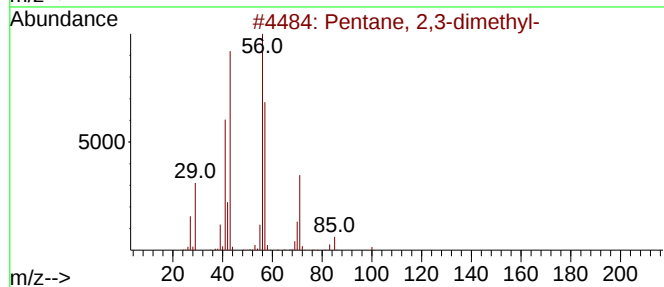
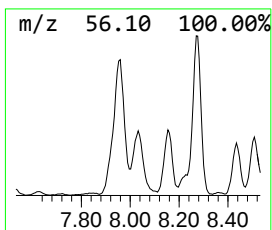
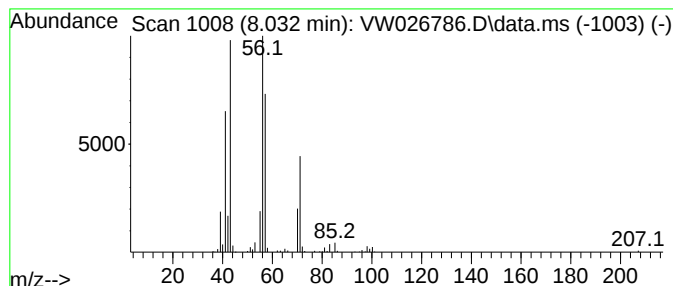
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	4.90 ug/L	298212	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	59
4		Hexyl octyl ether	214	C14H30O	017071-54-4	59
5		1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

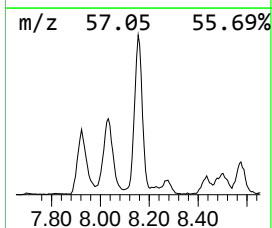
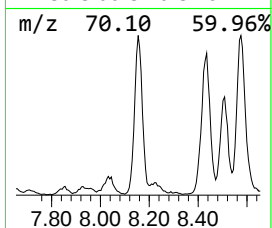
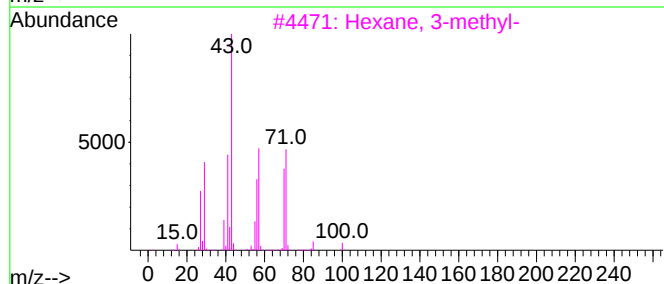
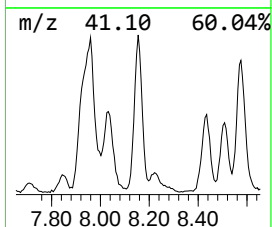
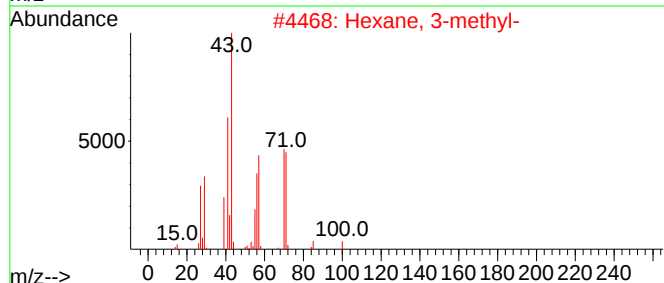
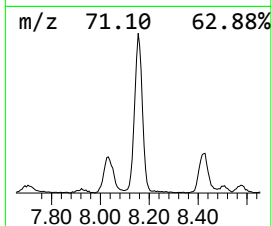
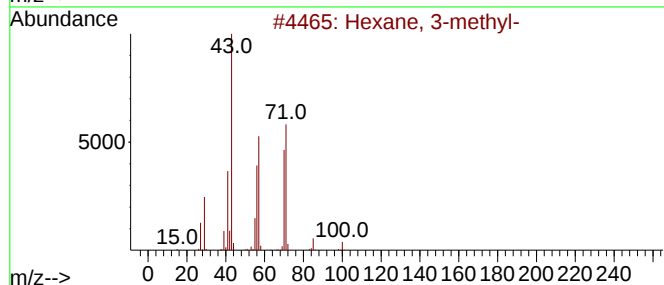
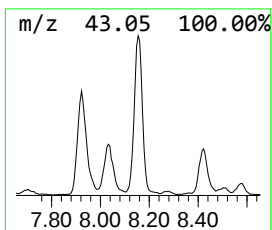
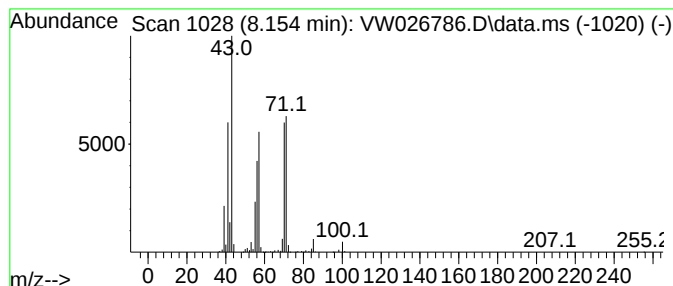
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	9.73 ug/L	592264	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-		100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-		100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-		100	C7H16	000589-34-4	87
4	Heptane		100	C7H16	000142-82-5	72
5	Pentane, 2,3,4-trimethyl-		114	C8H18	000565-75-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

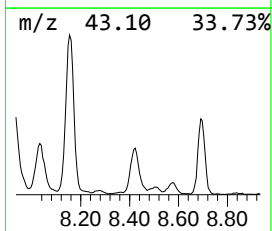
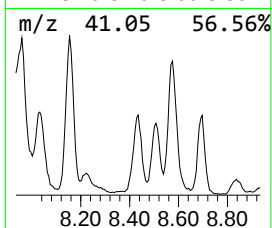
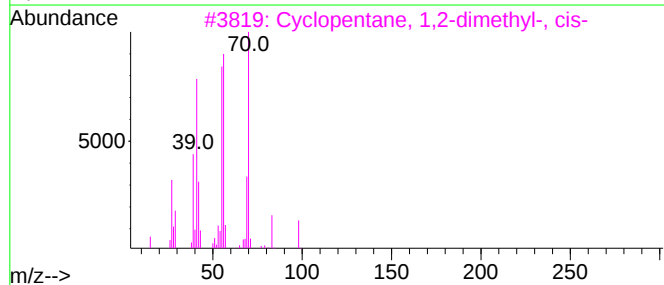
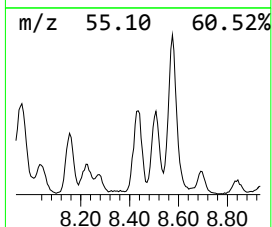
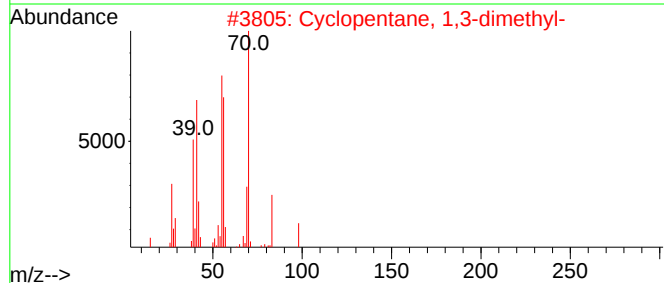
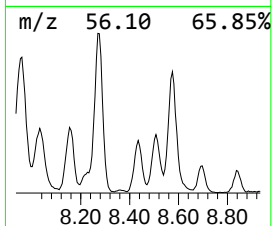
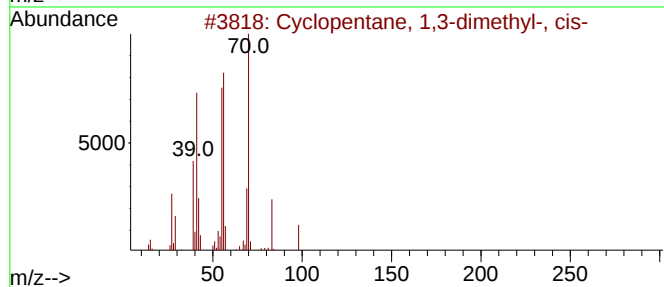
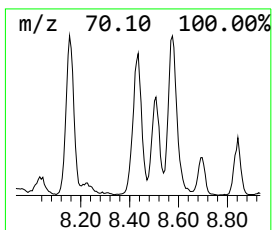
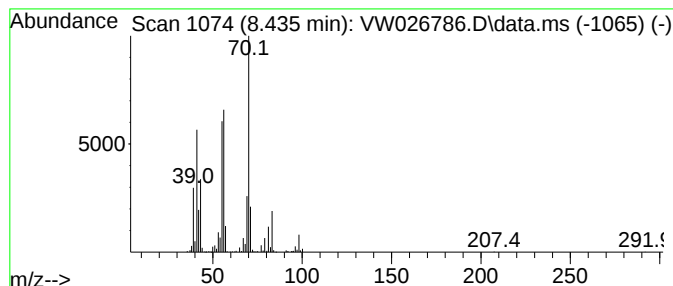
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 5 (DEL) Alkane: Cyclic8.435 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.435	6.30 ug/L	383701	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	81
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	60
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

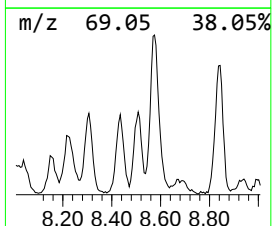
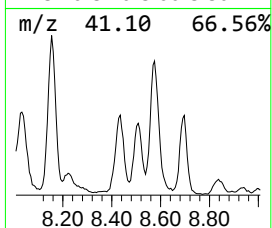
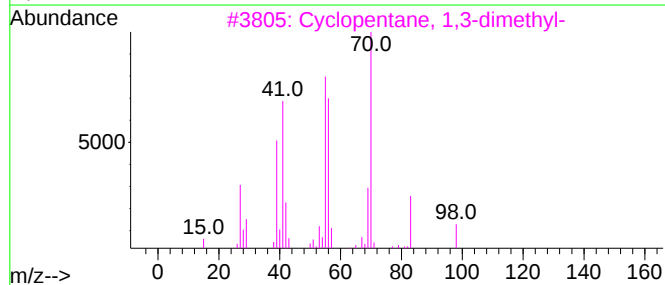
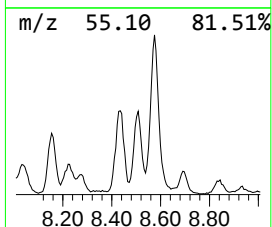
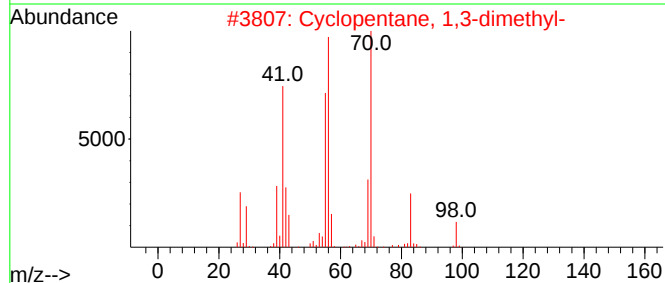
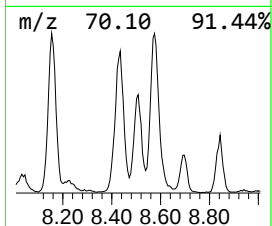
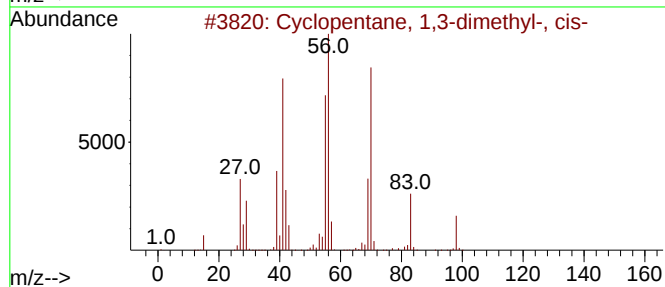
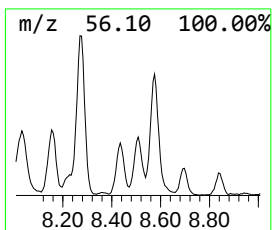
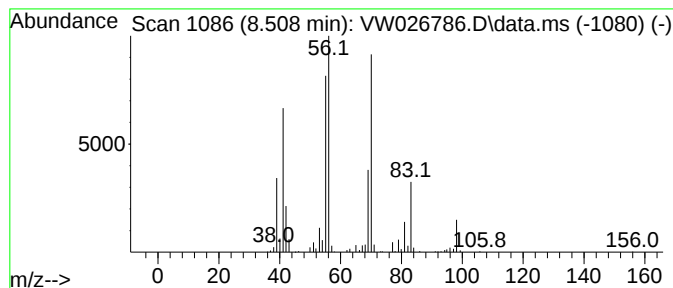
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.508 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.508	4.50 ug/L	274091	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	93
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	72
5		Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

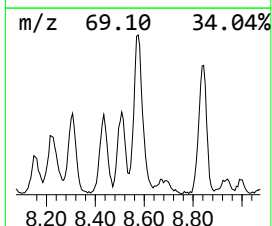
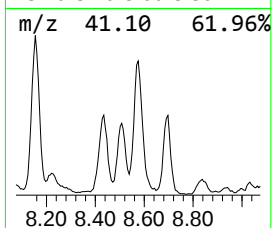
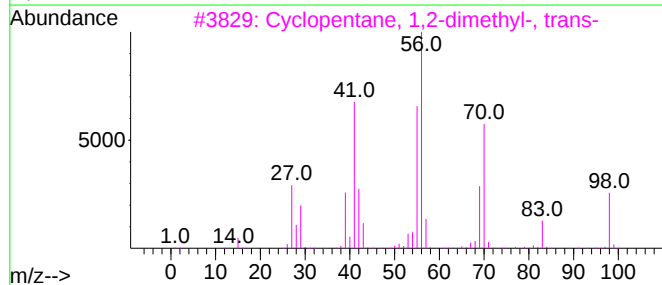
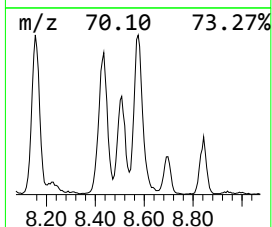
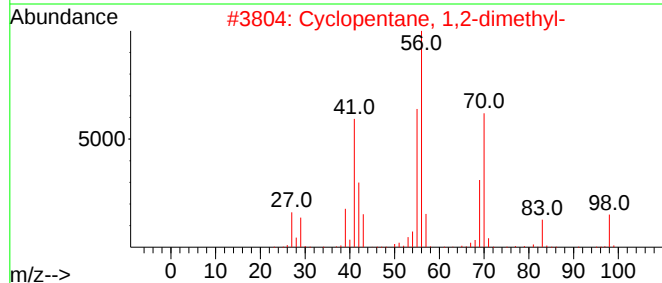
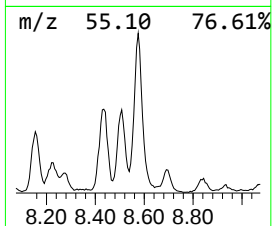
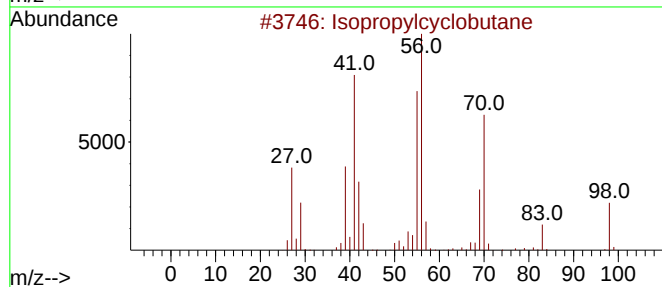
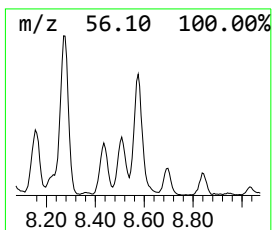
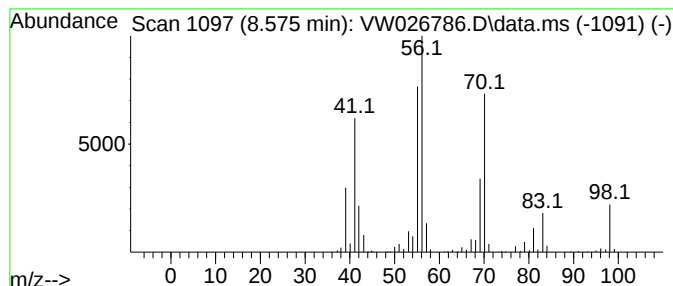
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 7 (DEL) Alkane: Cyclic8.575 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.575	9.23 ug/L	562010	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	93
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

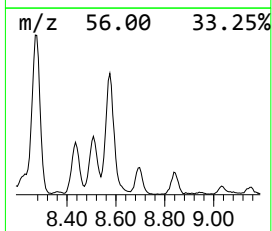
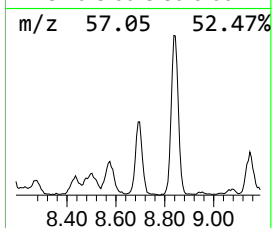
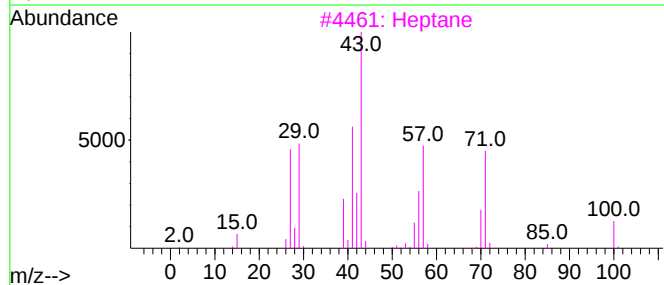
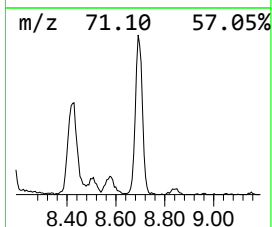
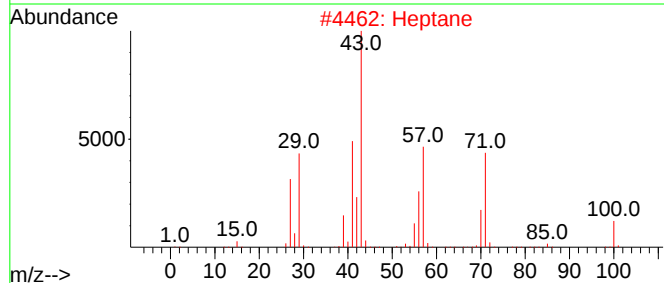
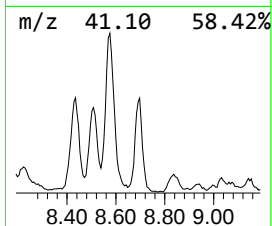
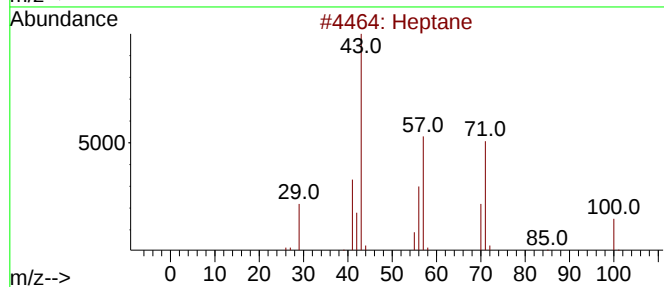
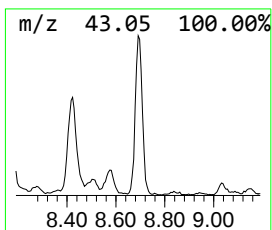
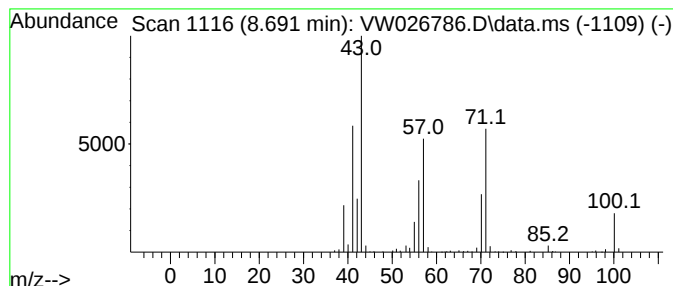
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	4.36 ug/L	265513	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane	100	C7H16	000142-82-5	91
2		Heptane	100	C7H16	000142-82-5	87
3		Heptane	100	C7H16	000142-82-5	83
4		Heptane	100	C7H16	000142-82-5	47
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

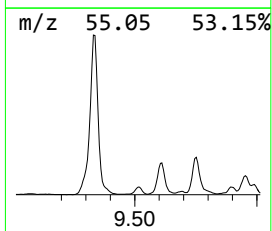
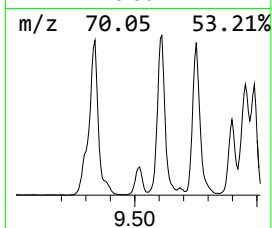
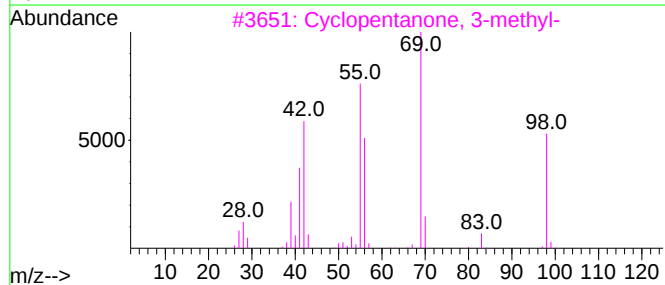
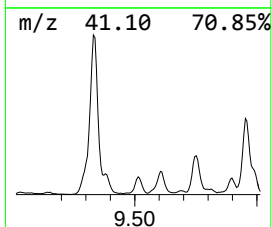
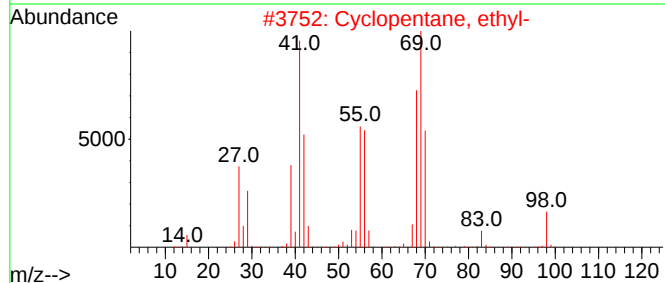
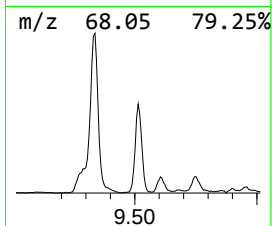
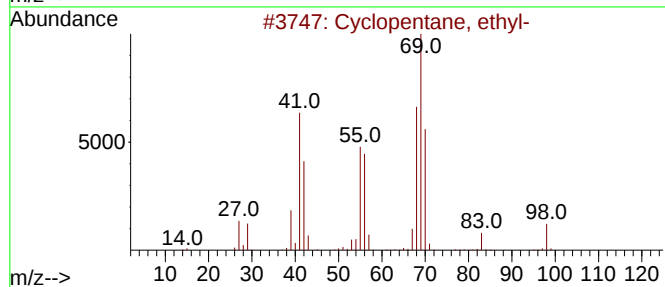
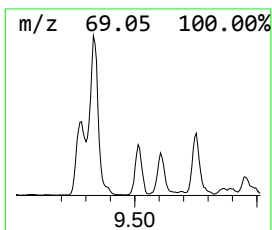
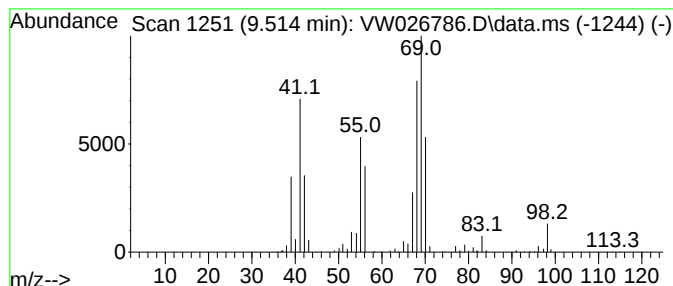
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 9 (DEL) Alkane: Cyclic9.514 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.514	4.29 ug/L	261436	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	76
3	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	43
4	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

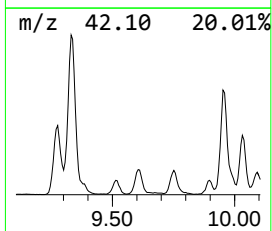
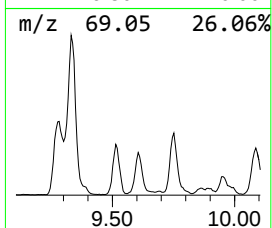
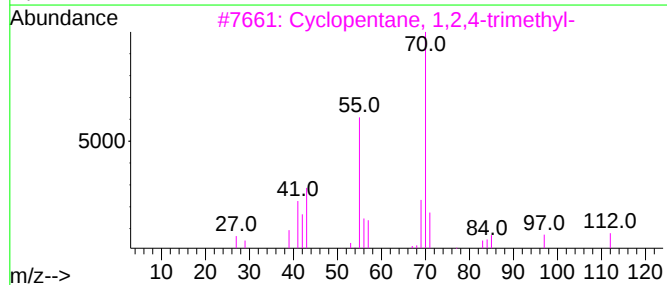
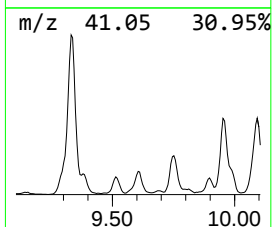
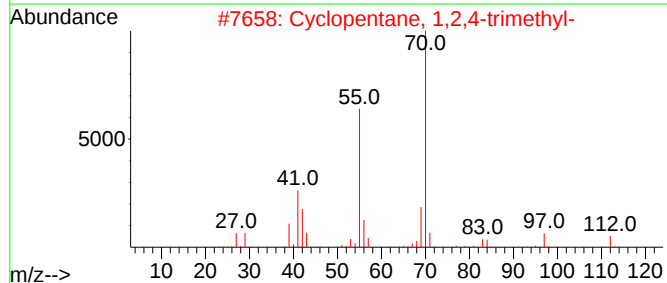
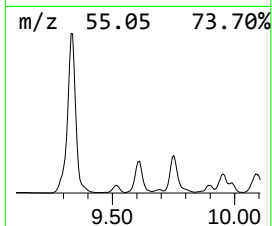
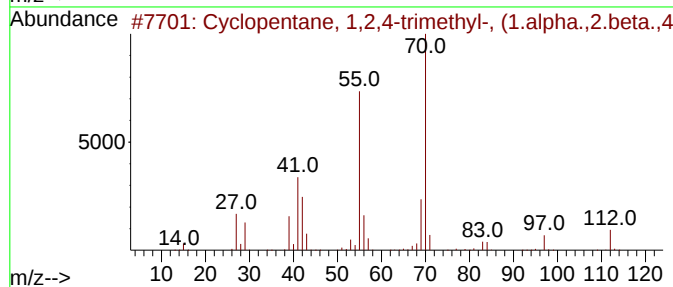
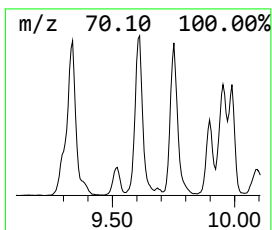
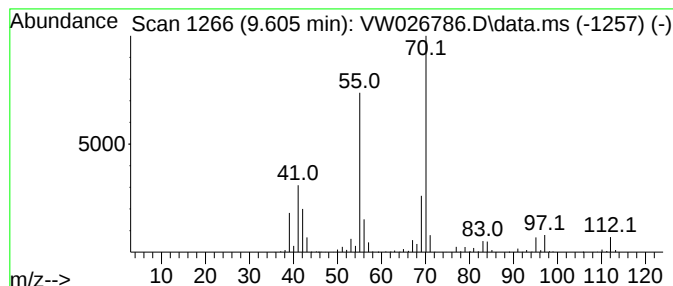
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic9.605 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	10.72 ug/L	652359	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	93
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

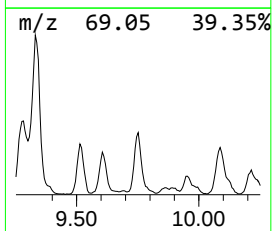
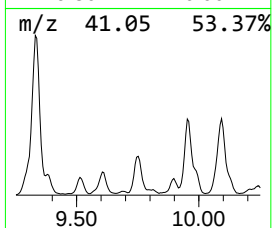
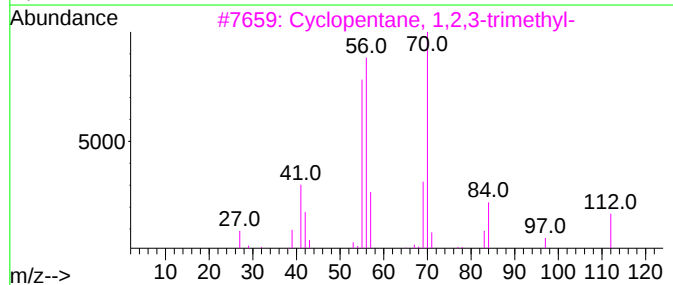
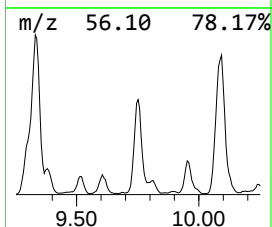
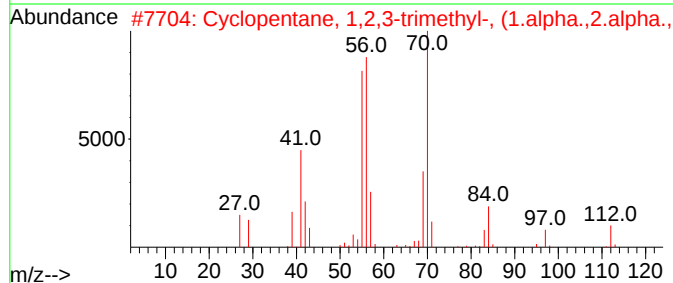
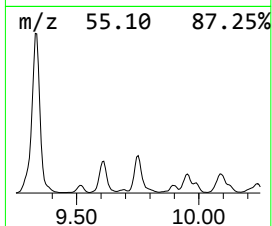
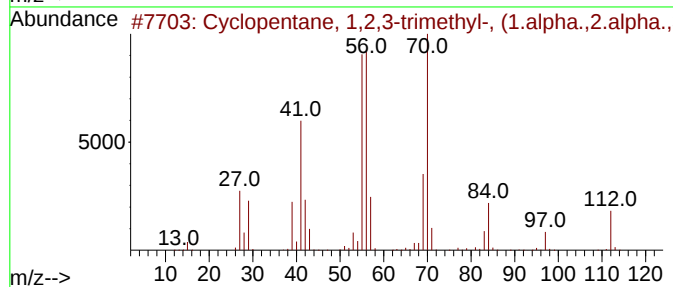
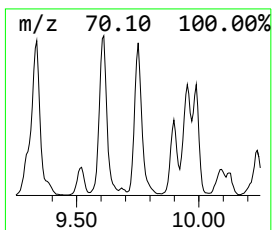
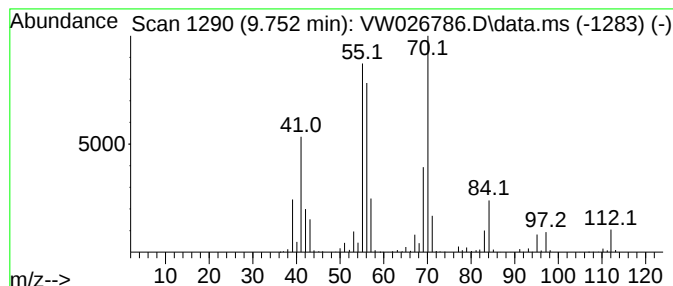
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic9.752 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	15.06 ug/L	916751	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	81
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

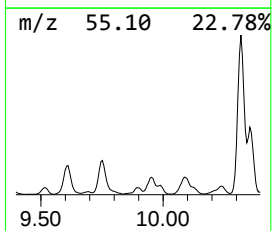
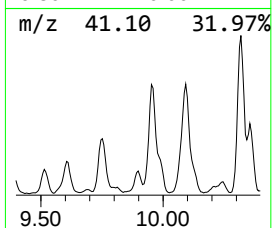
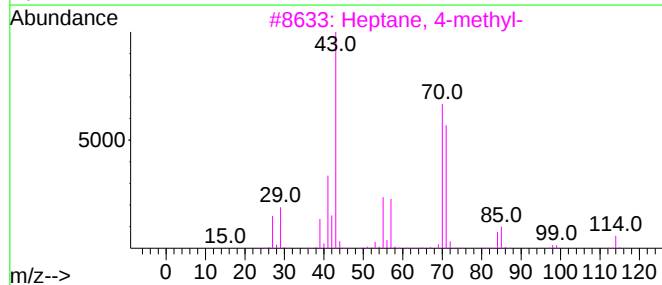
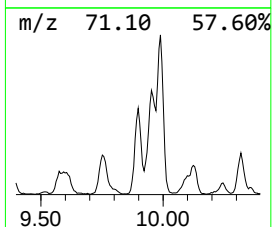
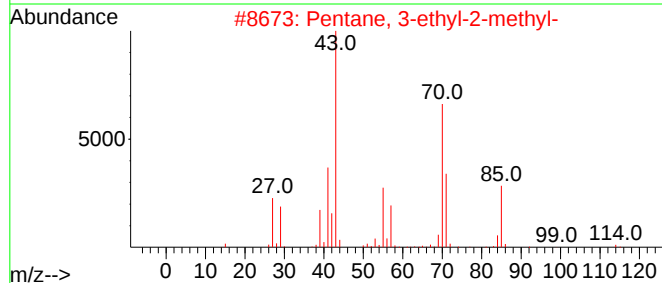
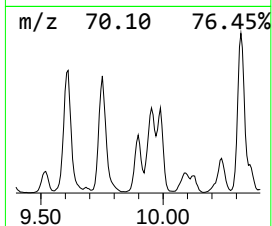
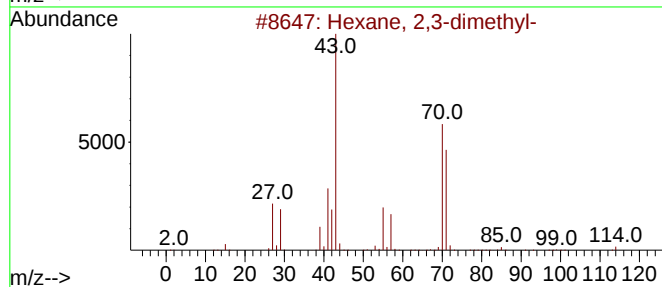
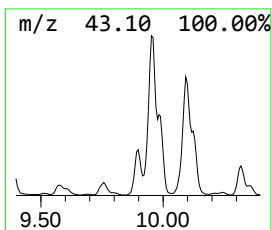
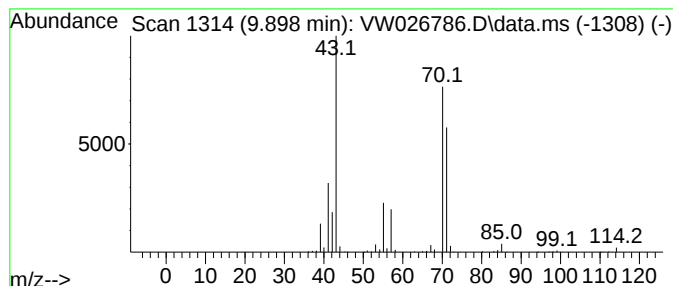
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	4.95 ug/L	301490	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	74
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

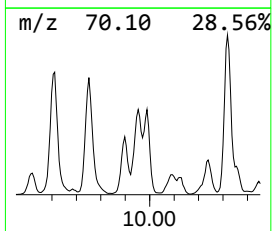
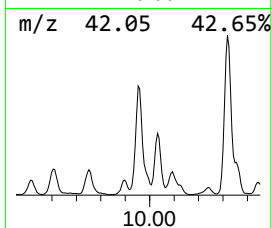
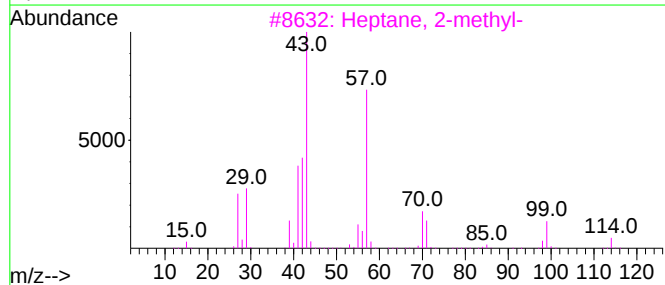
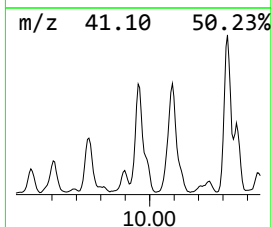
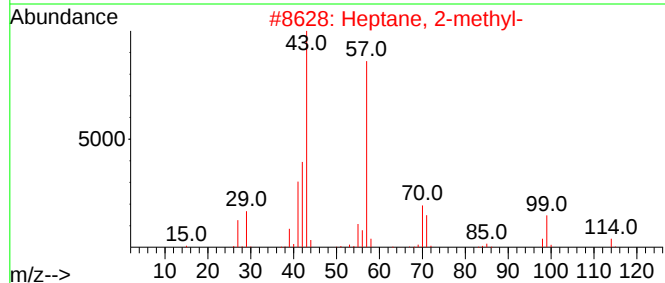
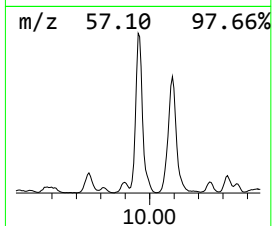
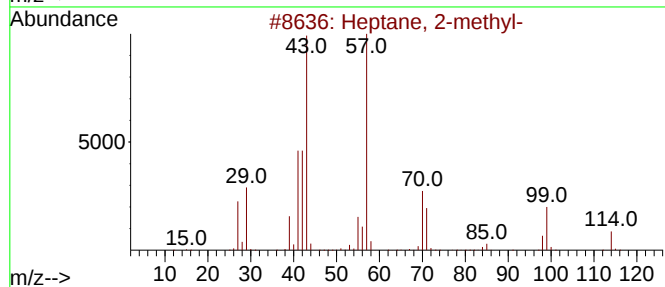
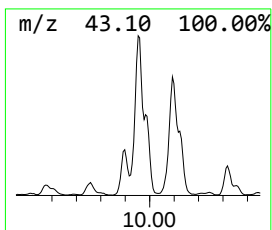
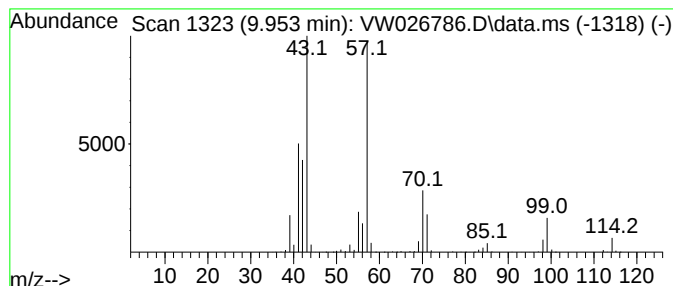
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	19.81 ug/L	1206190	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	90
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
5		Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

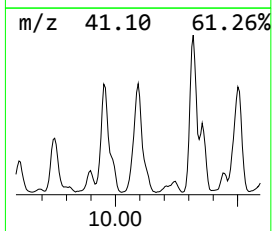
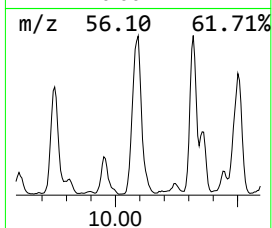
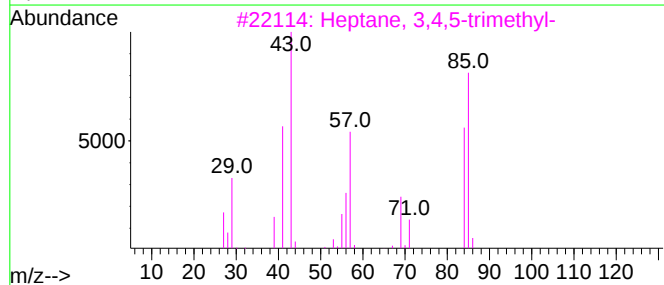
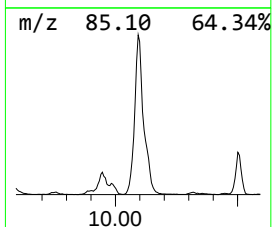
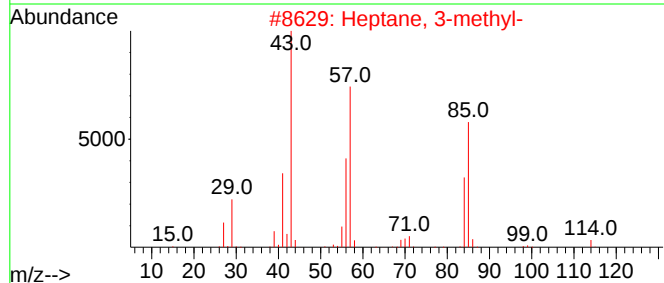
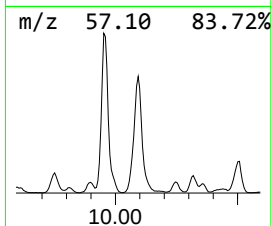
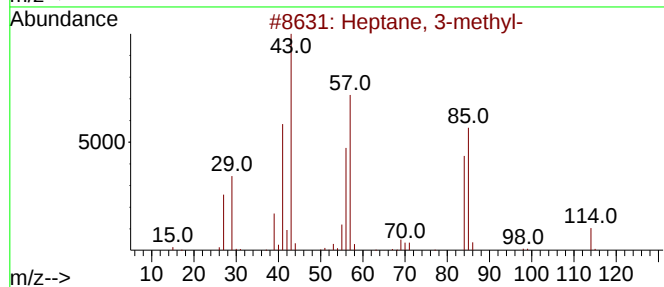
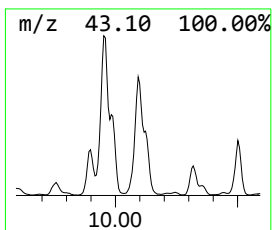
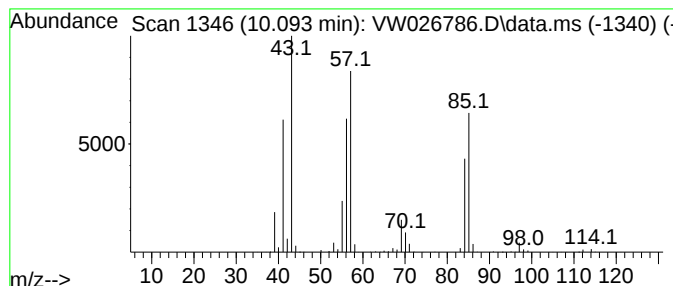
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 15 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.093	29.26 ug/L	1781080	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

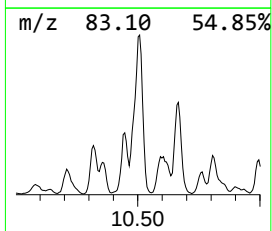
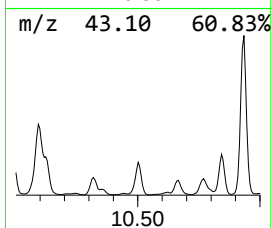
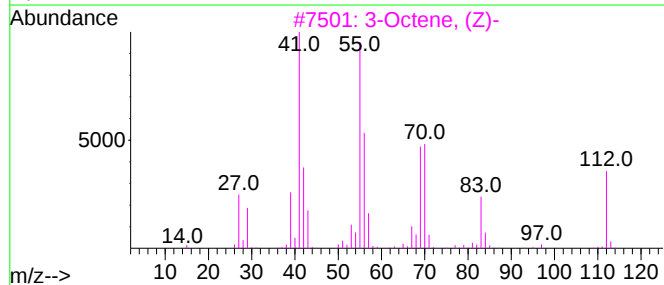
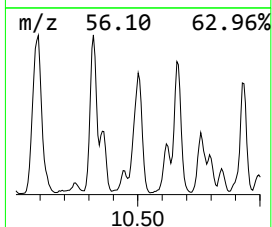
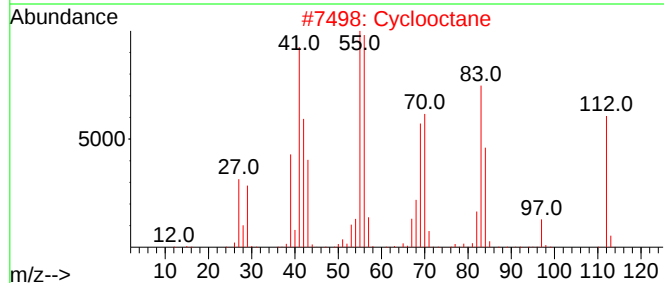
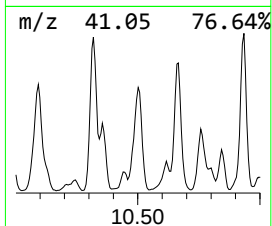
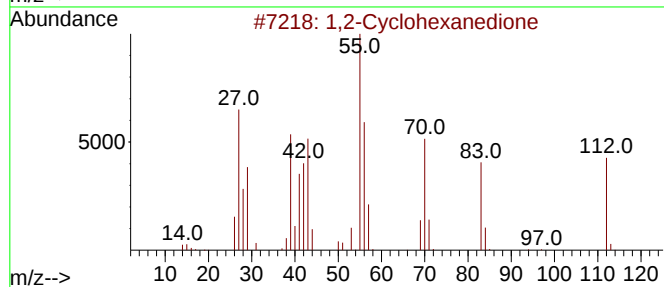
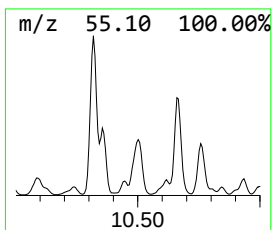
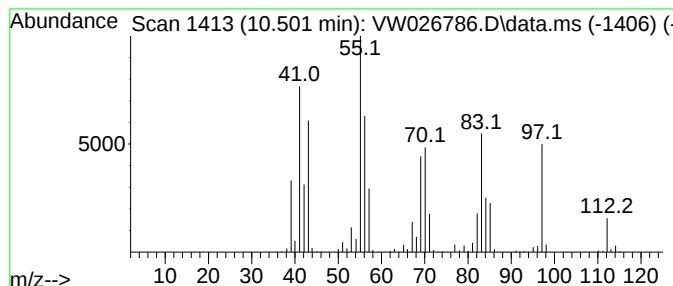
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 1,2-Cyclohexanedione Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	33.42 ug/L	1825960	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	62
2		Cyclooctane	112	C8H16	000292-64-8	62
3		3-Octene, (Z)-	112	C8H16	014850-22-7	60
4		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52
5		Cycloheptane, methyl-	112	C8H16	004126-78-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

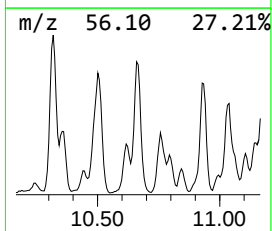
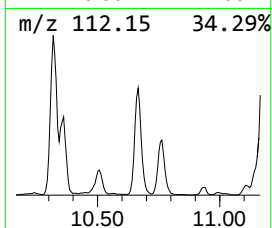
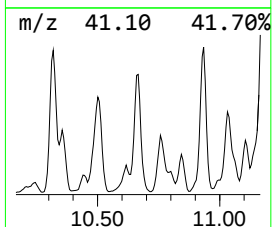
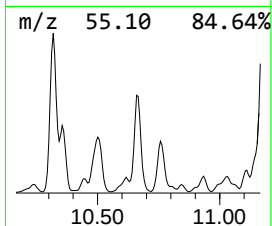
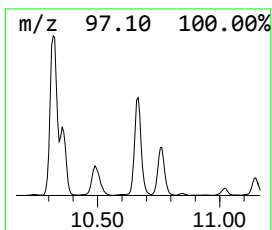
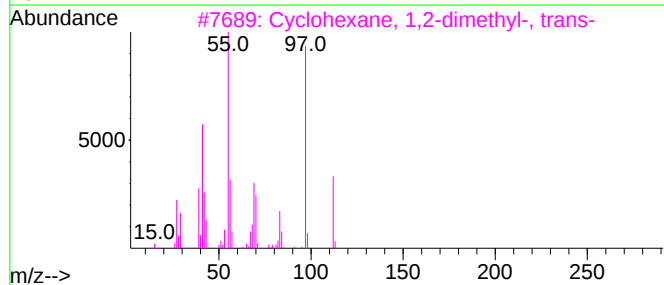
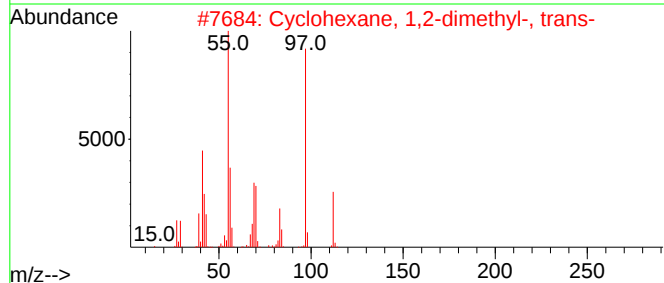
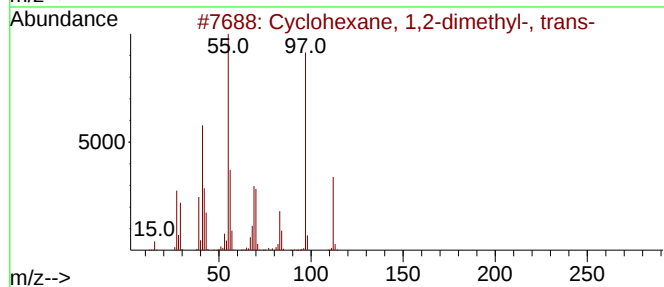
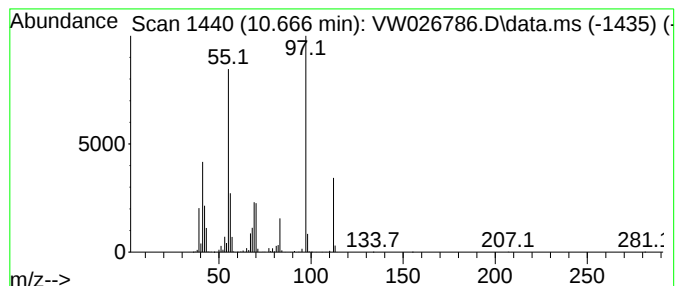
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic10.666 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	37.70 ug/L	2060360	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4		Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	91
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

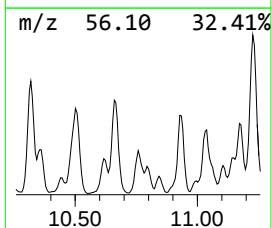
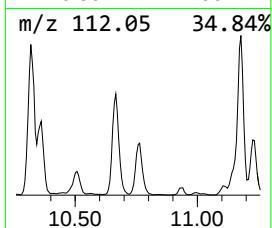
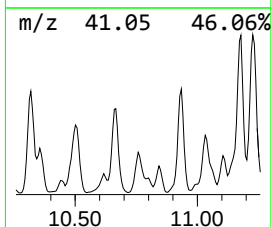
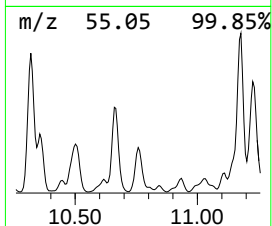
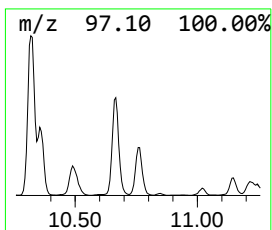
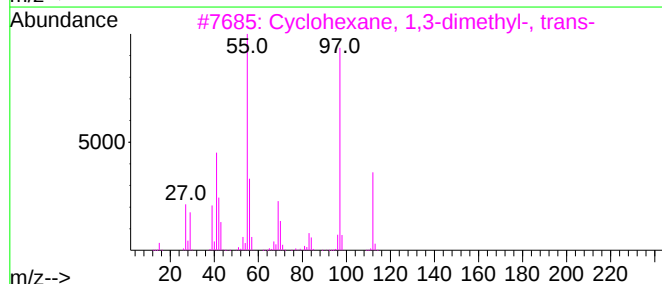
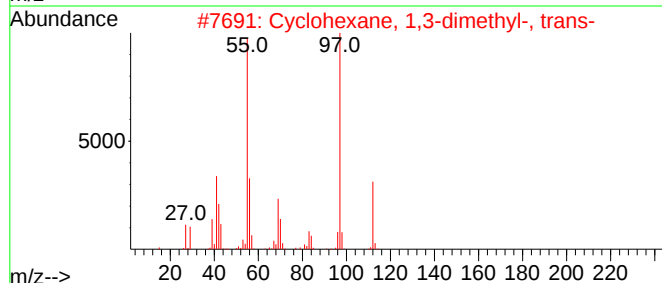
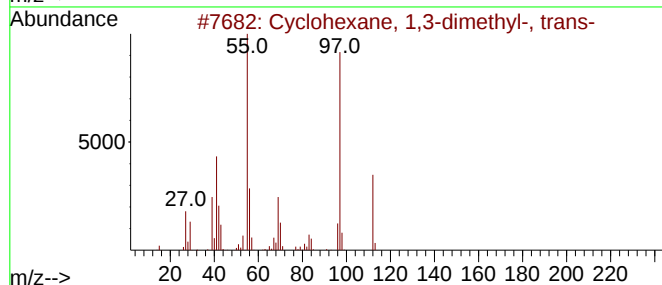
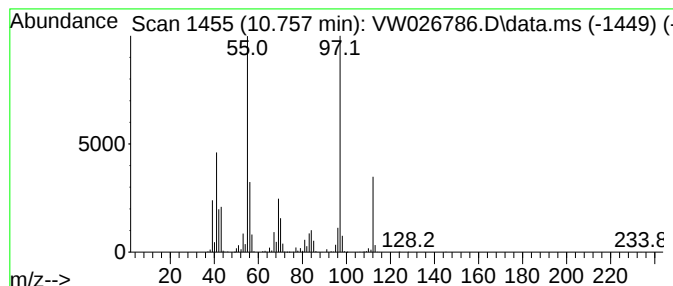
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.757 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	20.16 ug/L	1101640	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

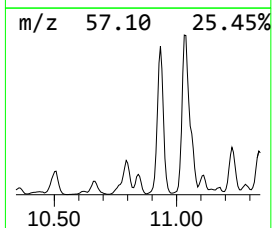
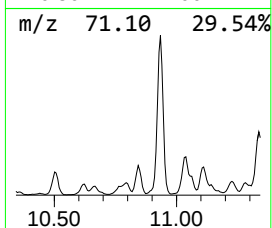
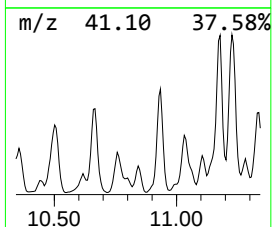
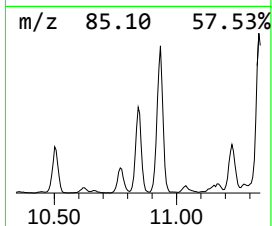
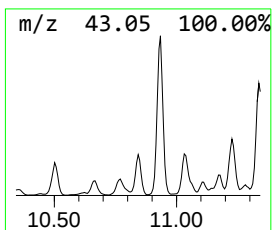
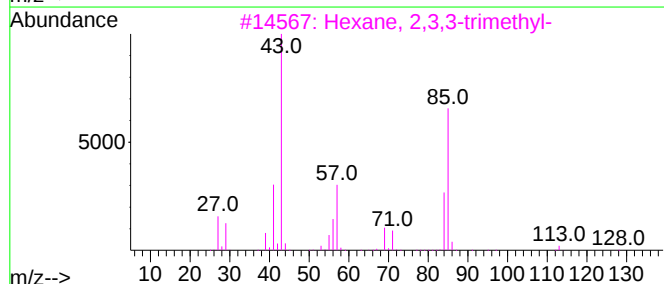
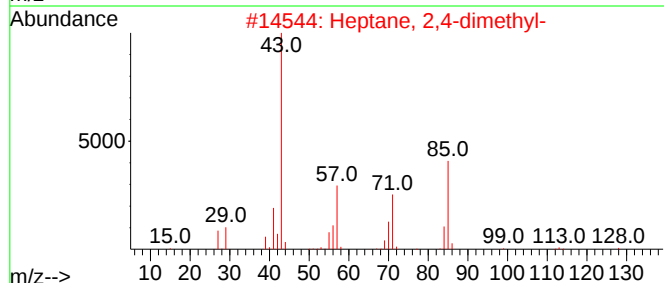
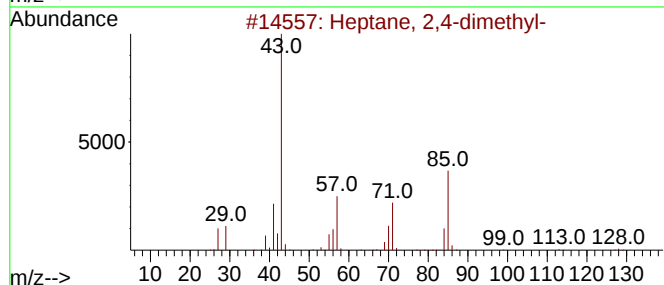
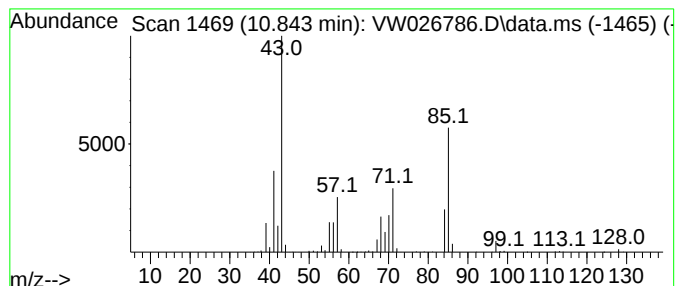
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 19 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.843	9.29 ug/L	507855	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	74
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
4	1-Pentanol, 2,2-dimethyl-	116	C7H16O	002370-12-9	53
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

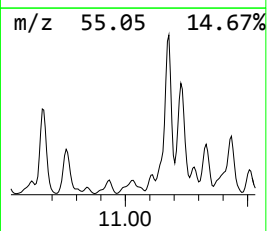
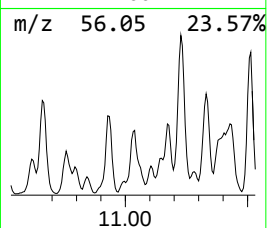
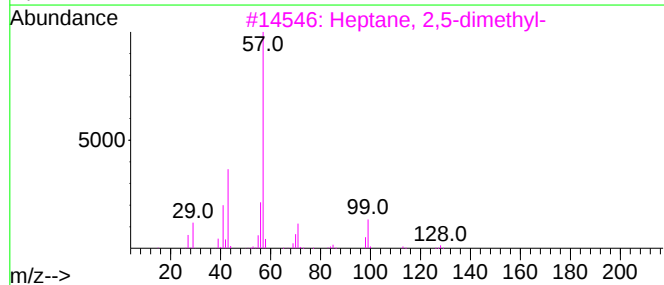
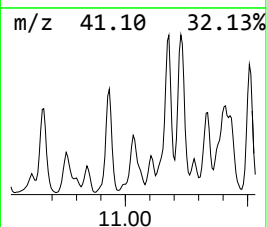
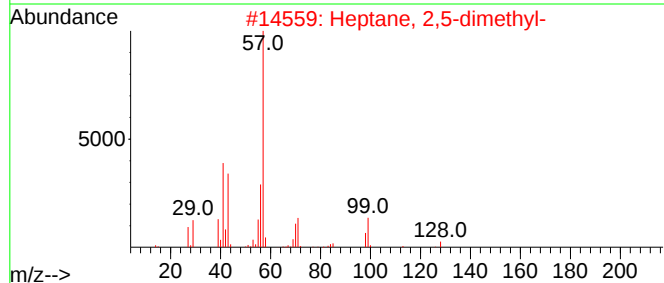
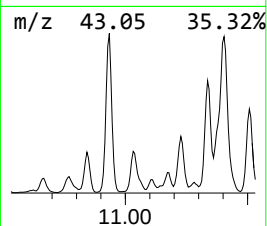
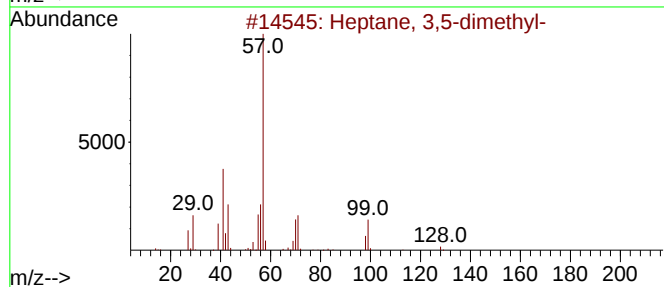
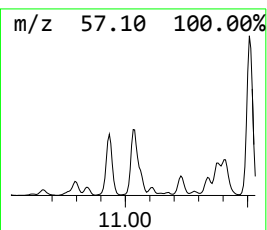
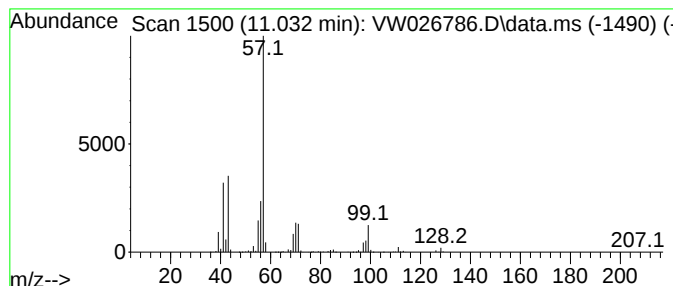
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	26.76 ug/L	1462540	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

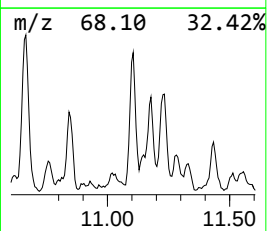
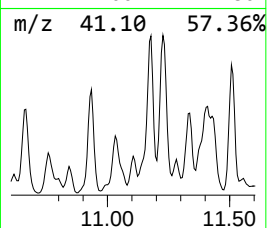
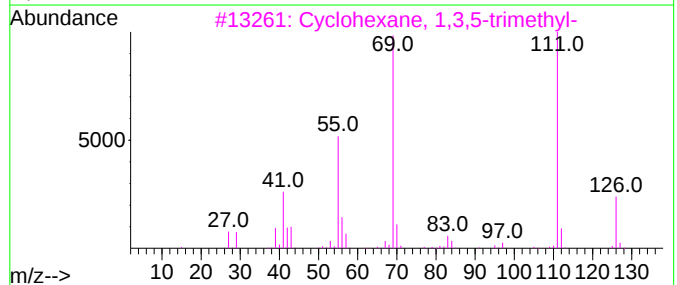
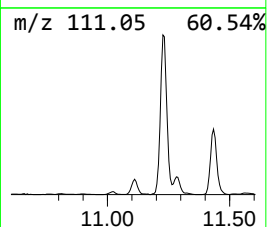
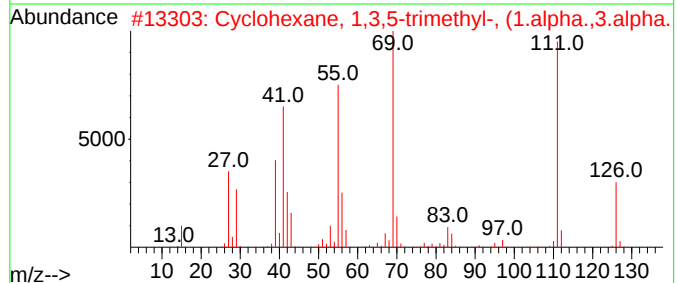
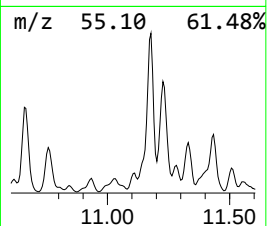
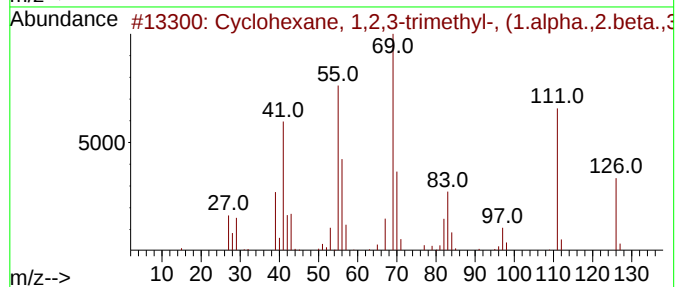
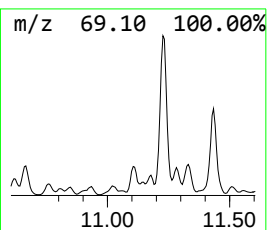
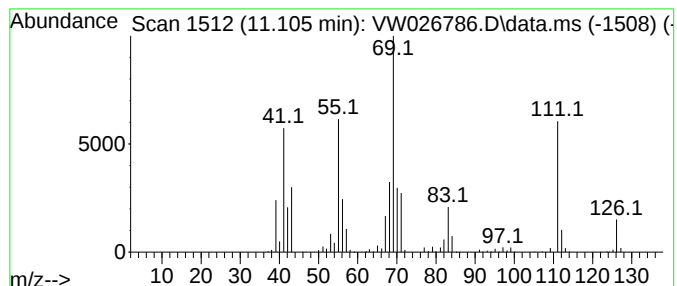
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.105 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	10.08 ug/L	550652	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	76
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	58
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

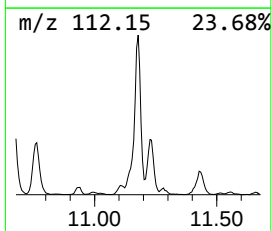
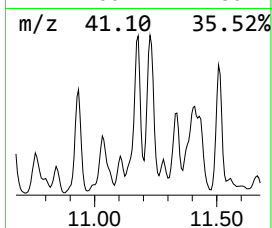
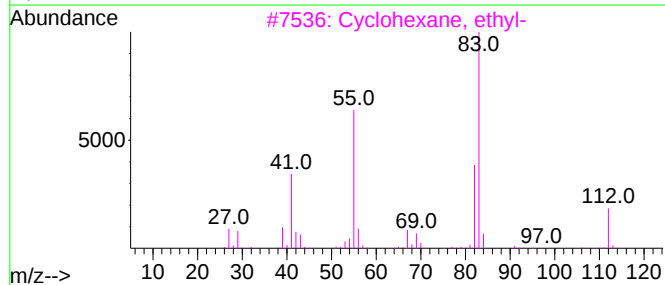
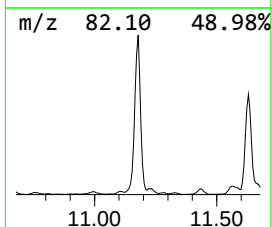
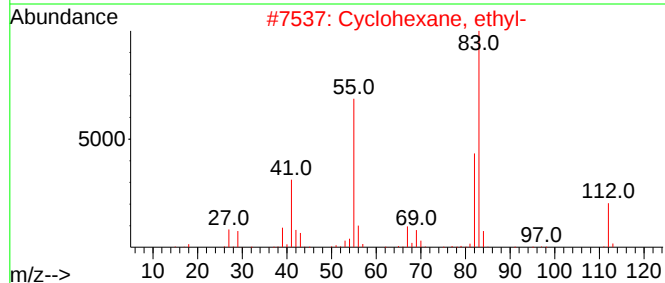
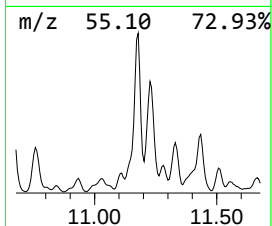
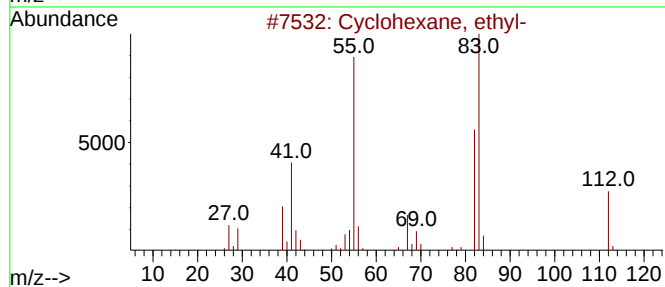
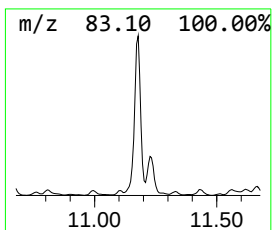
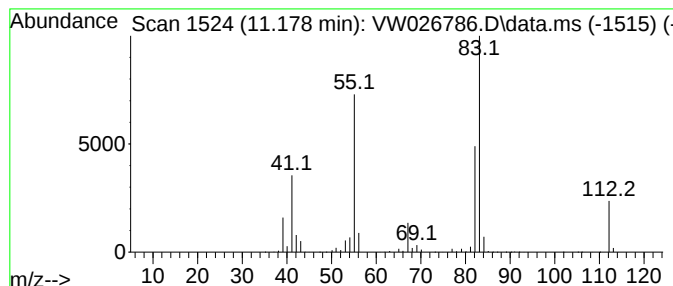
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 22 (DEL) Alkane: Cyclic11.178 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.178	51.79 ug/L	2830050	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

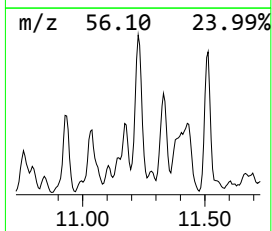
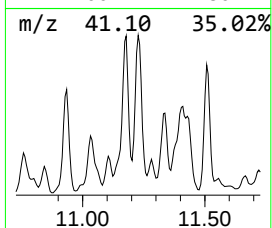
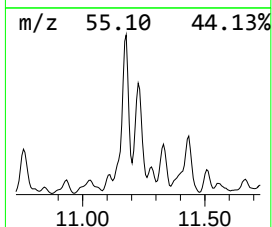
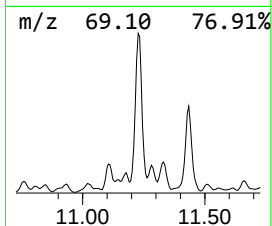
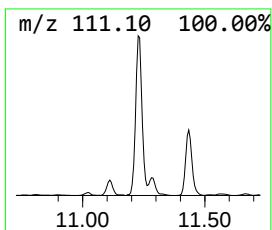
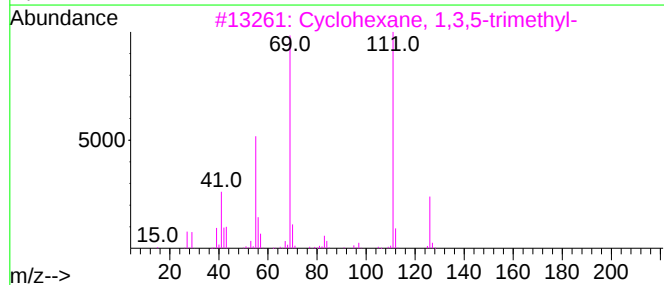
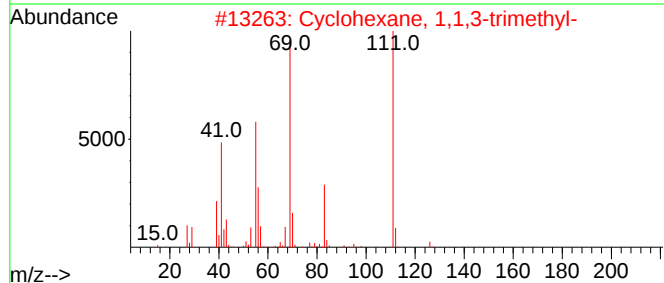
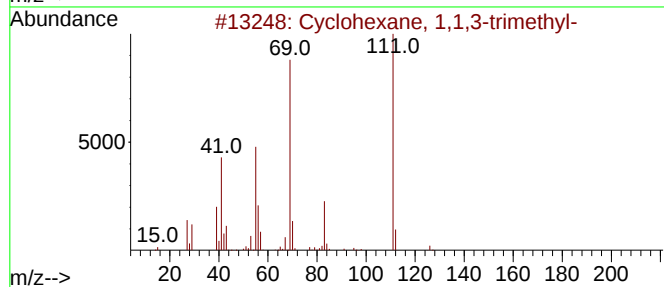
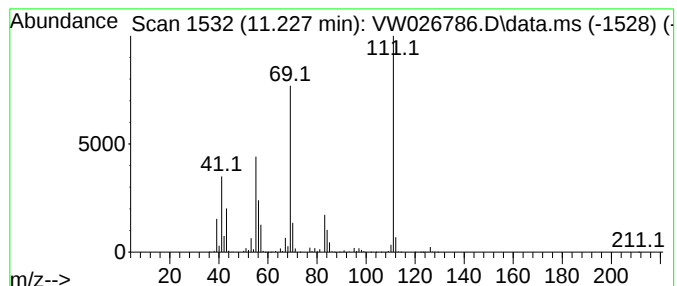
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.227 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	61.77 ug/L	3375170	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72
5		6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

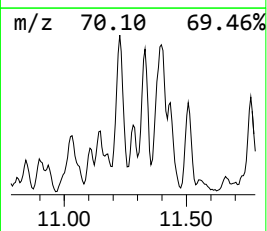
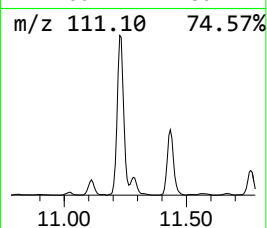
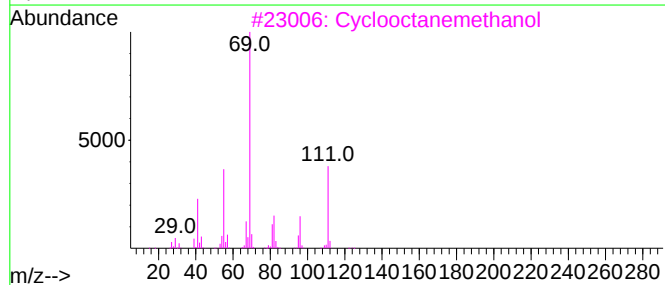
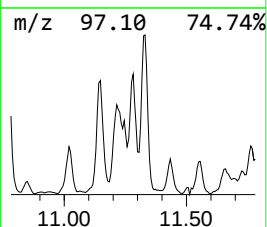
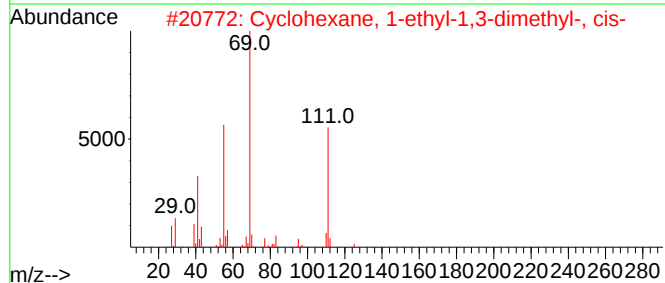
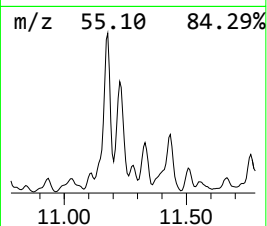
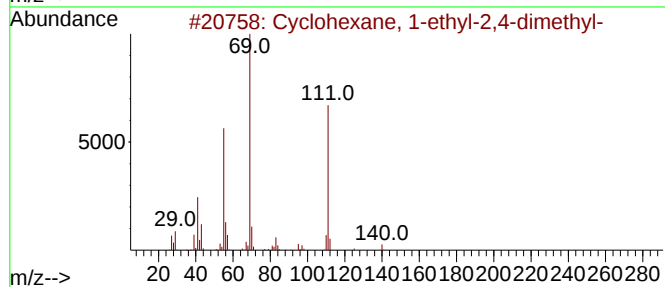
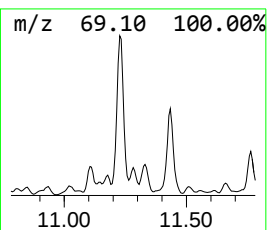
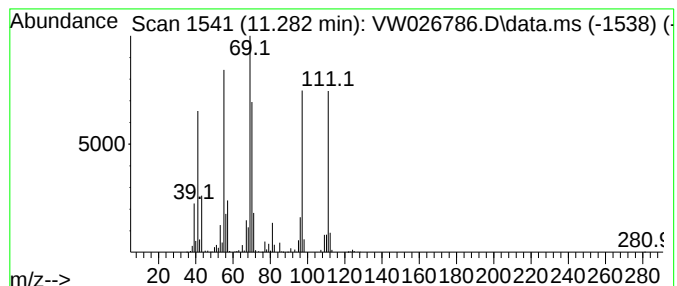
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.282 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	5.12 ug/L	279548	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47
2			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	47
3			Cyclooctanemethanol	142	C9H18O	003637-63-6	43
4			4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	38
5			Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

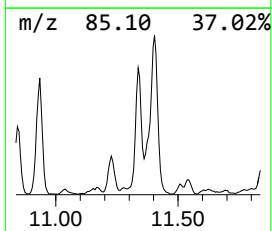
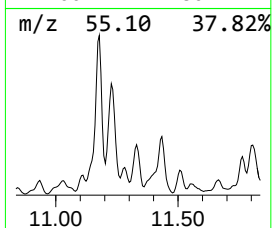
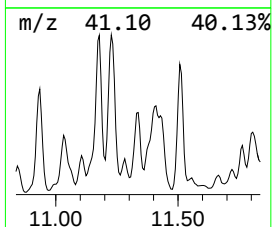
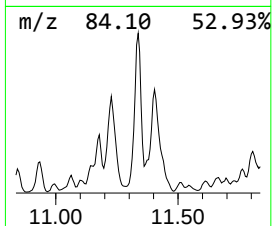
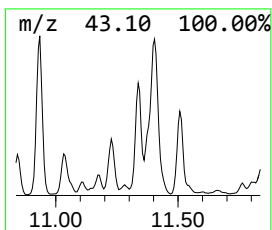
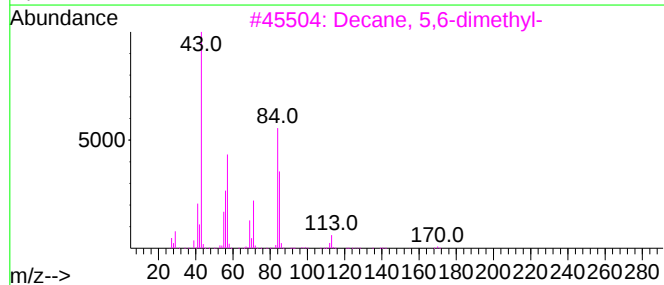
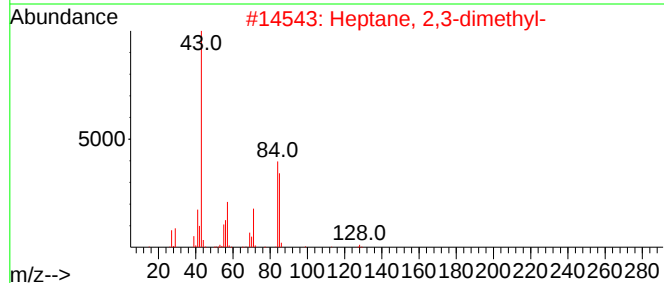
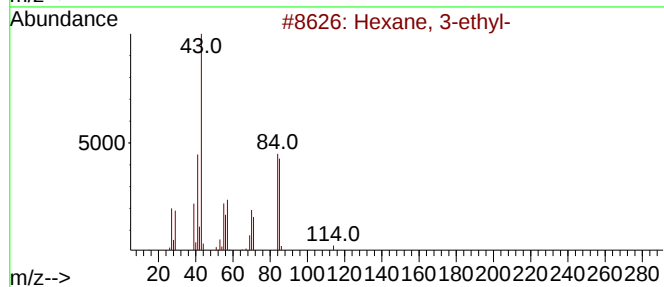
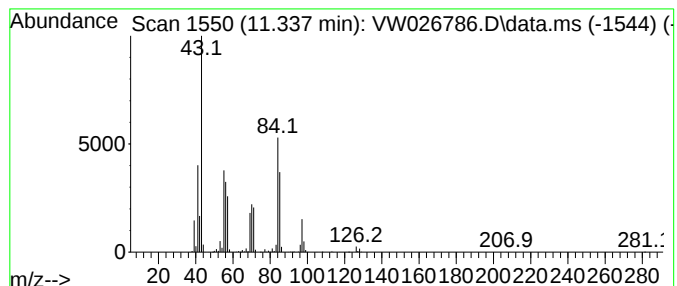
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 25 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	26.41 ug/L	1442950	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-		114	C8H18	000619-99-8	64
2	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	58
3	Decane, 5,6-dimethyl-		170	C12H26	001636-43-7	50
4	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	46
5	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

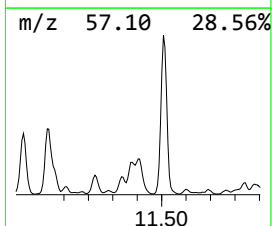
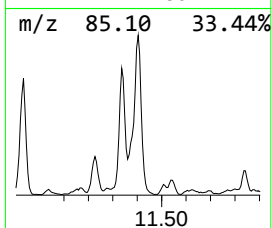
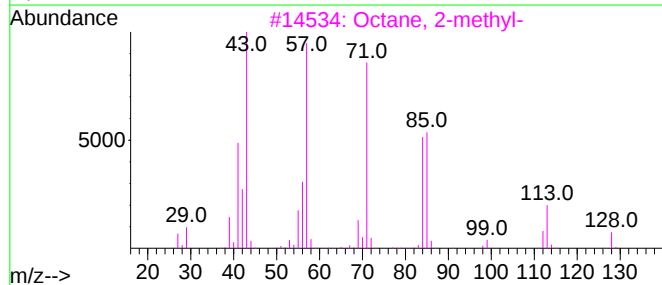
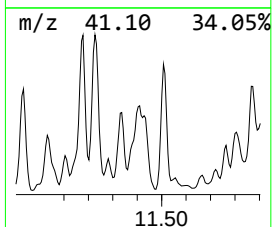
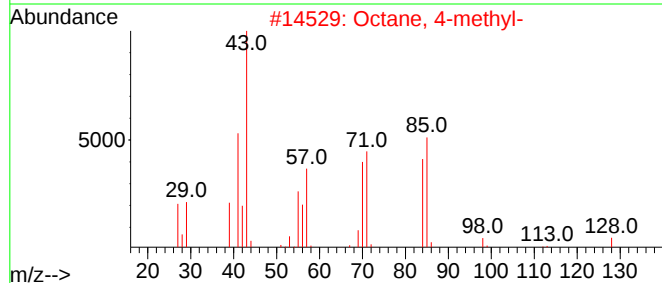
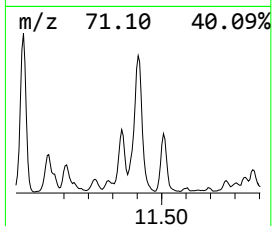
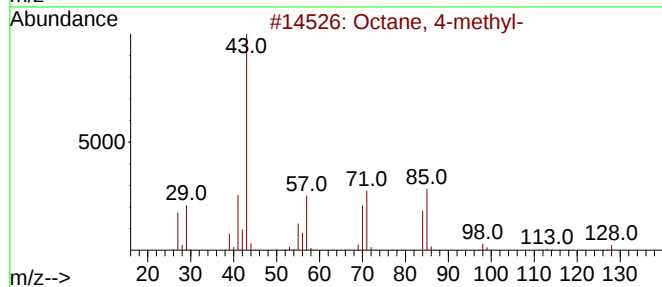
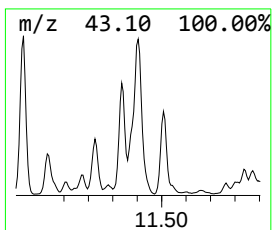
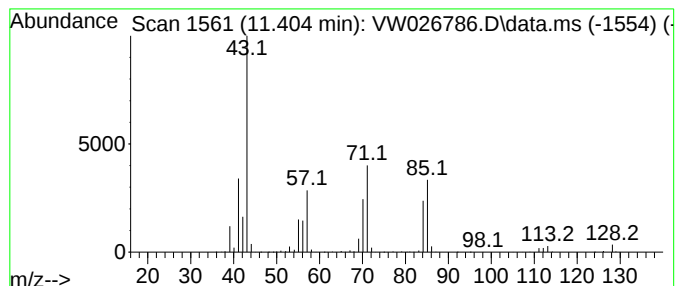
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.404	29.85 ug/L	1631310	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-			128	C9H20	002216-34-4	91
2	Octane, 4-methyl-			128	C9H20	002216-34-4	68
3	Octane, 2-methyl-			128	C9H20	003221-61-2	68
4	Octane, 4-methyl-			128	C9H20	002216-34-4	64
5	Ether, hexyl pentyl			172	C11H24O	032357-83-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

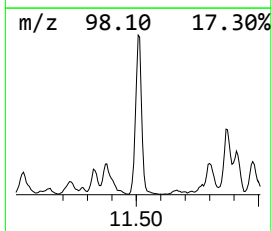
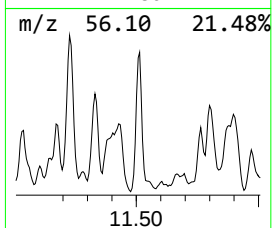
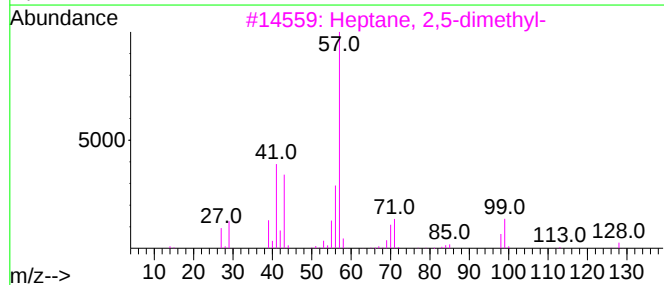
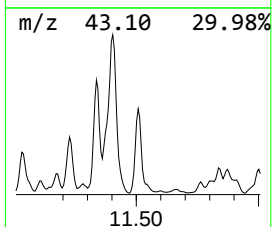
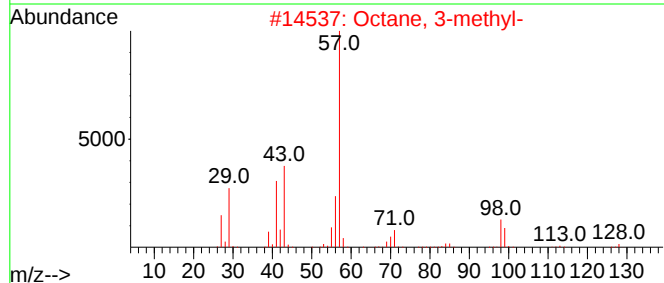
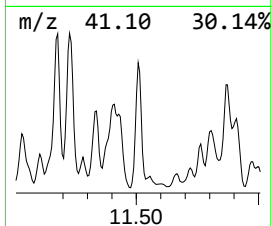
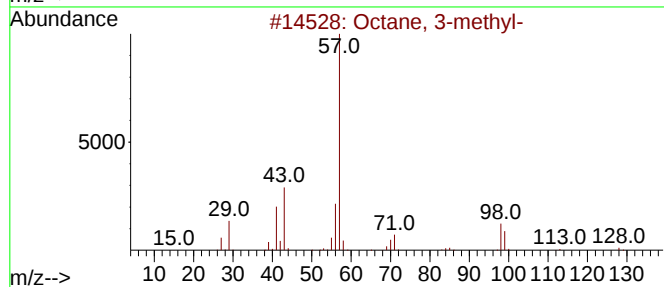
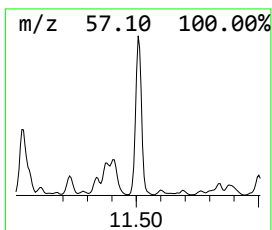
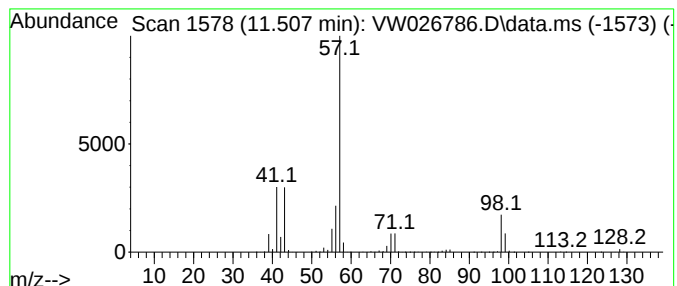
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	38.55 ug/L	2106580	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4		Octane, 3-methyl-	128	C9H20	002216-33-3	80
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

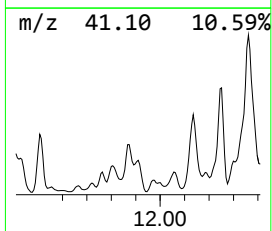
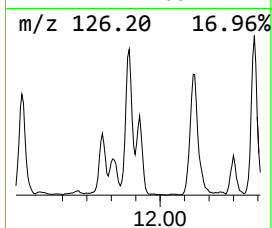
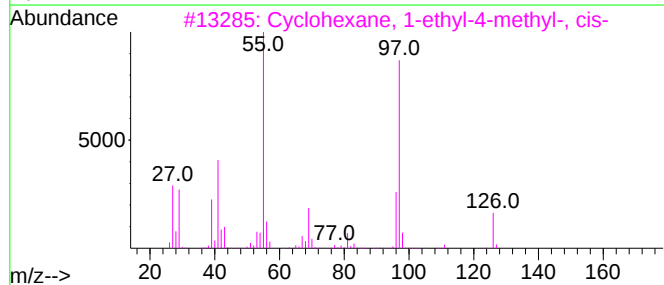
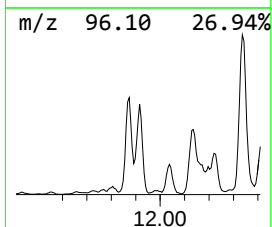
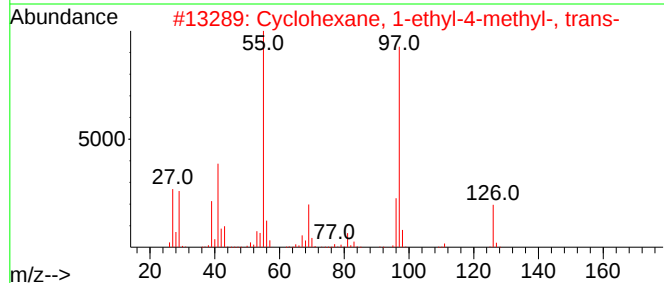
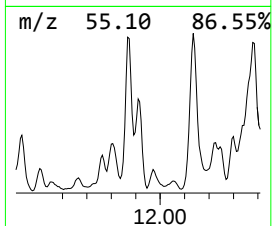
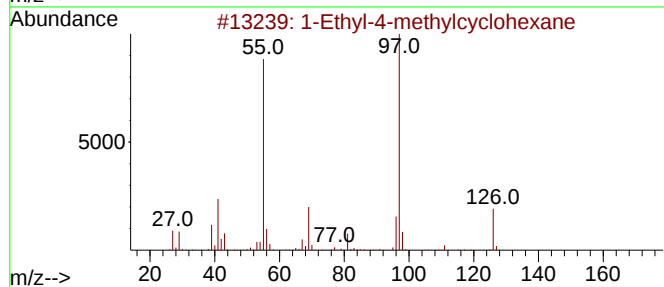
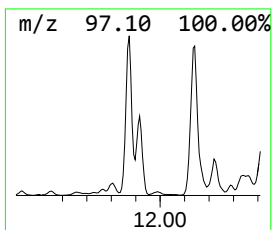
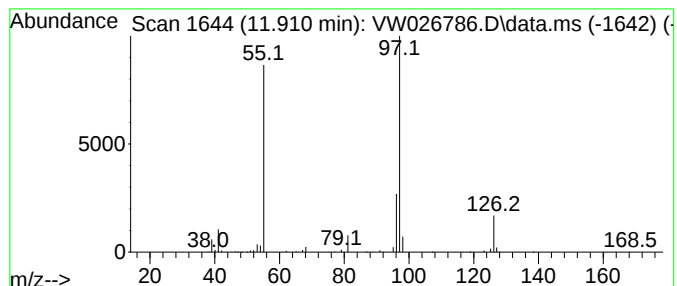
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.910 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	26.90 ug/L	1469740	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
5		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

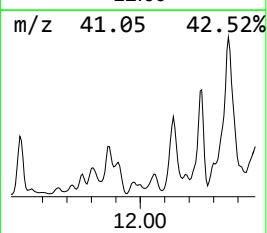
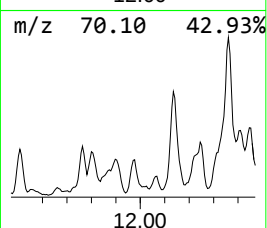
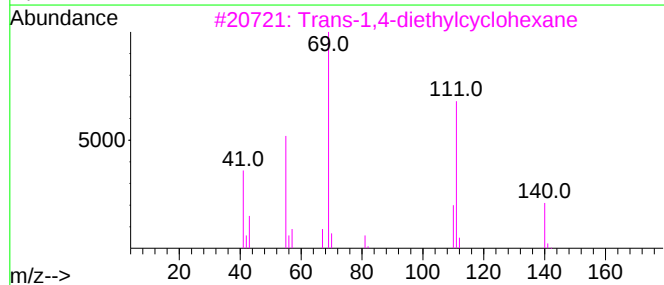
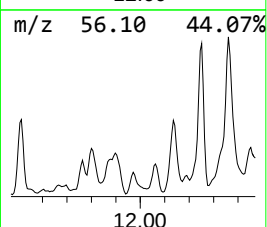
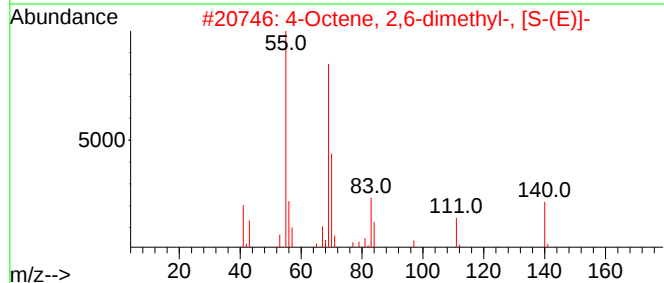
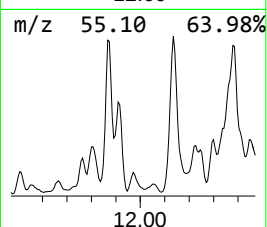
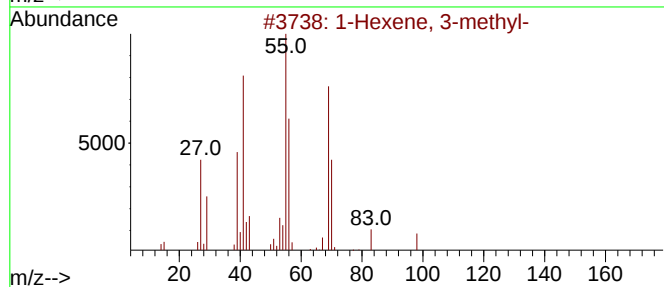
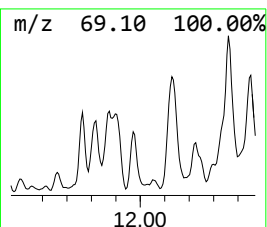
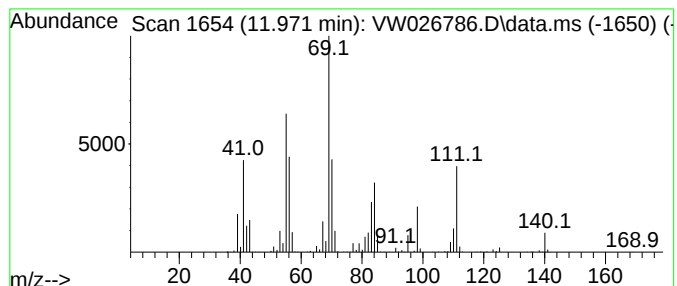
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 29 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.971	18.23 ug/L	995963	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	58
2	4-Octene, 2,6-dimethyl-, [S-(E)]-		140	C10H20	062960-76-3	53
3	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	50
4	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	50
5	Cyclohexane, 1,1,2-trimethyl-		126	C9H18	007094-26-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

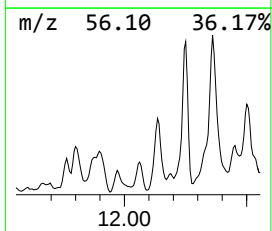
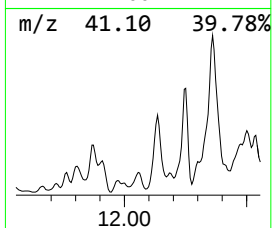
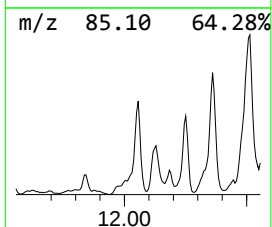
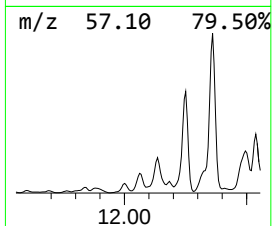
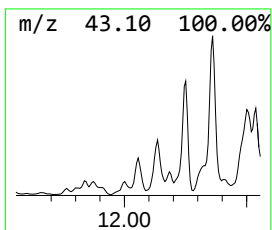
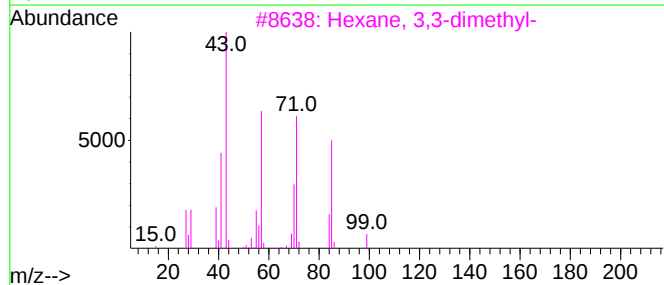
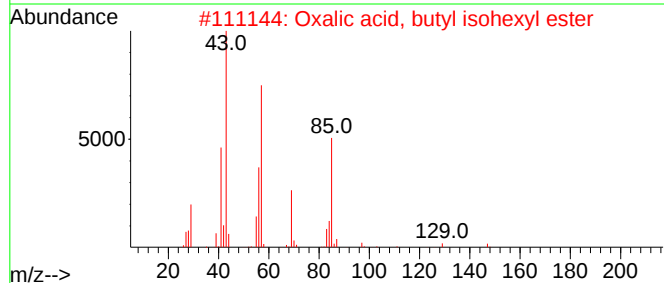
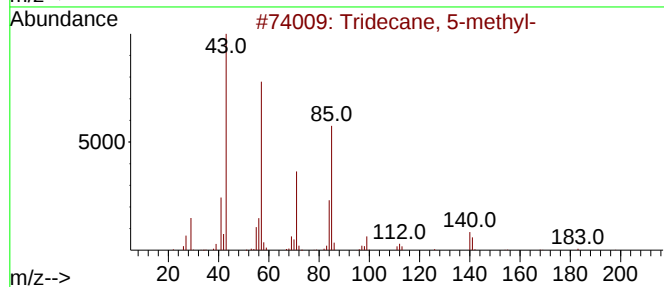
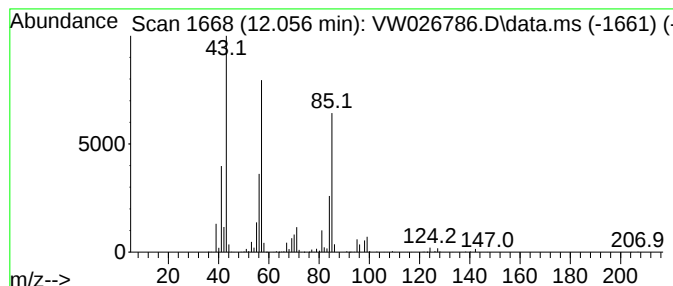
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 30 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.056	21.11 ug/L	1153690	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-methyl-	198	C14H30	025117-31-1	59
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	53
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	50
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

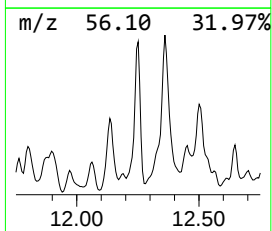
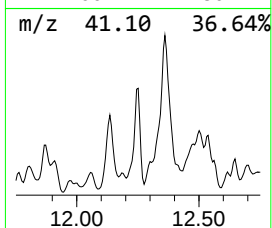
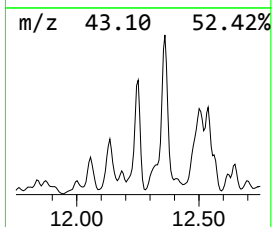
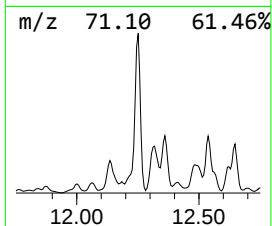
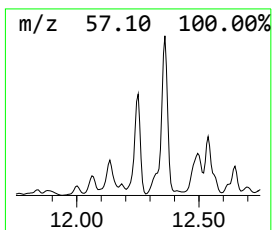
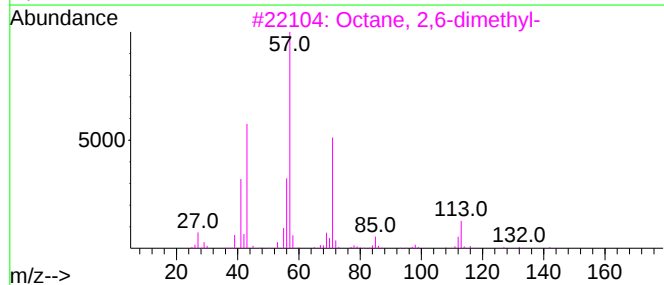
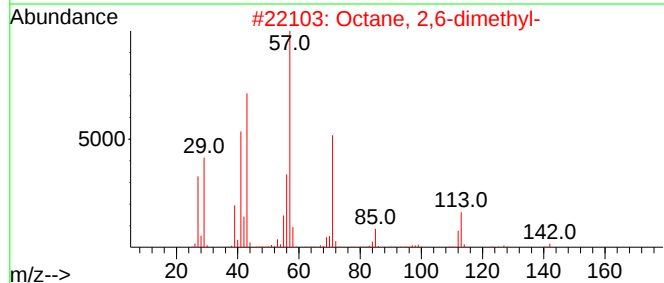
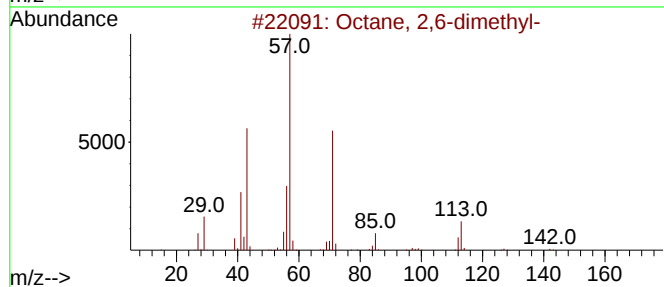
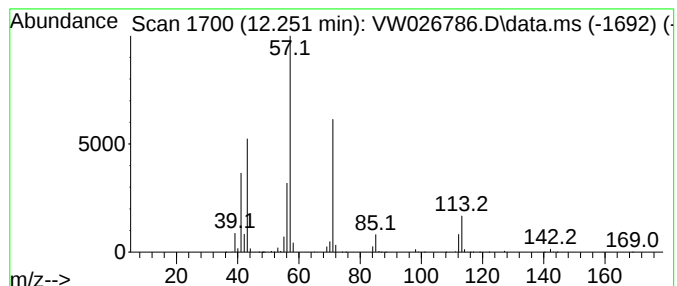
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 31 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.251	79.34 ug/L	4335450	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

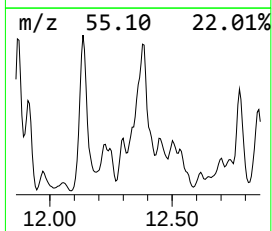
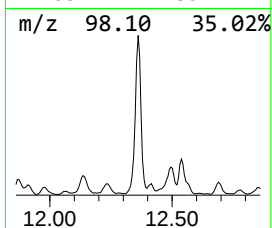
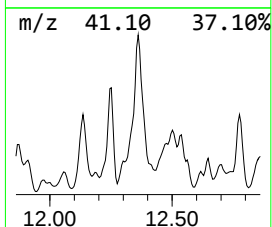
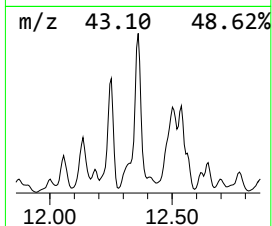
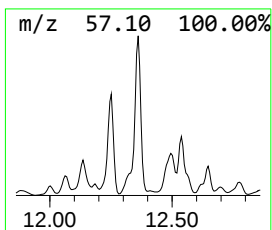
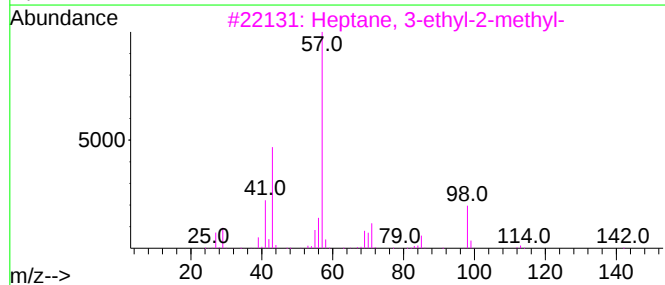
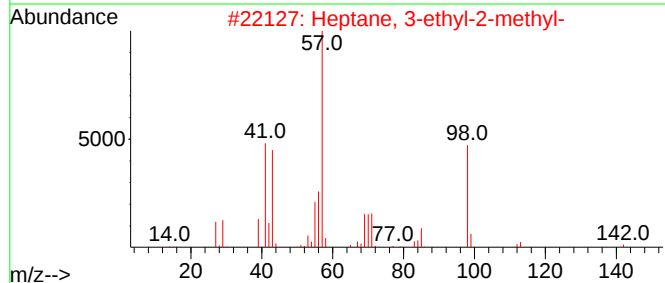
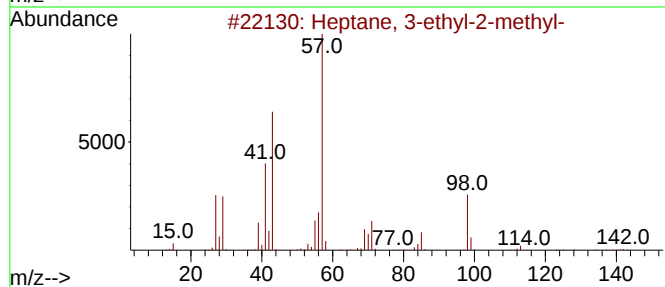
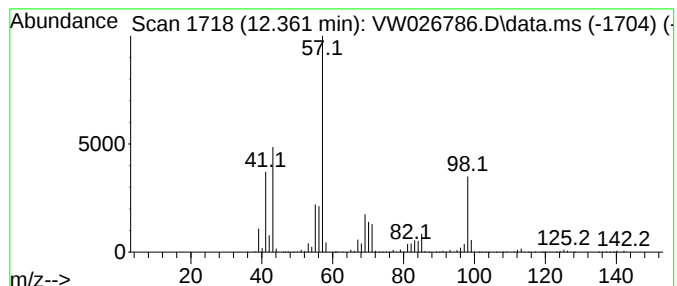
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	243.41 ug/L	13301300	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	91
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
5			3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

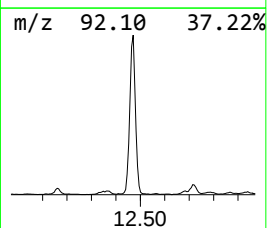
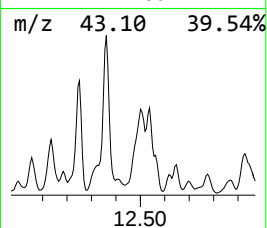
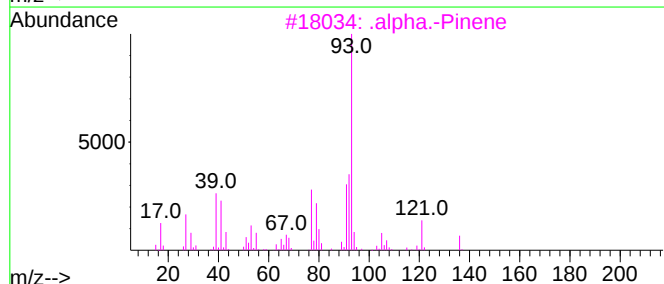
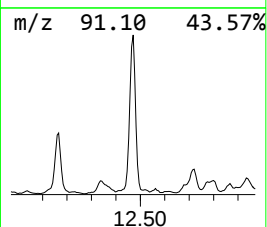
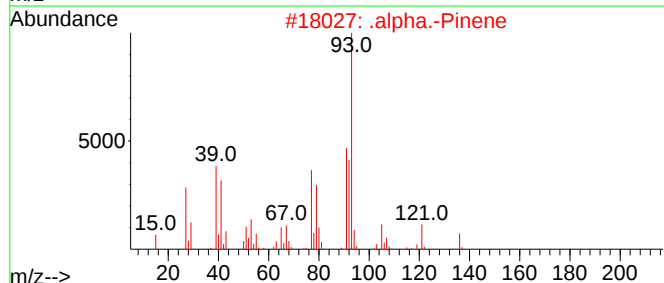
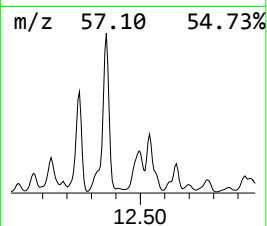
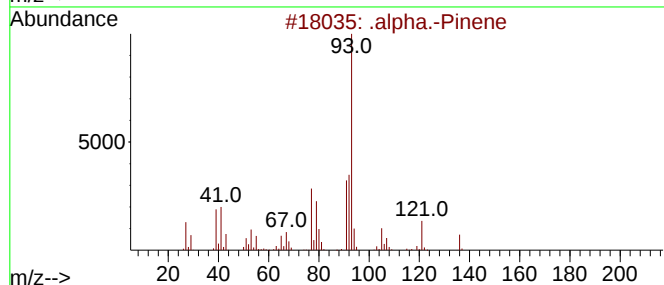
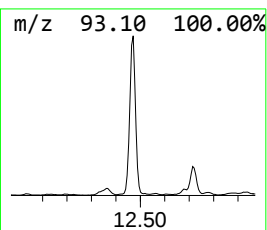
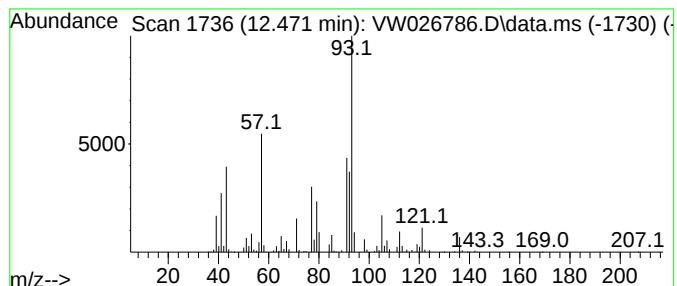
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 33 .alpha.-Pinene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.470	43.75 ug/L	2390950	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	.alpha.-Pinene		136	C10H16	000080-56-8	95
2	.alpha.-Pinene		136	C10H16	000080-56-8	93
3	.alpha.-Pinene		136	C10H16	000080-56-8	90
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...		136	C10H16	004889-83-2	90
5	.gamma.-Terpinene		136	C10H16	000099-85-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

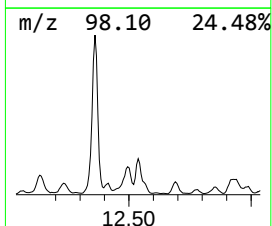
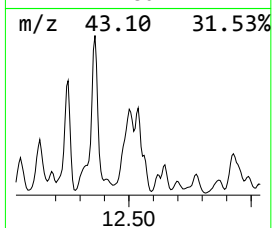
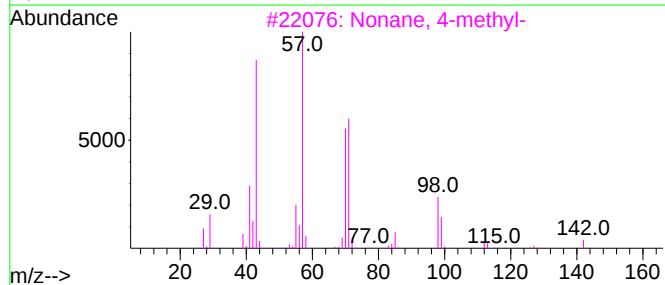
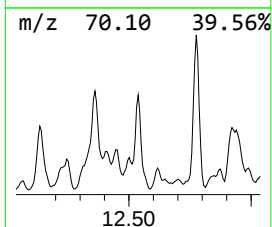
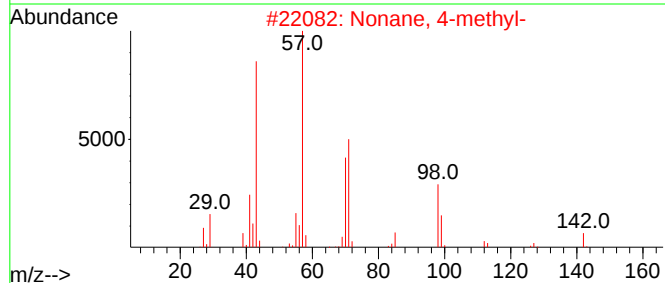
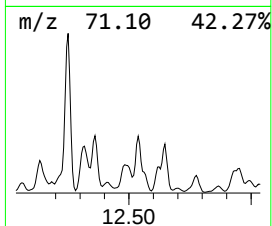
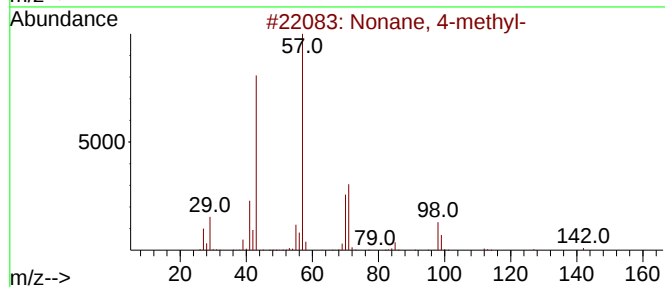
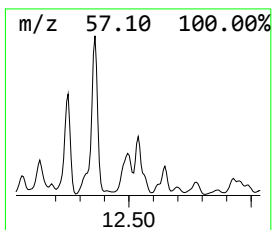
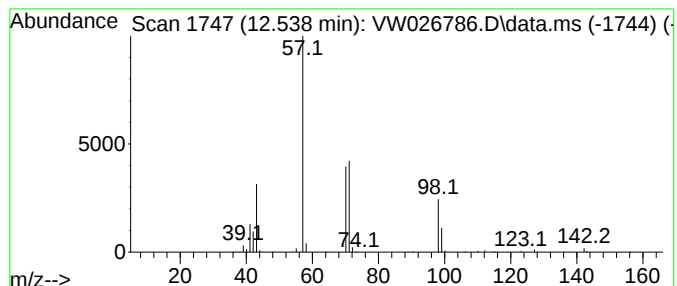
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 34 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.538	60.36 ug/L	3298130	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-		142	C10H22	017301-94-9	78
2	Nonane, 4-methyl-		142	C10H22	017301-94-9	72
3	Nonane, 4-methyl-		142	C10H22	017301-94-9	64
4	Pentane, 2,2,3,3-tetramethyl-		128	C9H20	007154-79-2	59
5	Heptane, 2,3,4-trimethyl-		142	C10H22	052896-95-4	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

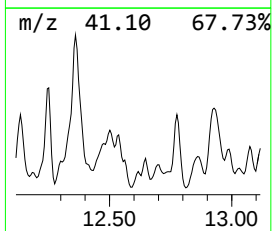
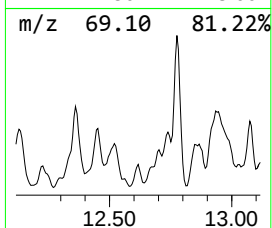
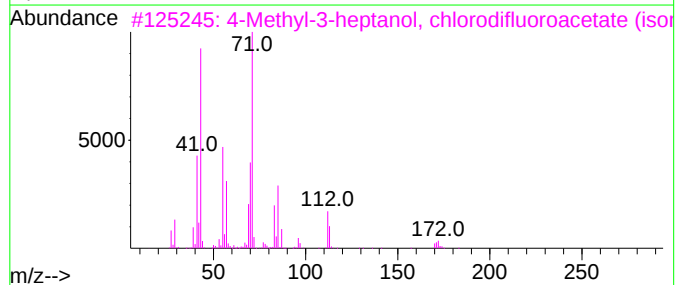
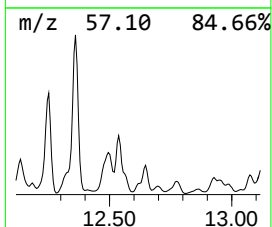
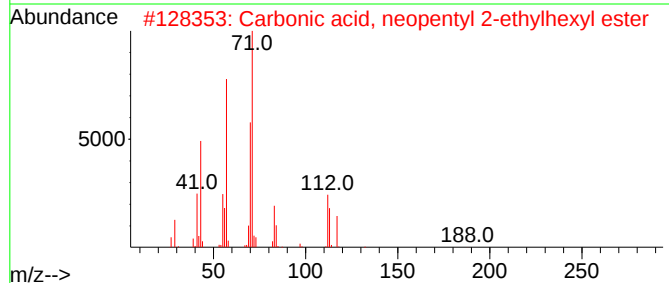
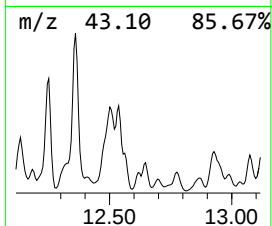
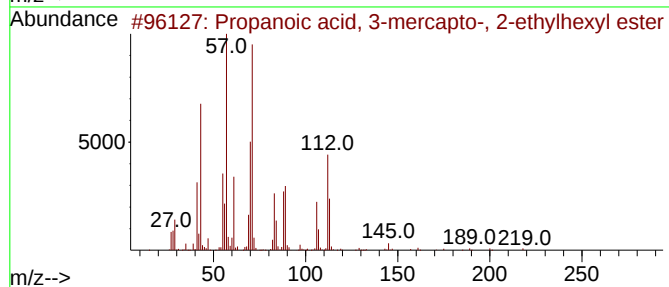
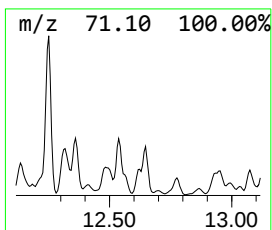
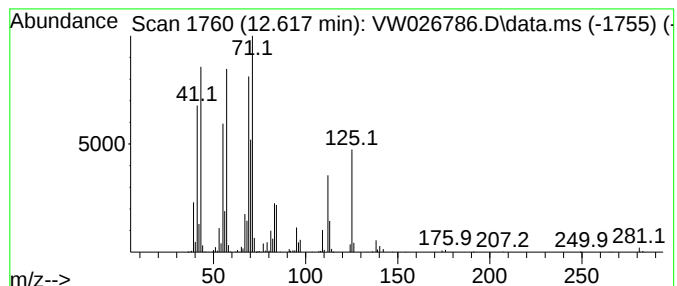
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	48.25 ug/L	771916	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanoic acid, 3-mercapto-, 2-e...	218	C11H22O2S	050448-95-8	46
2			Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	43
3			4-Methyl-3-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-4	38
4			Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	38
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

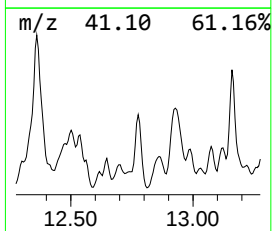
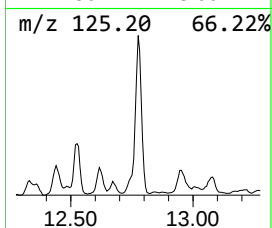
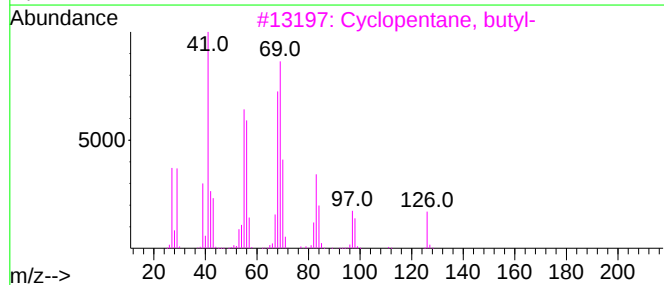
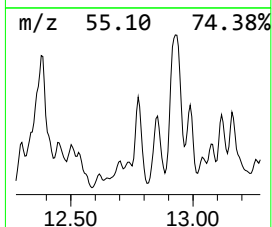
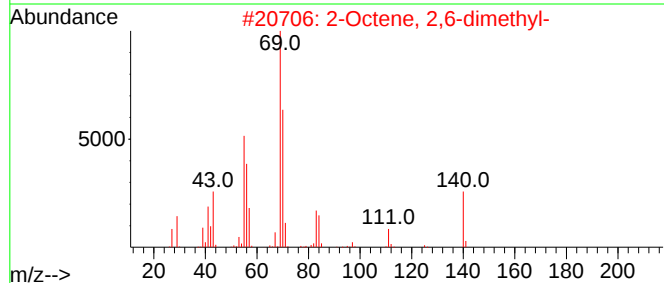
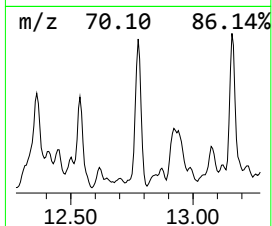
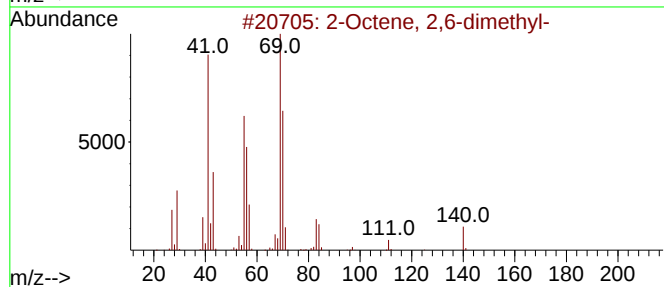
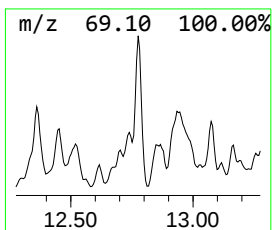
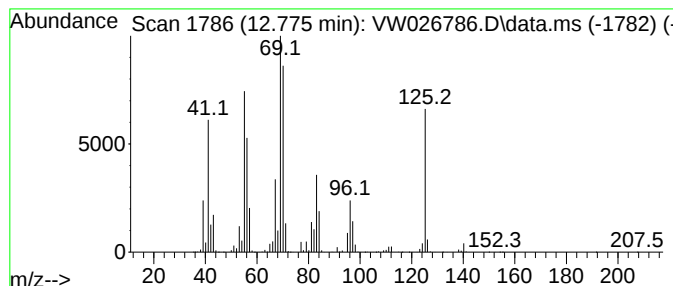
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	254.27 ug/L	4067990	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	55
4		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

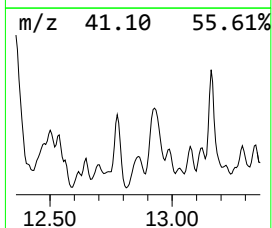
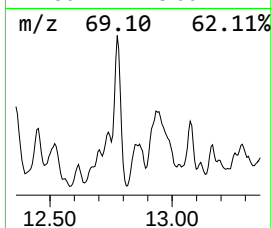
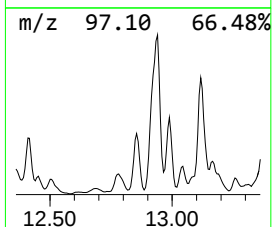
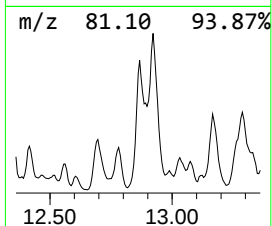
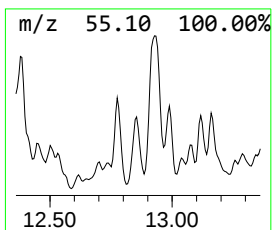
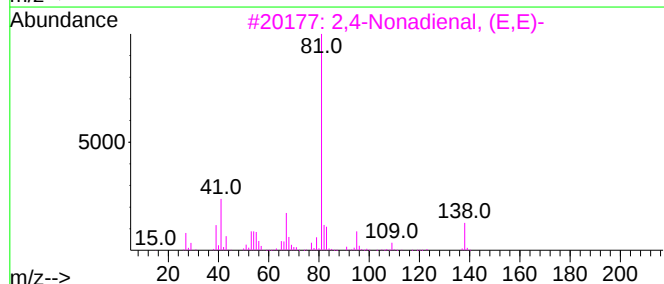
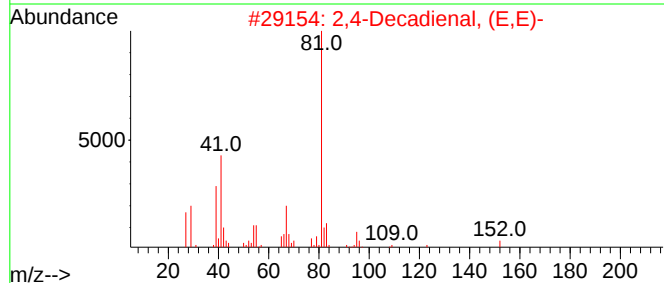
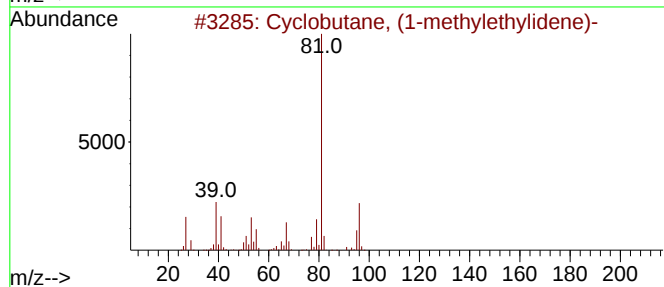
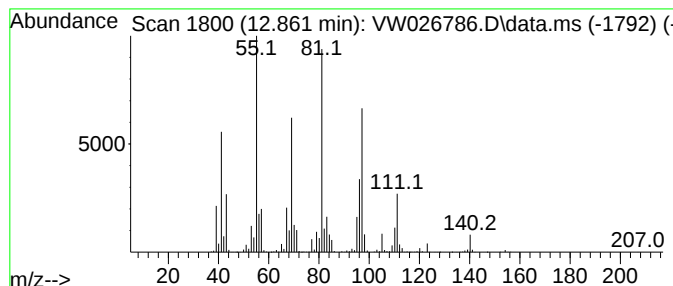
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	183.52 ug/L	2936060	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	43
2			2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	38
3			2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	35
4			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	35
5			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

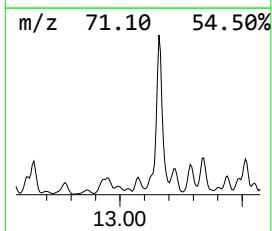
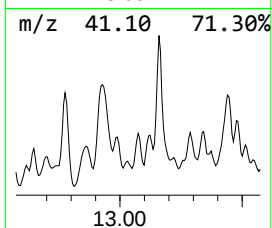
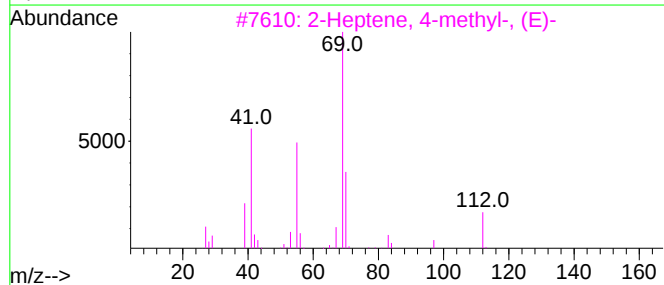
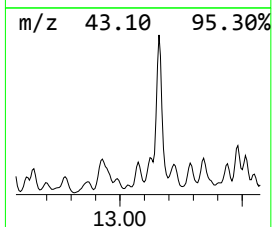
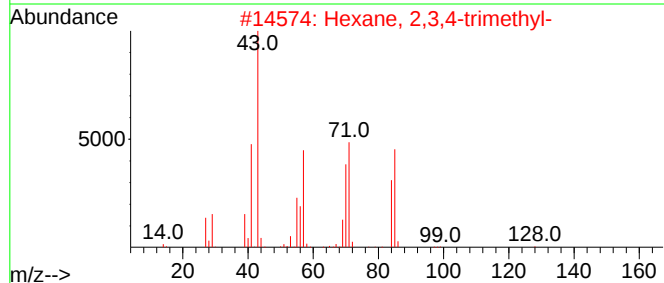
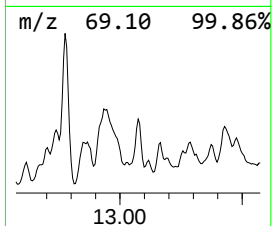
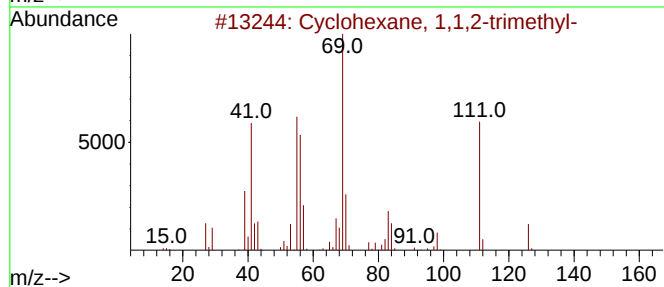
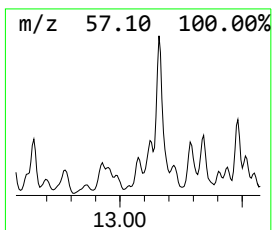
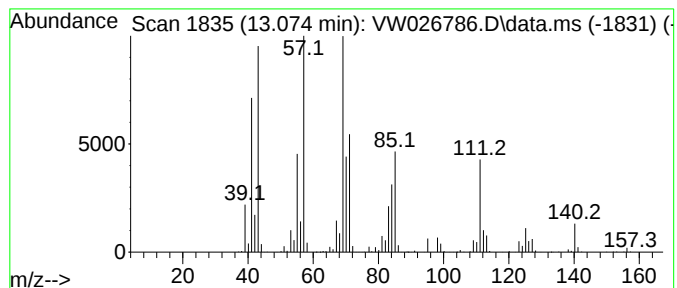
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic13.074 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	71.29 ug/L	1140550	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	41
3		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
4		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

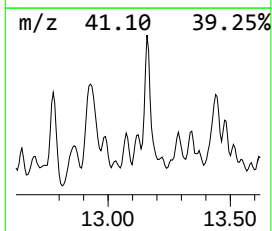
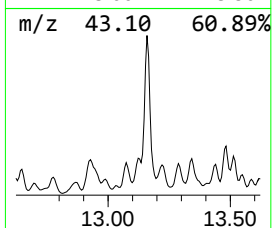
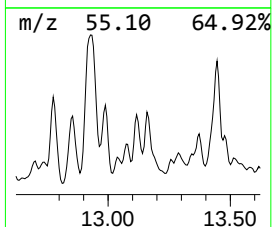
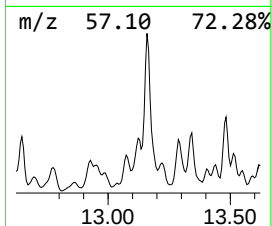
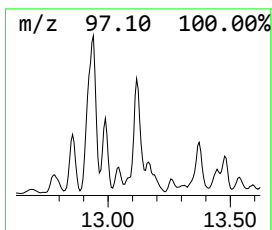
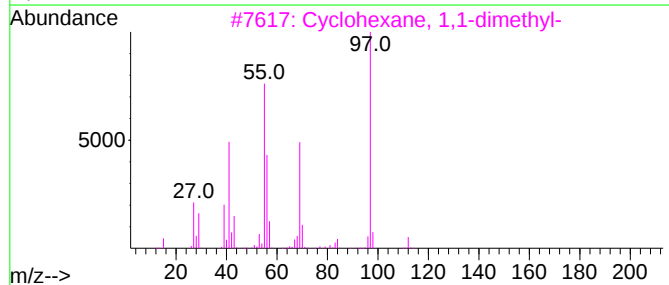
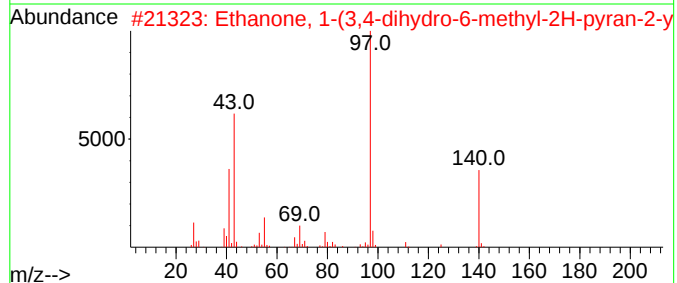
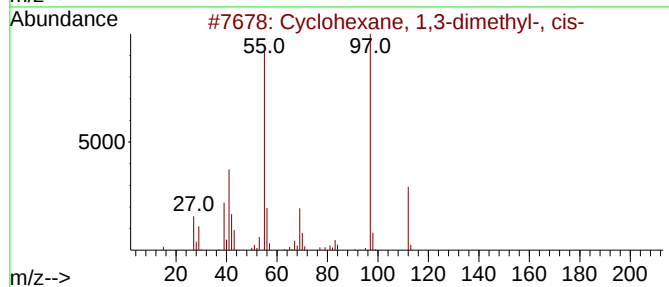
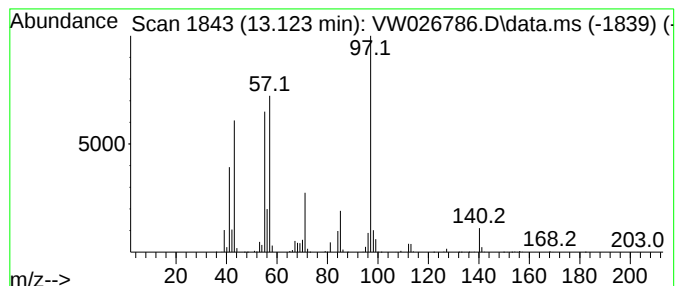
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic13.123 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	67.10 ug/L	1073440	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	47
2			Ethanone, 1-(3,4-dihydro-6-methy...	140	C8H12O2	028450-02-4	46
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
4			2H-Pyran-2-one, 5,6-dihydro-6-pe...	168	C10H16O2	054814-64-1	43
5			2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

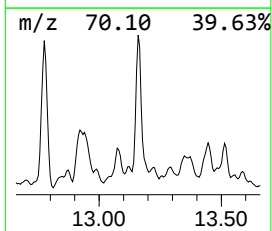
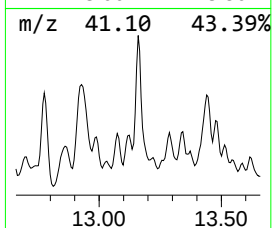
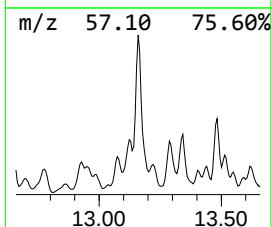
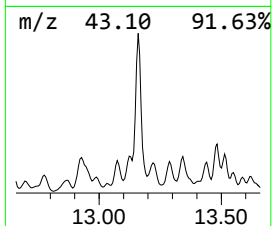
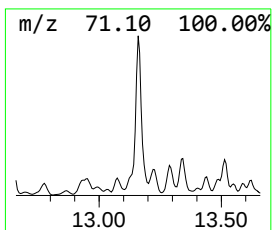
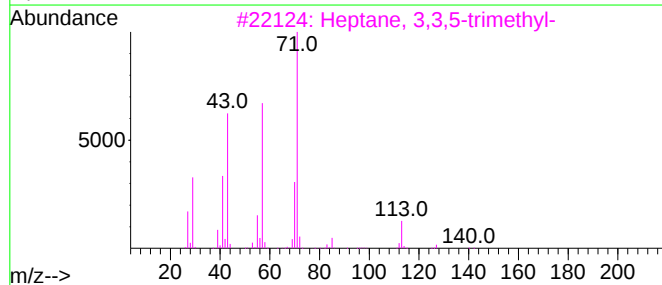
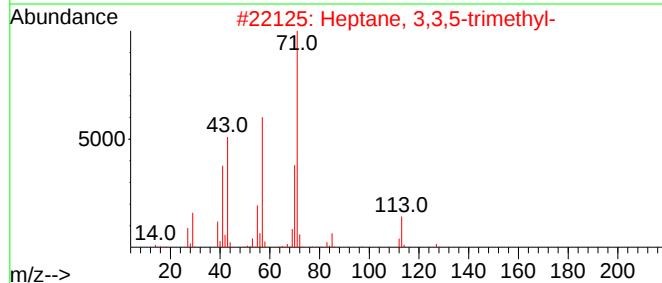
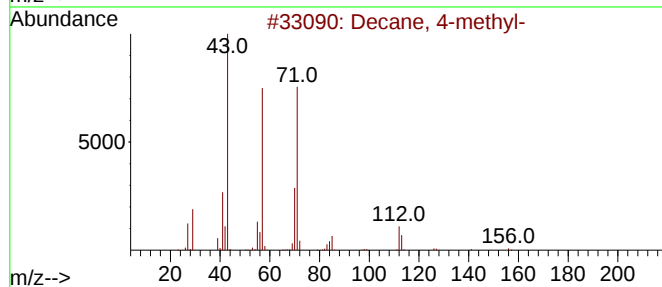
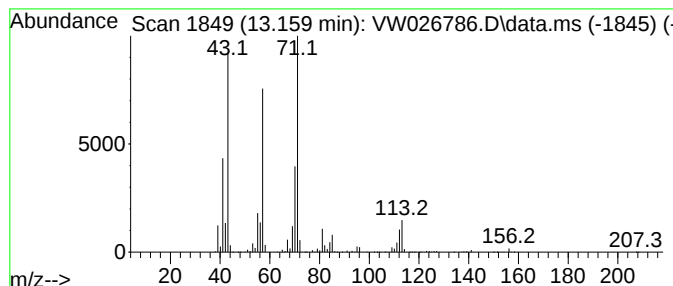
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 40 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.159	291.46 ug/L	4662920	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	81
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
3	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
4	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
5	Decane, 4-methyl-		156	C11H24	002847-72-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

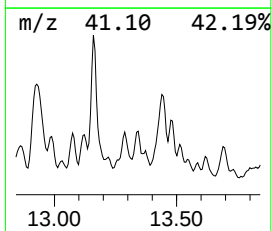
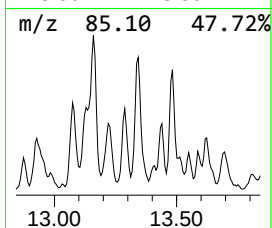
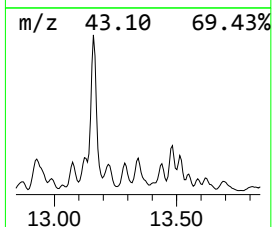
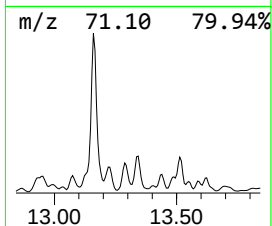
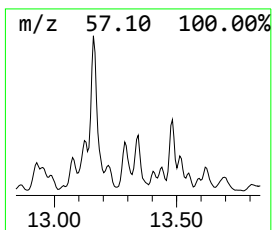
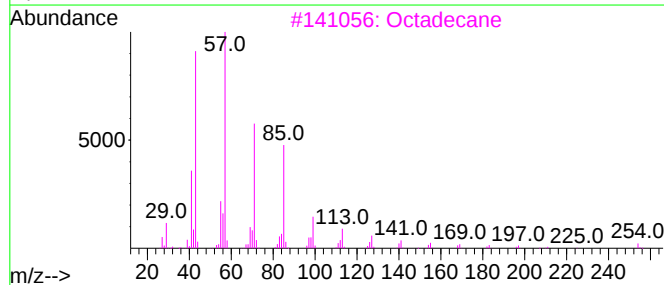
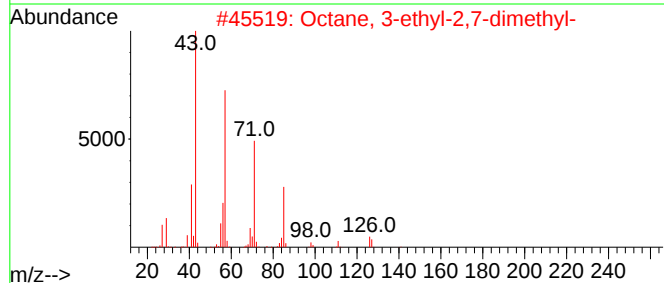
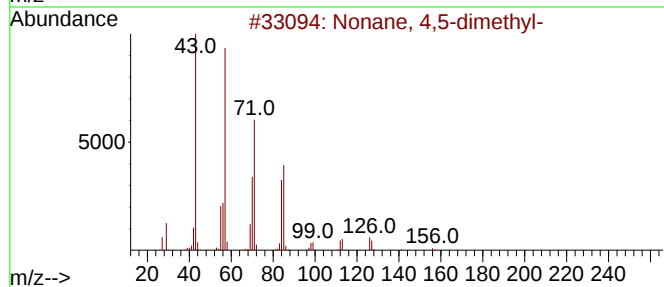
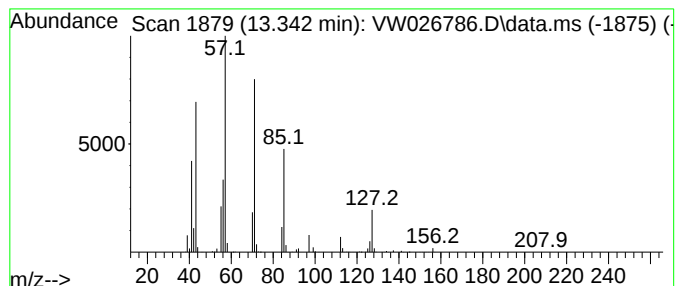
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 41 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.342	75.97 ug/L	1215390	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	72
2	Octane, 3-ethyl-2,7-dimethyl-		170	C12H26	062183-55-5	72
3	Octadecane		254	C18H38	000593-45-3	72
4	Decane, 3-methyl-		156	C11H24	013151-34-3	64
5	1-Undecene, 4-methyl-		168	C12H24	074630-39-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

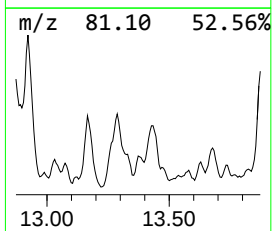
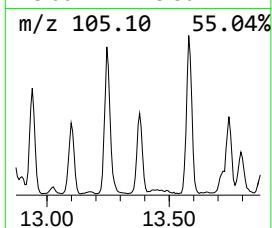
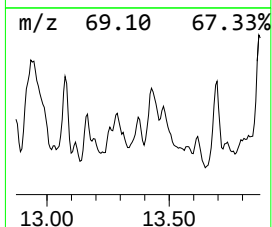
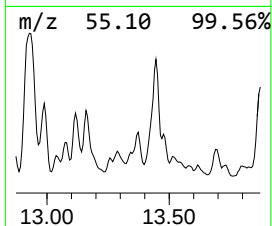
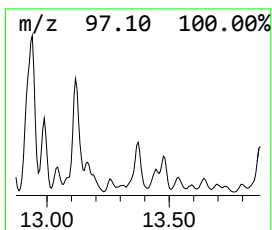
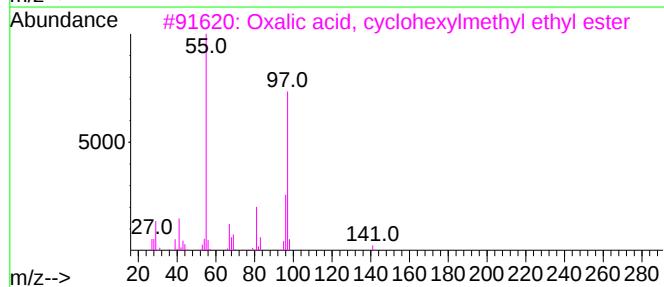
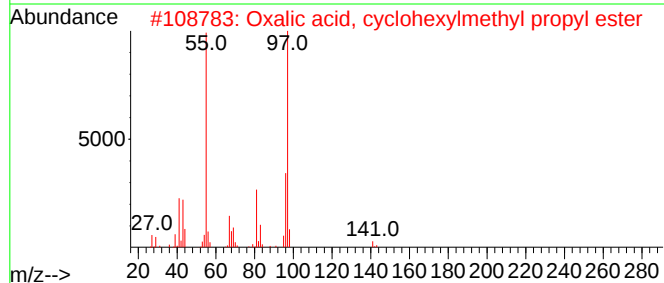
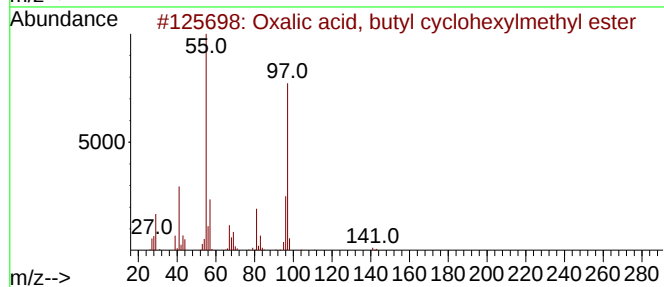
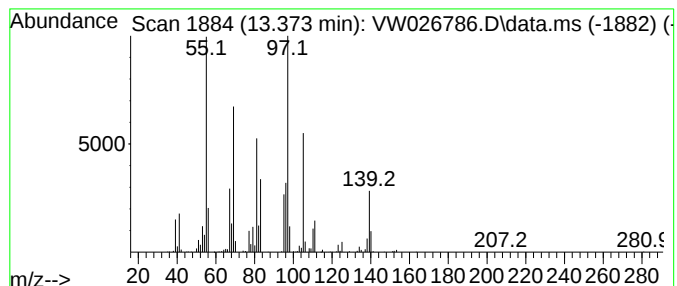
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 Oxalic acid, butyl cyclohex... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	33.18 ug/L	530817	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	52
2			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	50
3			Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	50
4			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	49
5			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

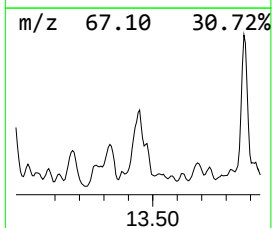
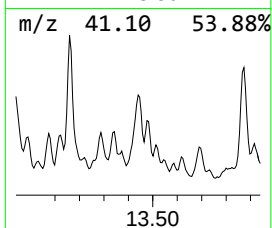
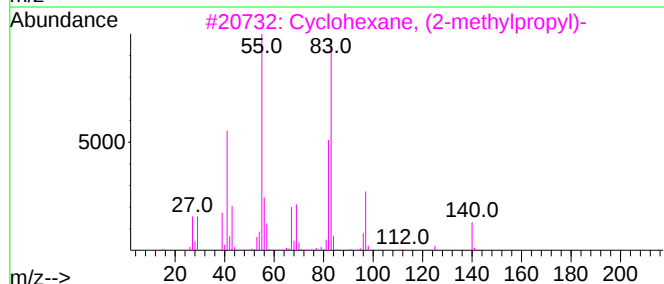
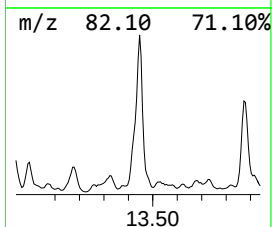
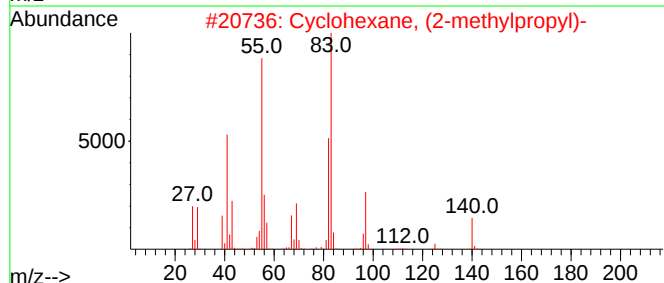
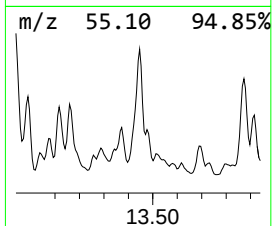
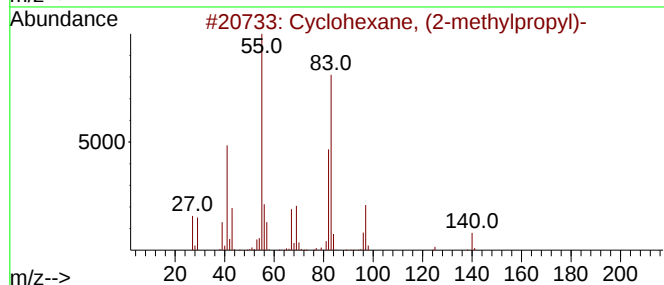
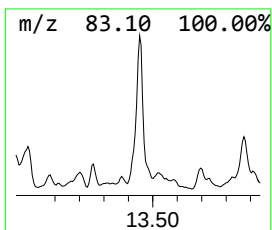
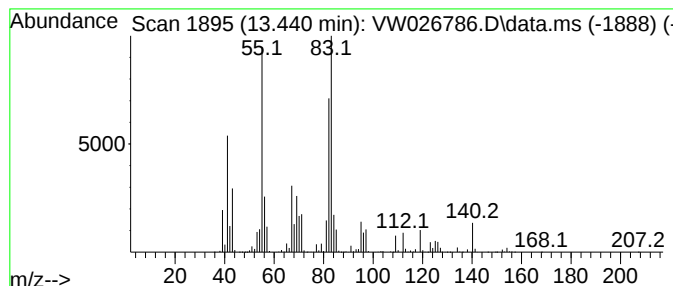
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic13.440 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	248.01 ug/L	3967770	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	70
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	62
4			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	59
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

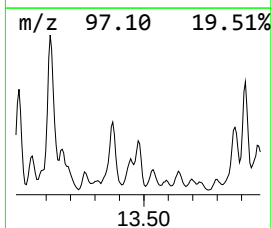
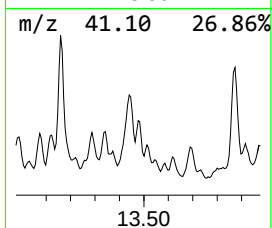
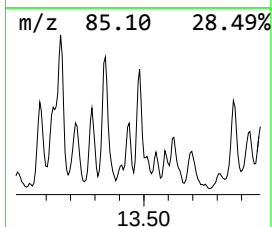
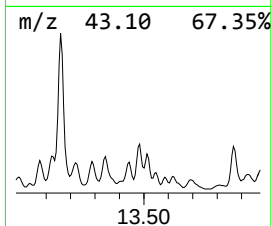
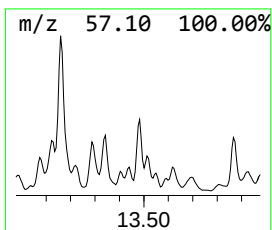
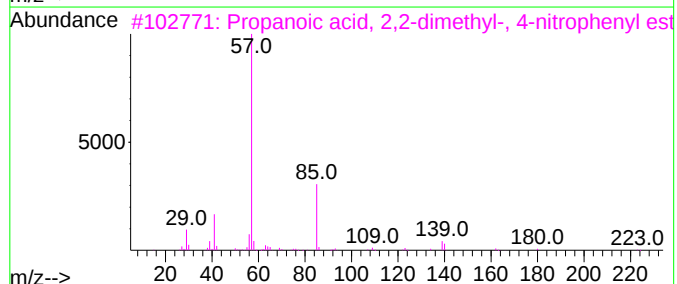
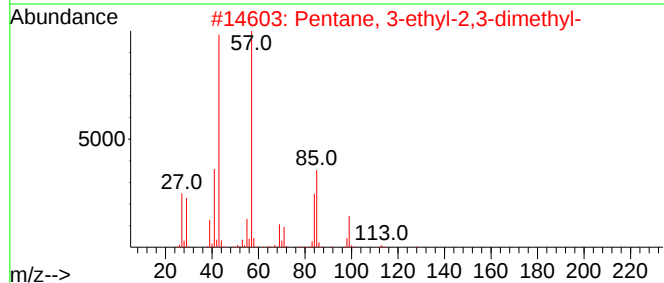
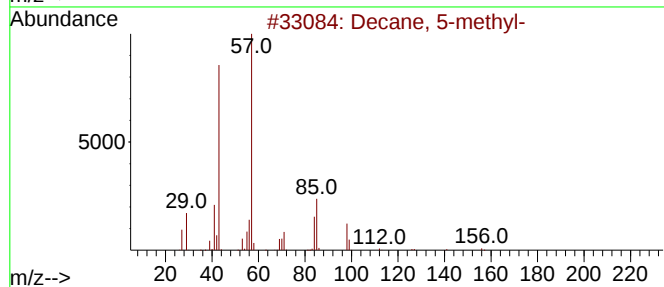
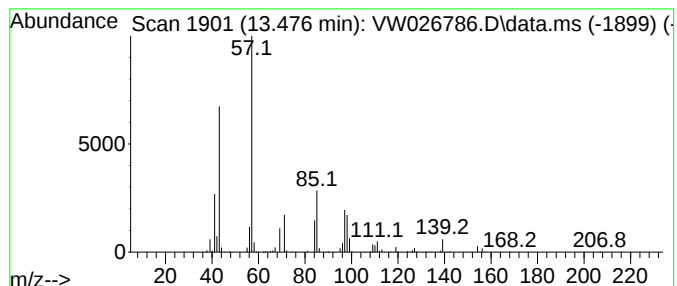
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 44 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.477	92.38 ug/L	1478020	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	52
2	Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	38
3	Propanoic acid, 2,2-dimethyl-, 4...	223	C11H13NO4	004195-17-9	35
4	4,4-Dimethyl octane	142	C10H22	015869-95-1	35
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

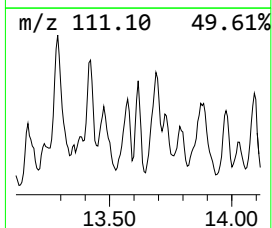
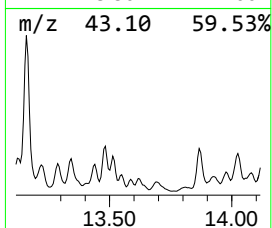
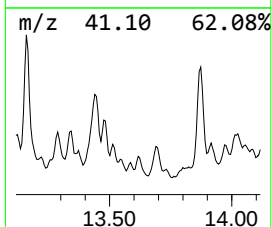
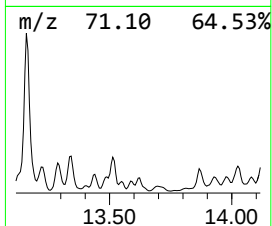
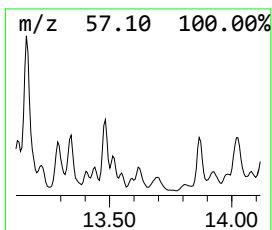
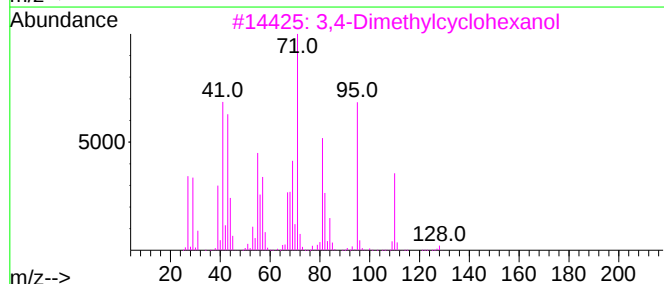
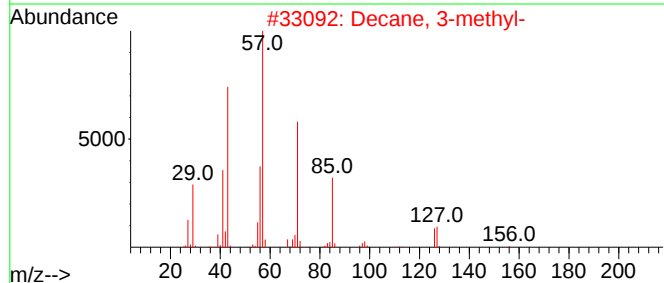
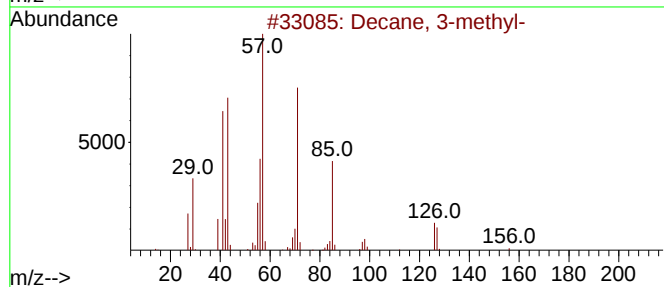
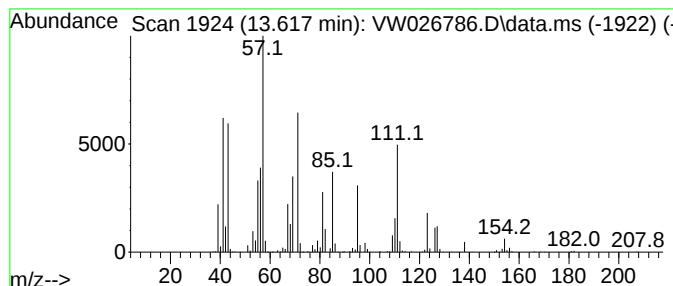
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 45 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.617	34.09 ug/L	545358	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	70
2	Decane, 3-methyl-	156	C11H24	013151-34-3	43
3	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	27
4	1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	27
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

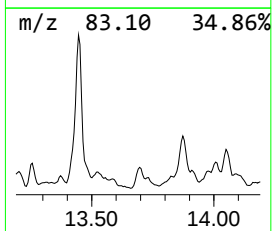
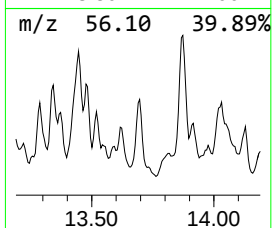
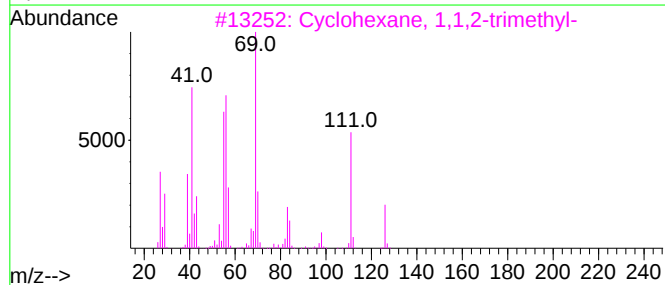
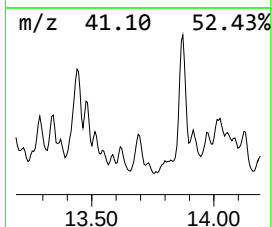
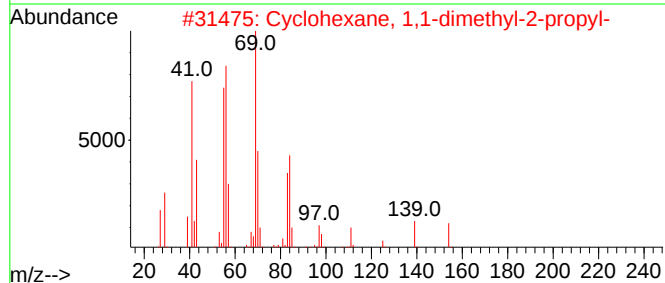
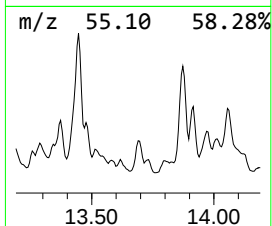
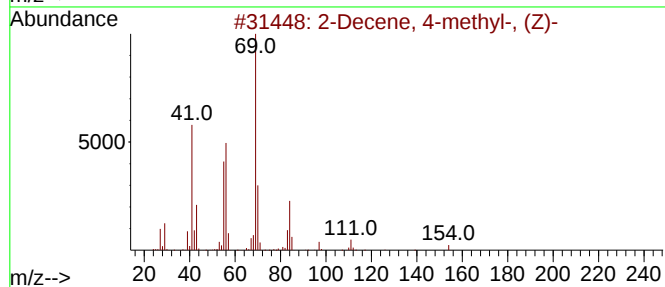
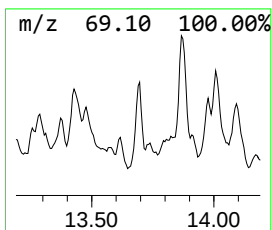
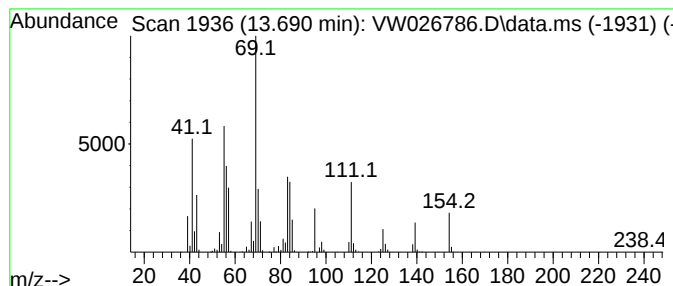
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.690	79.26 ug/L	1268050	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	64
2	Cyclohexane, 1,1-dimethyl-2-propyl-		154	C11H22	081983-71-3	52
3	Cyclohexane, 1,1,2-trimethyl-		126	C9H18	007094-26-0	50
4	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	50
5	1-Octene, 3,3-dimethyl-		140	C10H20	074511-51-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

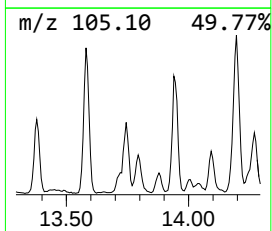
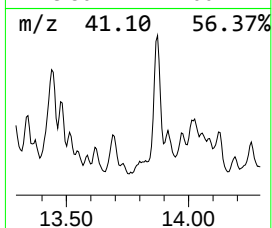
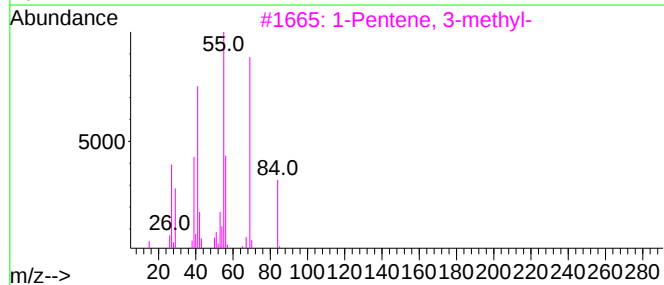
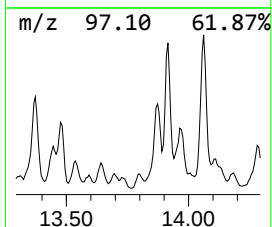
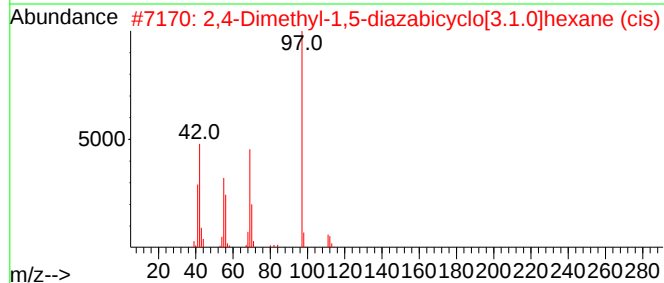
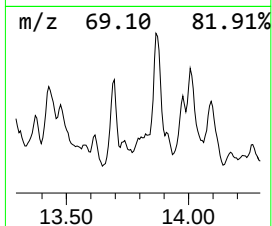
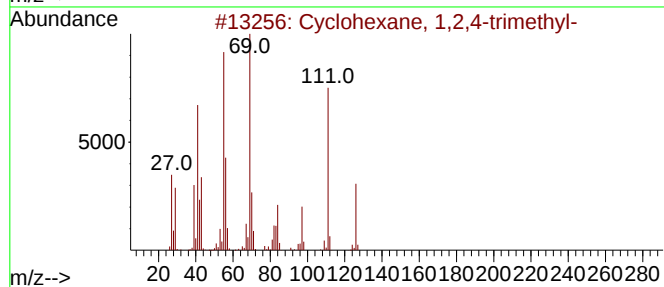
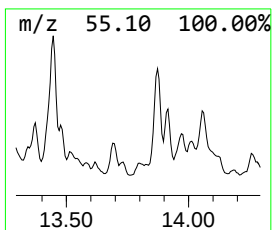
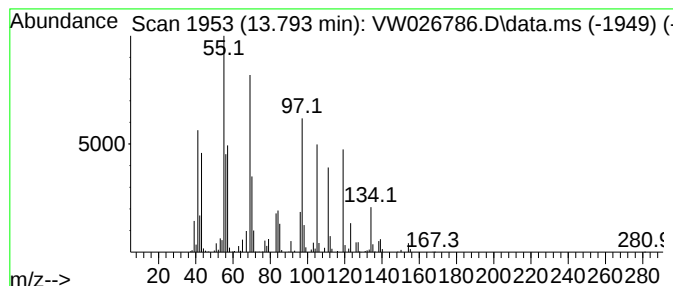
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 47 (DEL) Alkane: Cyclic13.794 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.794	15.60 ug/L	249644	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	43
2	2,4-Dimethyl-1,5-diazabicyclo[3.3.0]heptane		112	C6H12N2	100463-01-2	35
3	1-Pentene, 3-methyl-		84	C6H12	000760-20-3	35
4	Cyclopentane, ethyl-		98	C7H14	001640-89-7	30
5	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

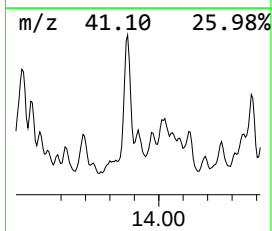
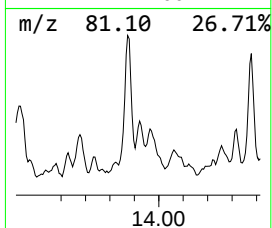
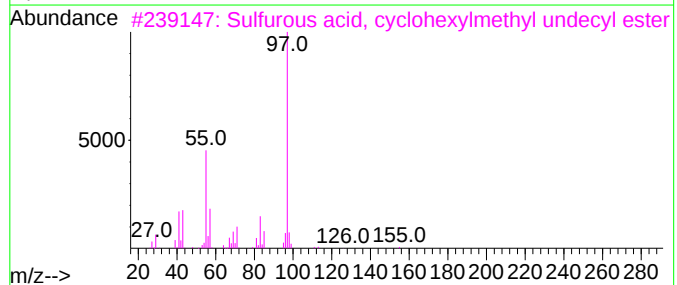
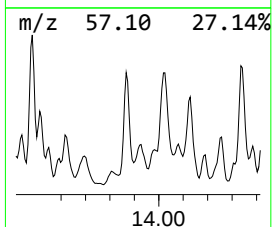
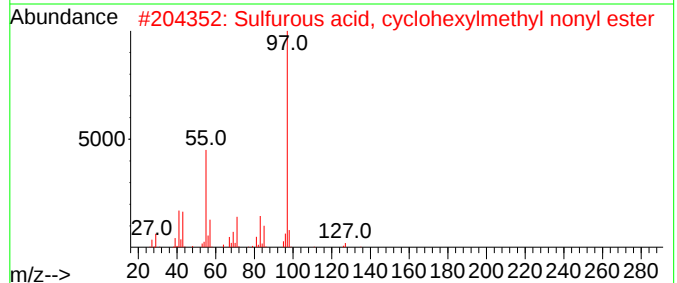
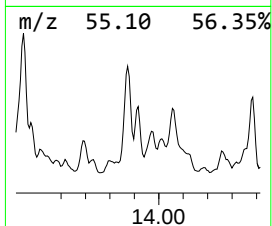
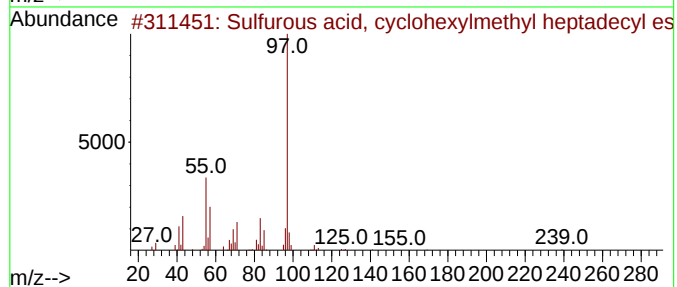
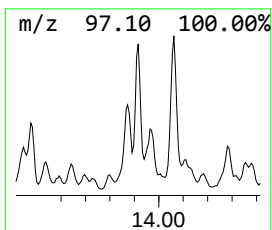
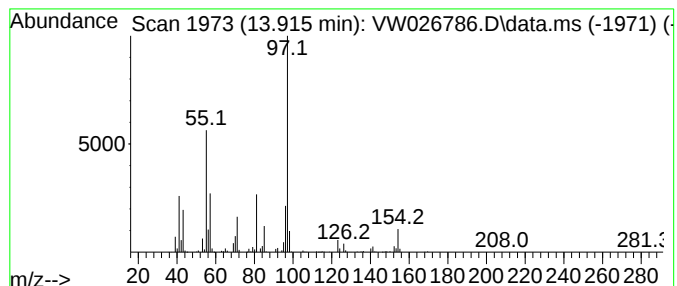
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 Sulfurous acid, cyclohexylm... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.915	38.48 ug/L	615618	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	64
2			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	59
3			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
4			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
5			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

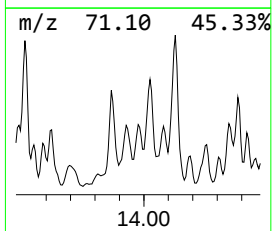
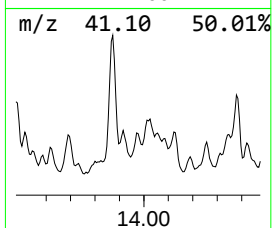
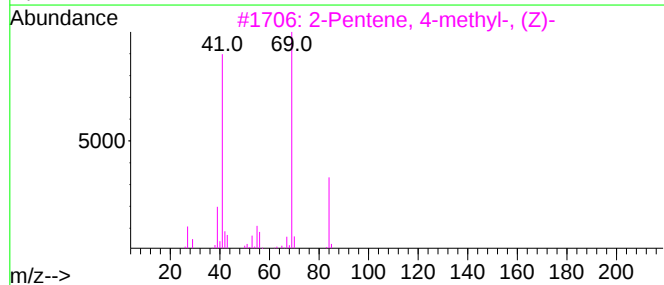
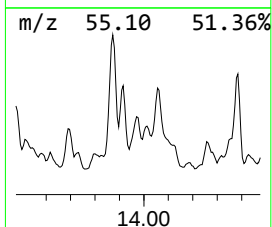
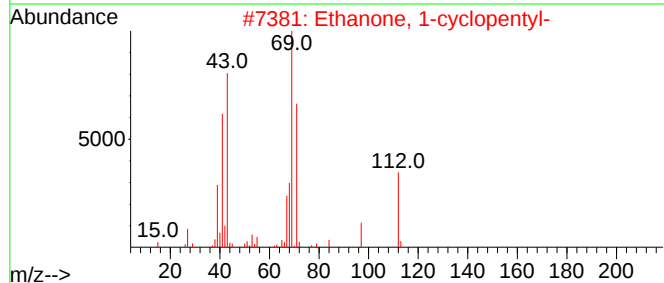
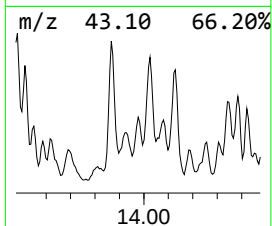
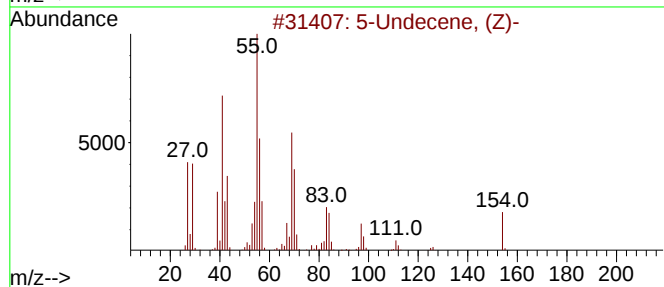
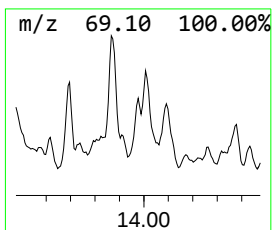
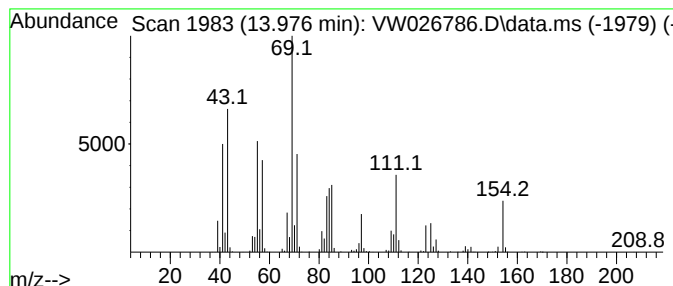
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 49 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.976	38.30 ug/L	612820	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5-Undecene, (Z)-		154	C11H22	000764-96-5	43
2	Ethanone, 1-cyclopentyl-		112	C7H12O	006004-60-0	38
3	2-Pentene, 4-methyl-, (Z)-		84	C6H12	000691-38-3	30
4	3-Penten-2-one		84	C5H8O	000625-33-2	30
5	1-Butene, 3,3-dimethyl-		84	C6H12	000558-37-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

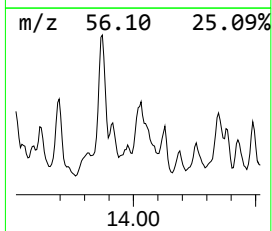
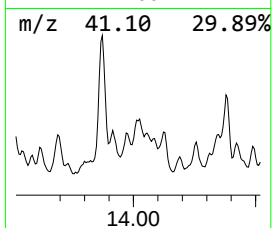
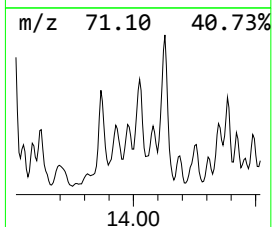
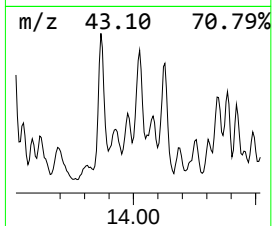
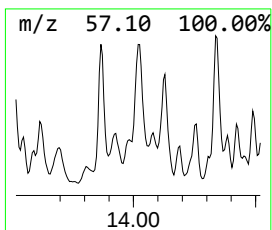
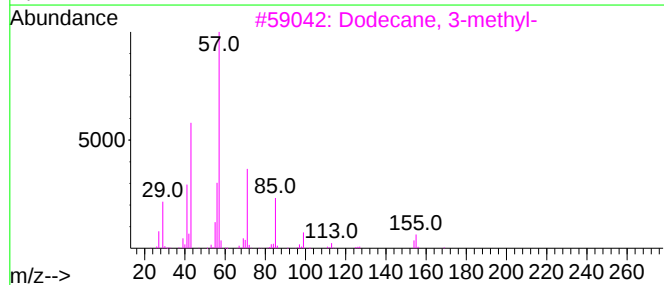
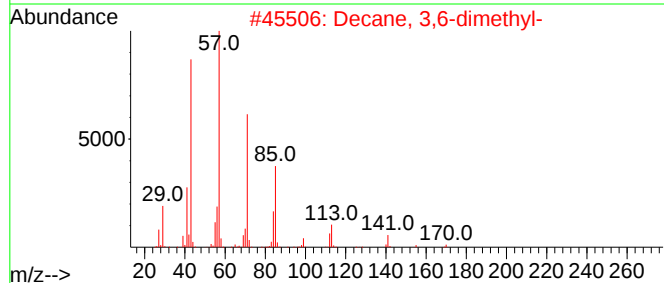
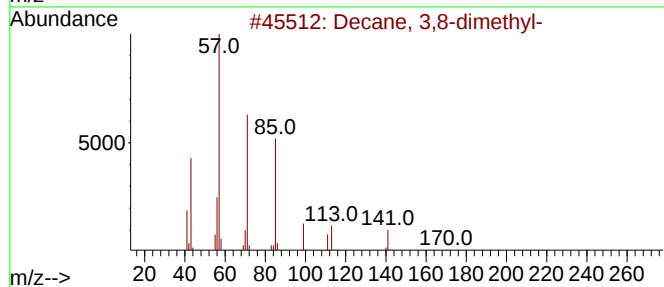
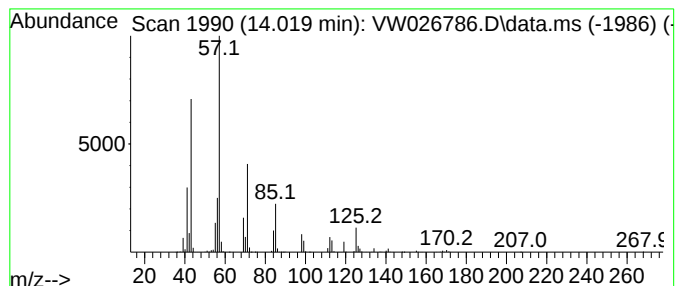
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 50 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.019	55.60 ug/L	889582	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	68
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	62
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
4	Octacosane	394	C28H58	000630-02-4	53
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

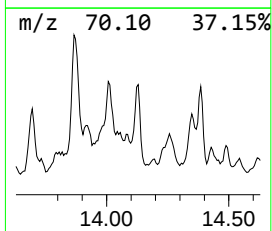
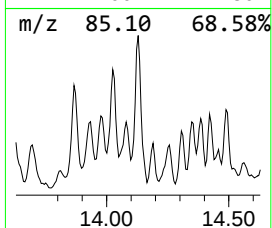
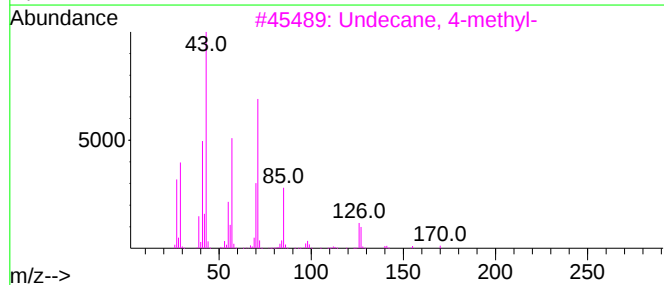
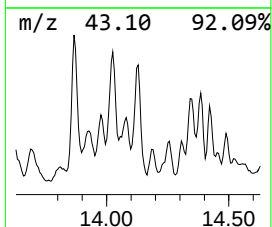
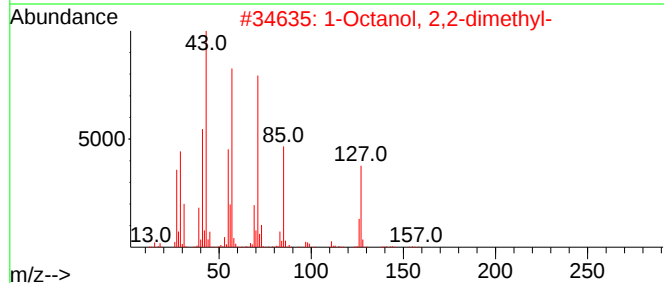
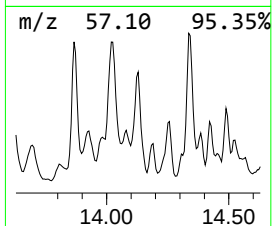
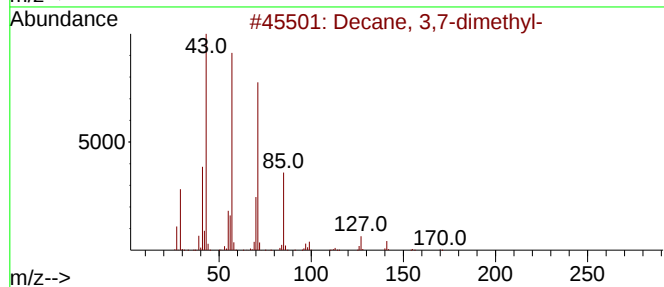
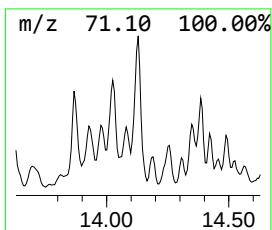
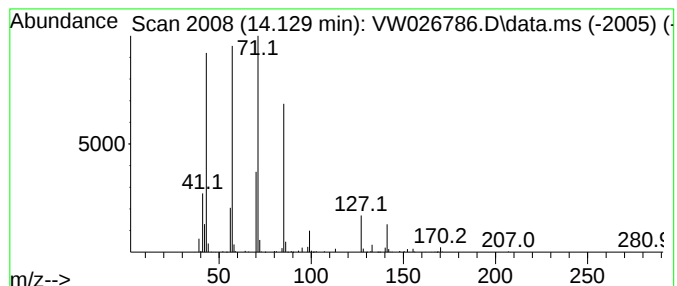
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 51 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.129	68.48 ug/L	1095540	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	91
2	1-Octanol, 2,2-dimethyl-		158	C10H22O	002370-14-1	64
3	Undecane, 4-methyl-		170	C12H26	002980-69-0	64
4	Octane, 6-ethyl-2-methyl-		156	C11H24	062016-19-7	64
5	1-Threitol, 2-O-nonyl-		248	C13H28O4	163776-15-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

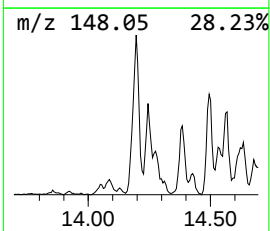
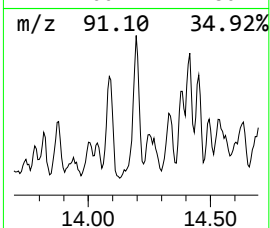
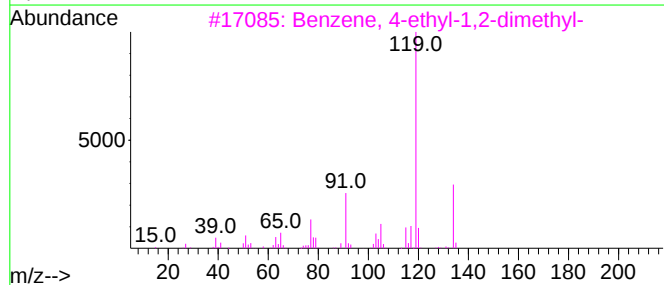
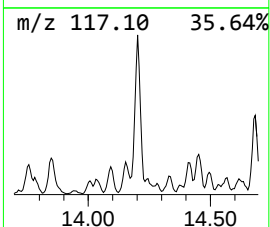
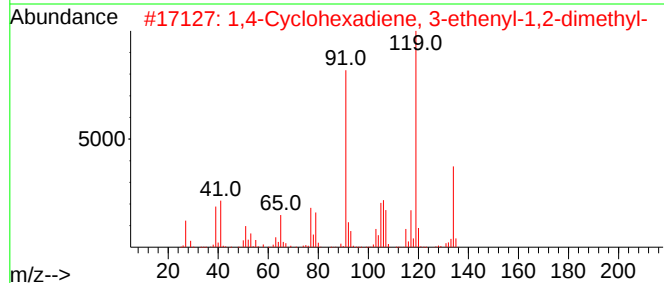
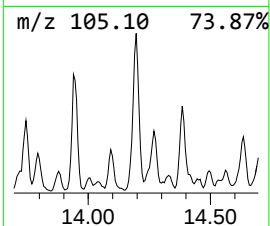
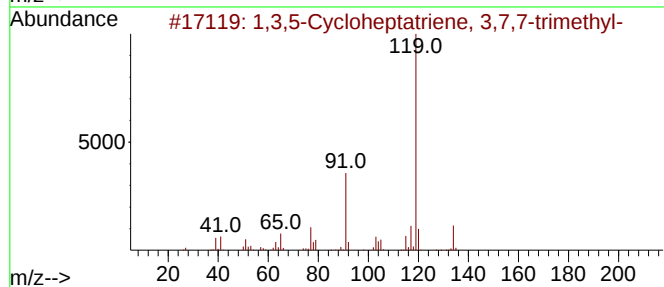
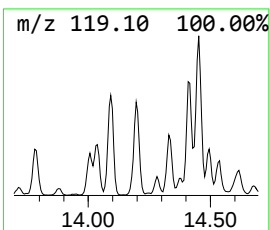
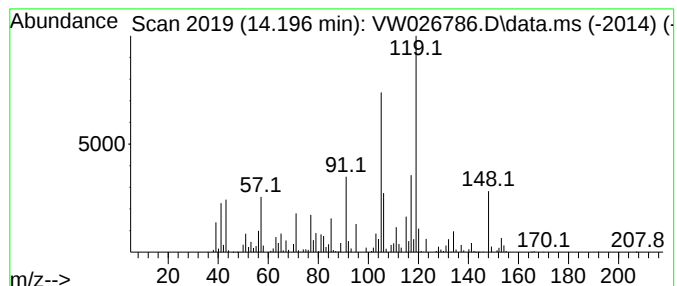
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 52 1,3,5-Cycloheptatriene, 3,7... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.196	61.01 ug/L	976026	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	55
2			1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	50
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49
4			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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

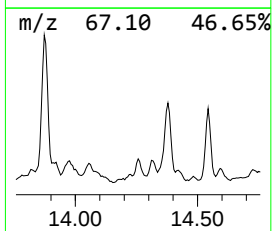
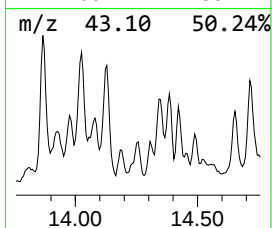
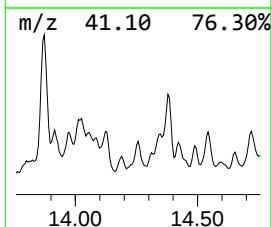
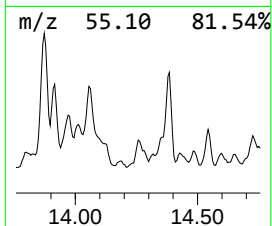
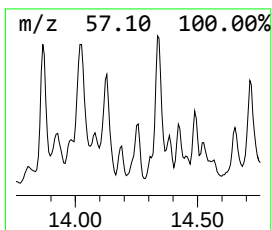
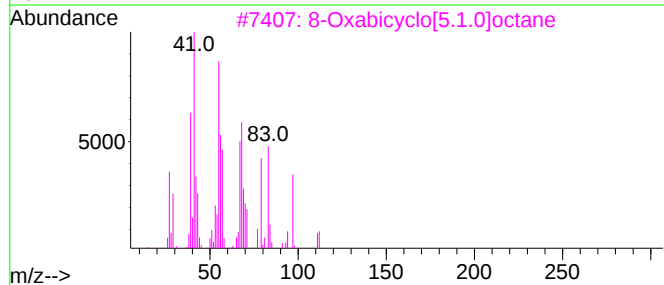
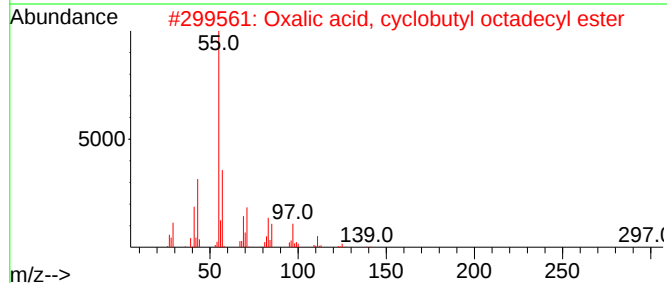
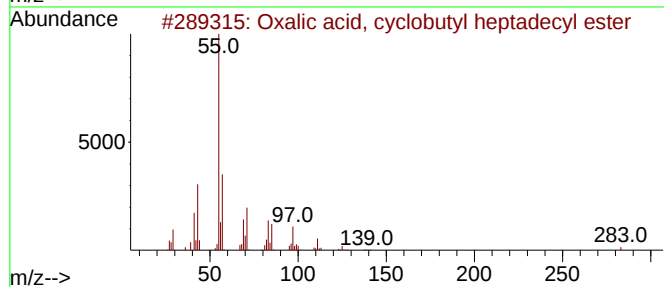
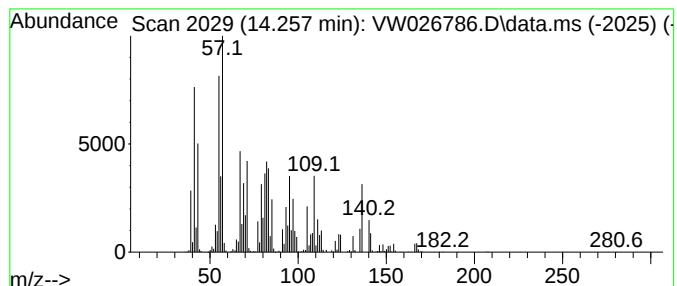
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 unknown-03

Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	60.12 ug/L	961882	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclobutyl heptadec...	382	C23H42O4	1000309-70-7	43
2			Oxalic acid, cyclobutyl octadecy...	396	C24H44O4	1000309-70-8	43
3			8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	35
4			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	30
5			2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

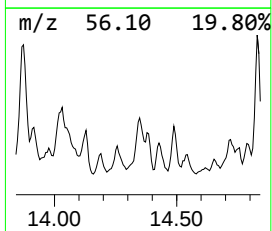
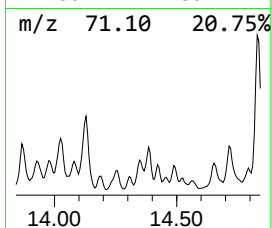
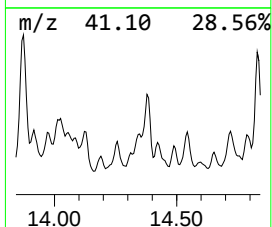
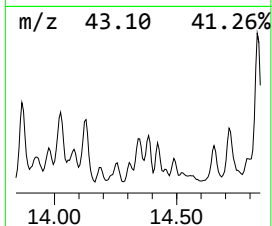
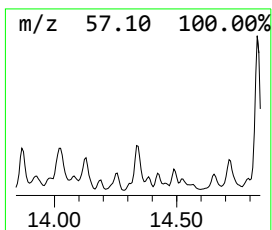
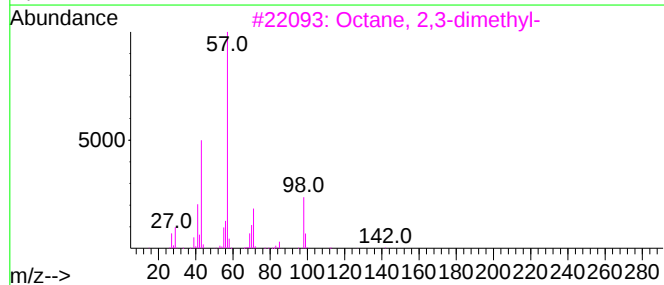
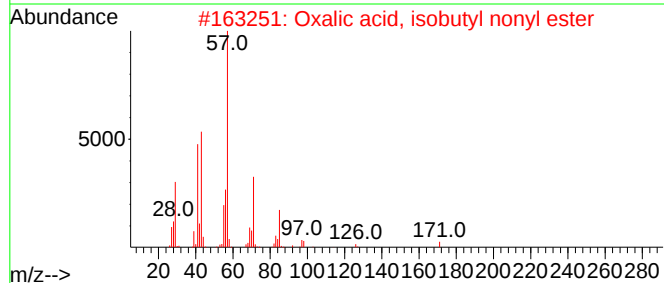
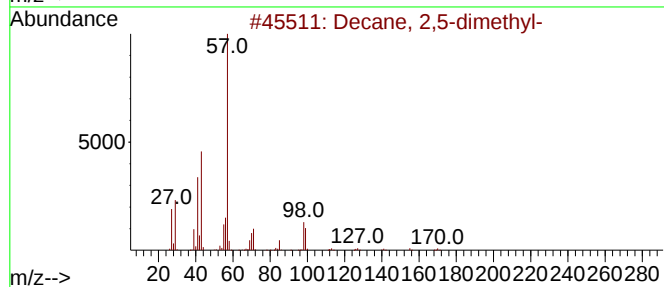
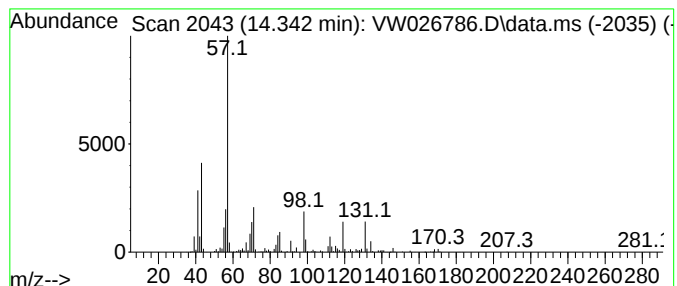
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.342	94.32 ug/L	1509050	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	47
2			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	43
3			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
5			Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

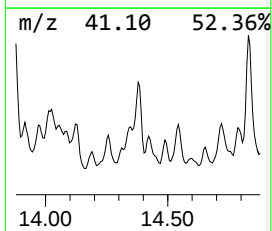
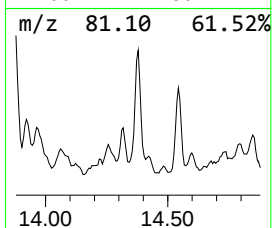
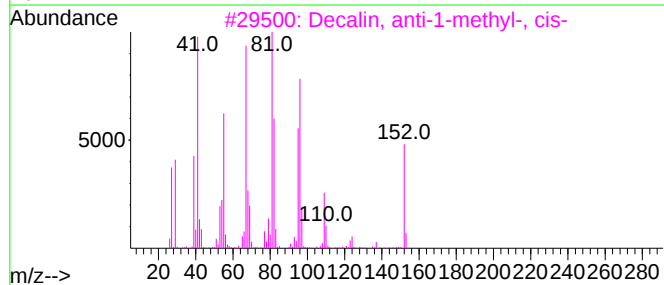
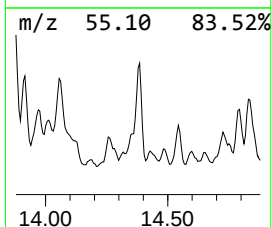
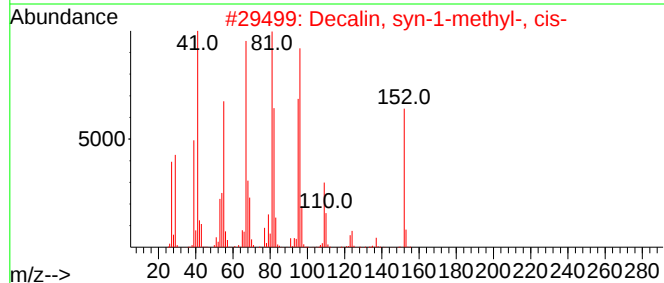
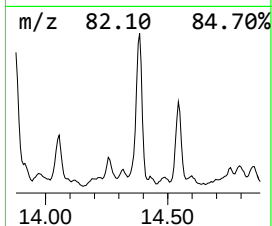
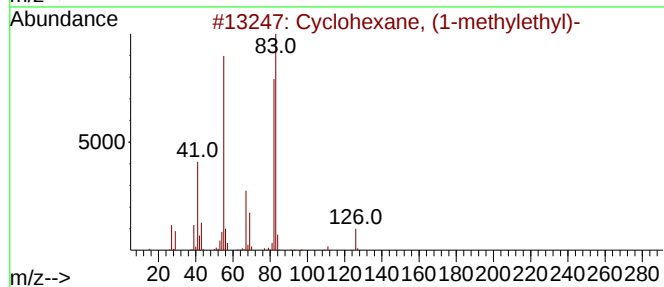
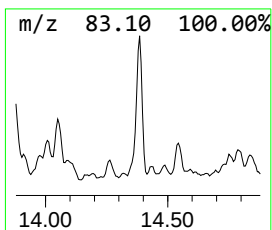
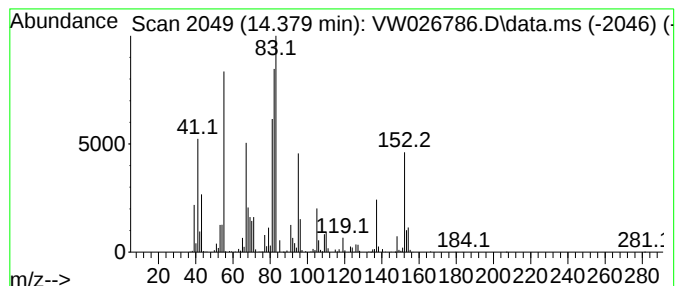
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Cyclic14.379 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	135.57 ug/L	2168980	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	42
3			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	42
4			Pulegone	152	C10H16O	000089-82-7	42
5			Dihydromyrcenol, pentafluoroprop...	302	C13H19F5O2	1000463-72-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

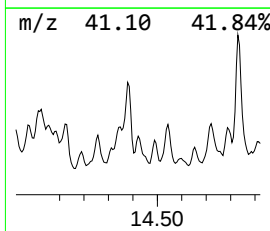
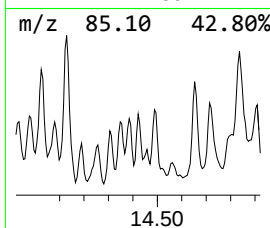
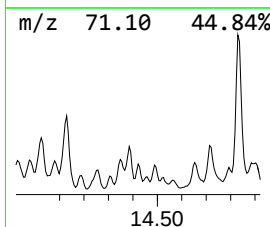
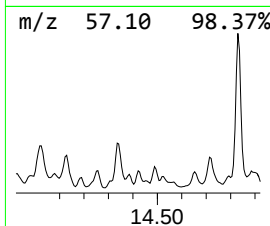
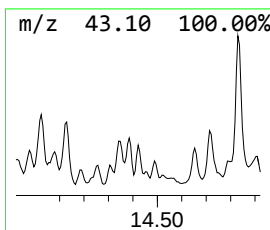
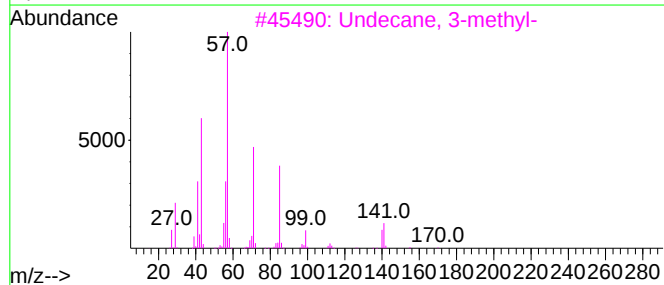
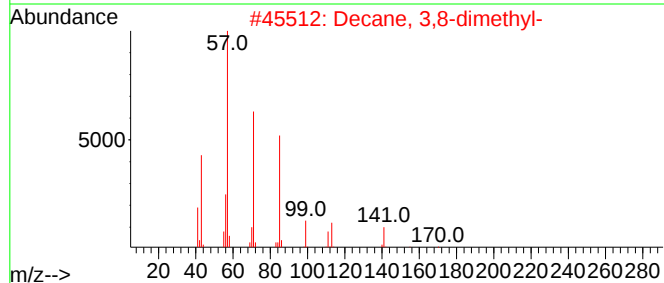
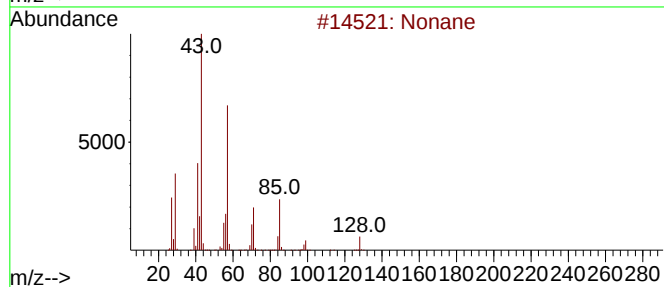
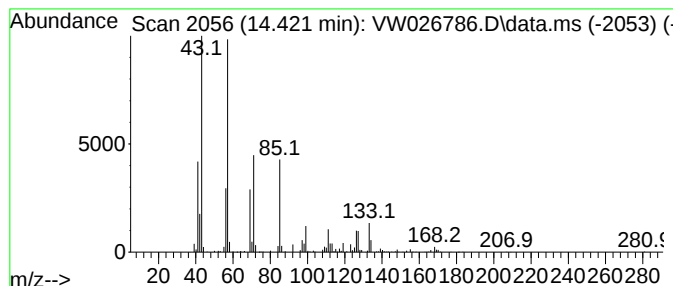
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.421	27.90 ug/L	446380	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	68
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	64
4			Undecane, 3-methyl-	170	C12H26	001002-43-3	59
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

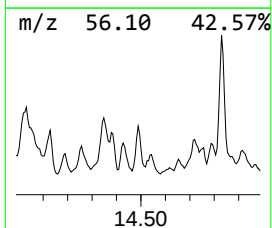
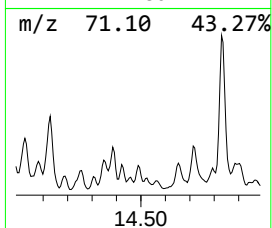
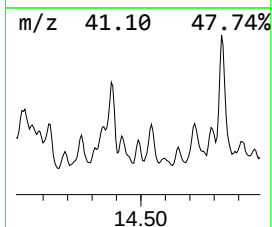
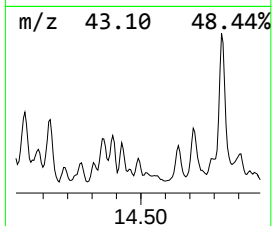
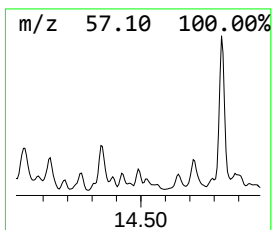
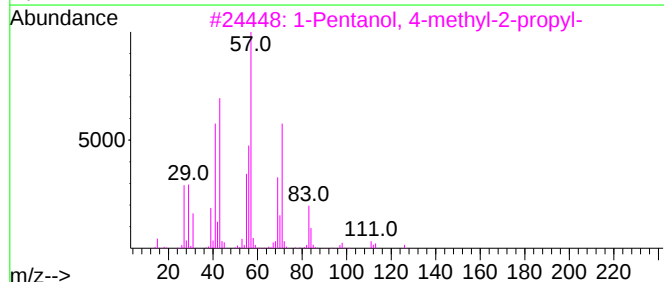
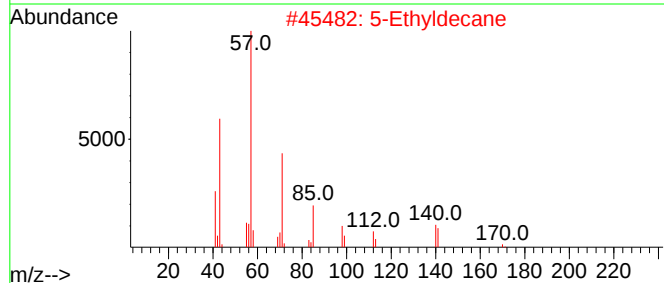
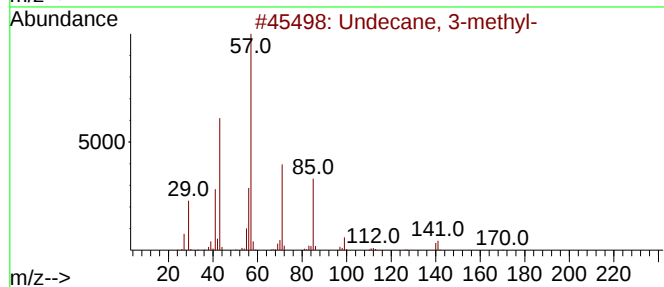
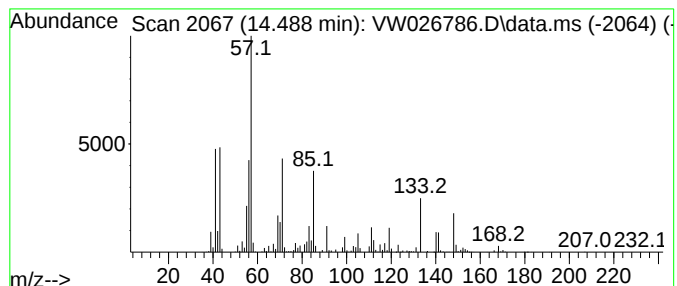
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.489	32.29 ug/L	516564	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
2		5-Ethyldecane	170	C12H26	017302-36-2	43
3		1-Pentanol, 4-methyl-2-propyl-	144	C9H20O	054004-41-0	38
4		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

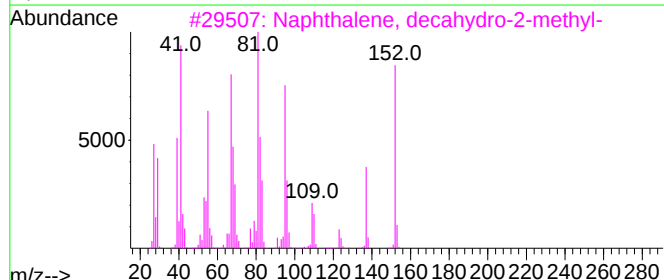
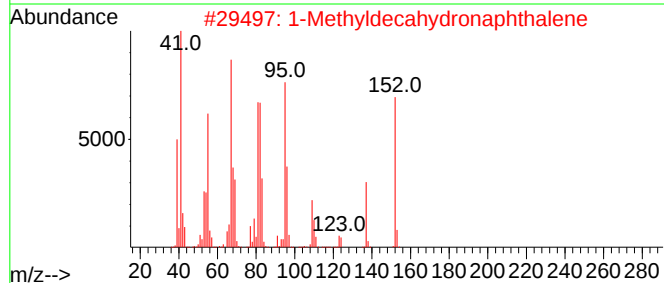
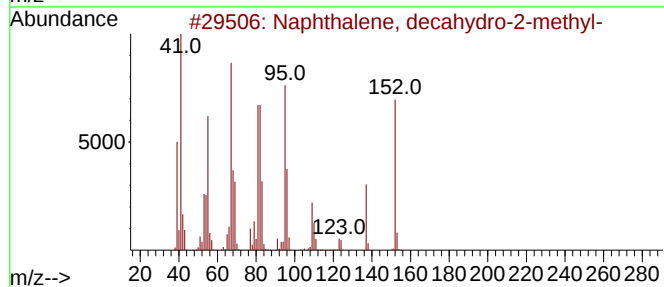
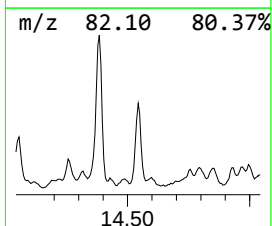
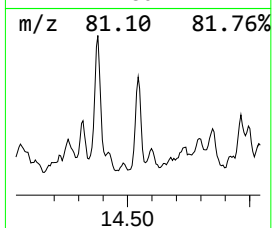
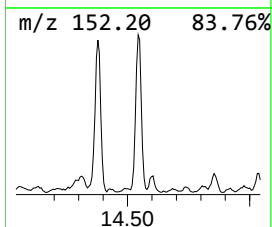
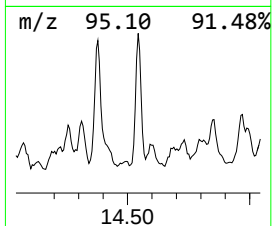
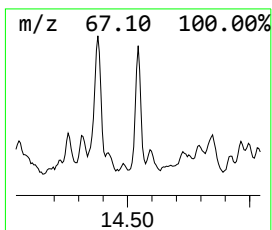
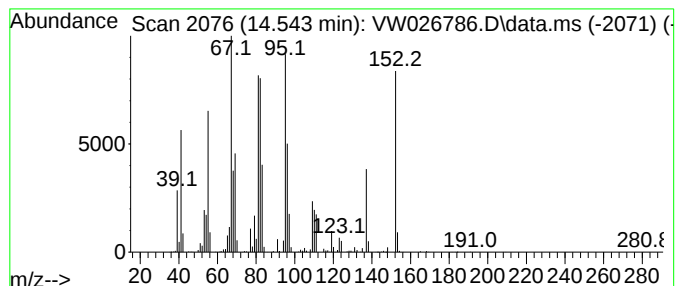
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 58 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	92.45 ug/L	1479080	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	98
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	87
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

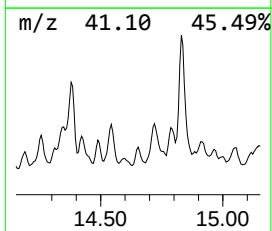
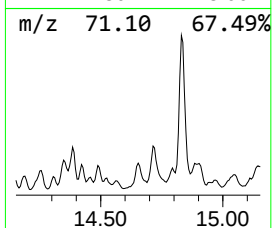
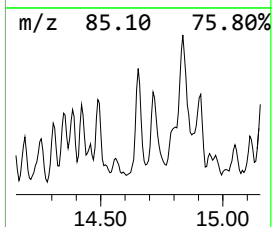
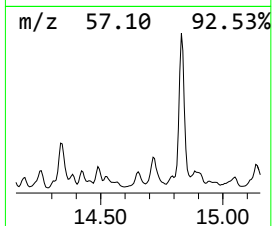
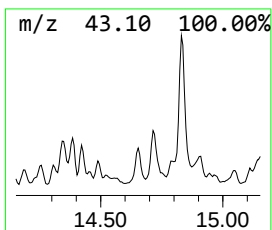
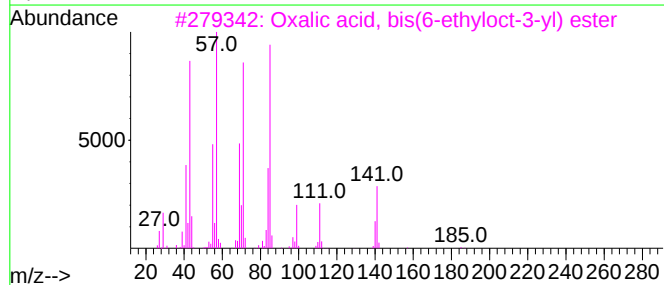
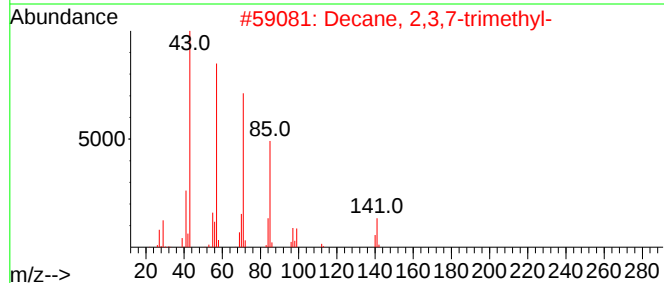
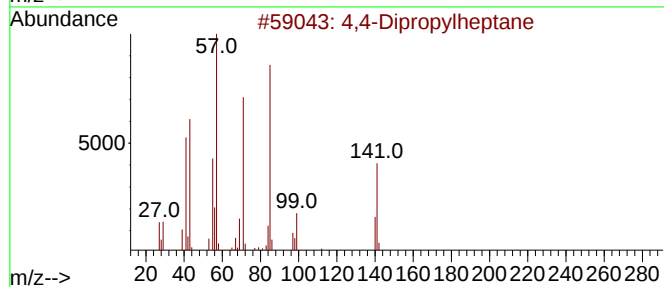
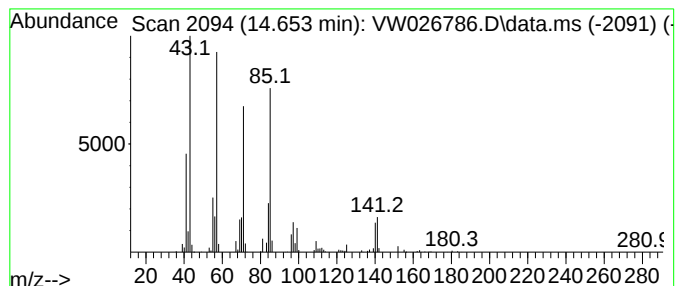
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 59 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.653	14.75 ug/L	235994	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dipropylheptane	184	C13H28	017312-72-0	59
2	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	58
3	Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	50
4	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	43
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

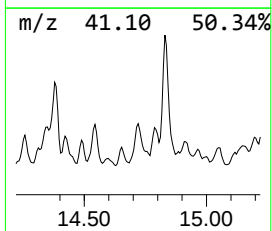
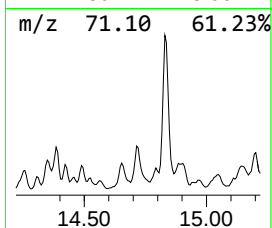
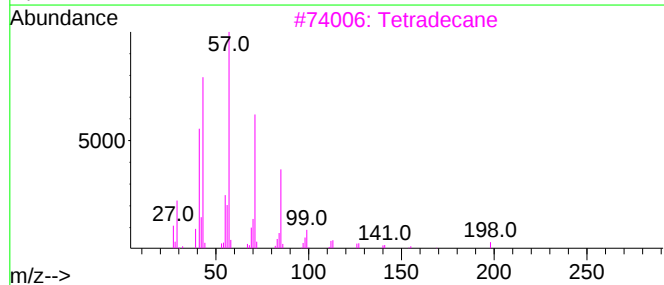
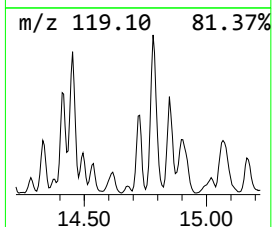
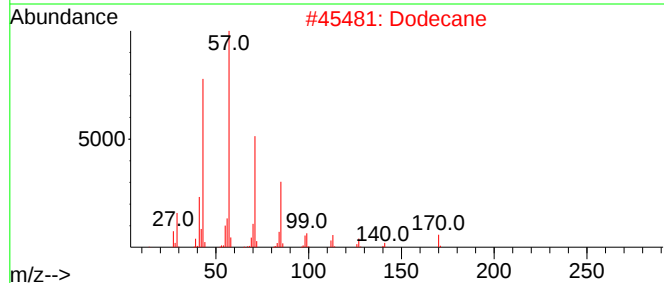
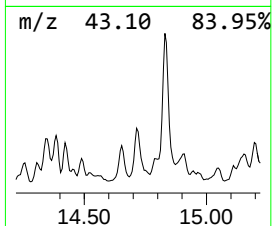
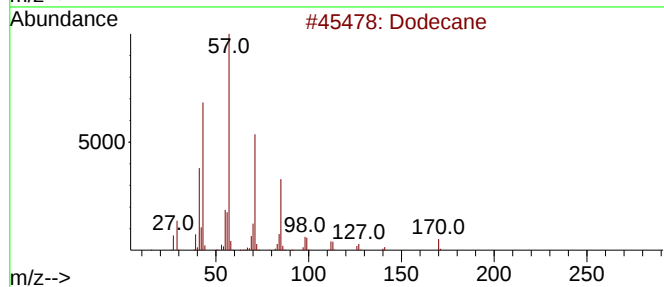
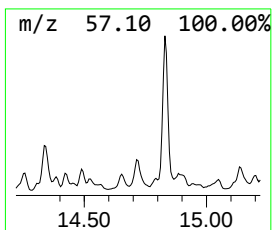
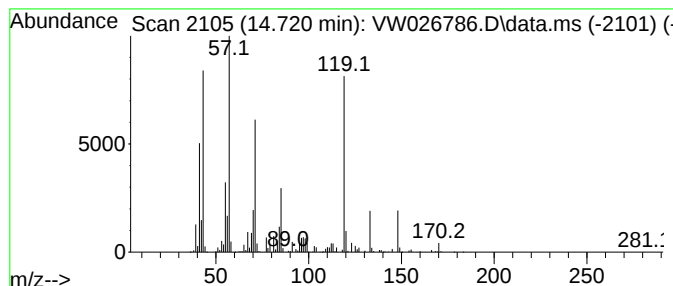
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	68.26 ug/L	1092140	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	38
2			Dodecane	170	C12H26	000112-40-3	30
3			Tetradecane	198	C14H30	000629-59-4	30
4			Undecane	156	C11H24	001120-21-4	27
5			Undecane	156	C11H24	001120-21-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

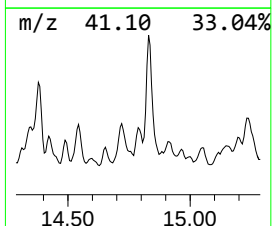
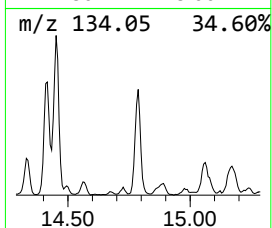
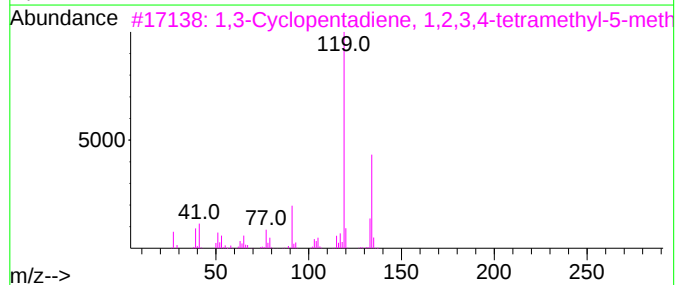
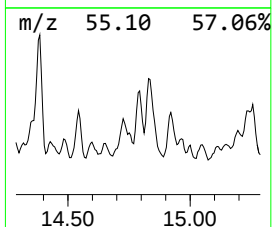
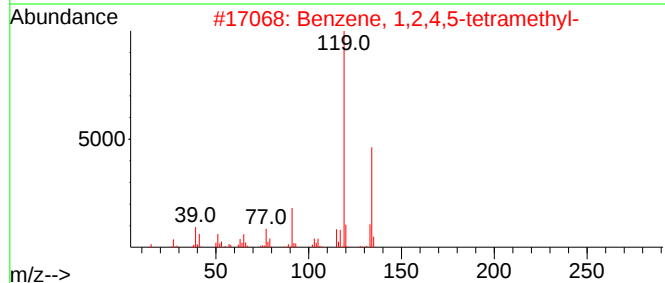
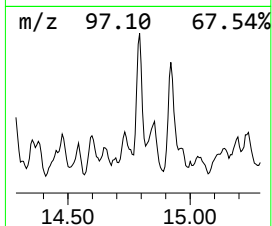
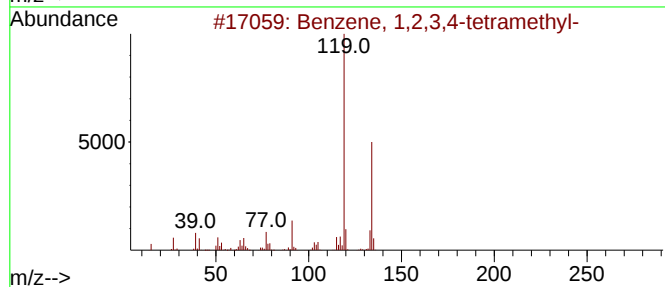
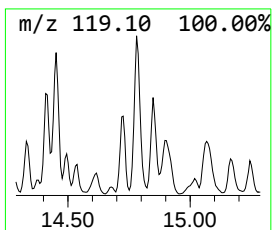
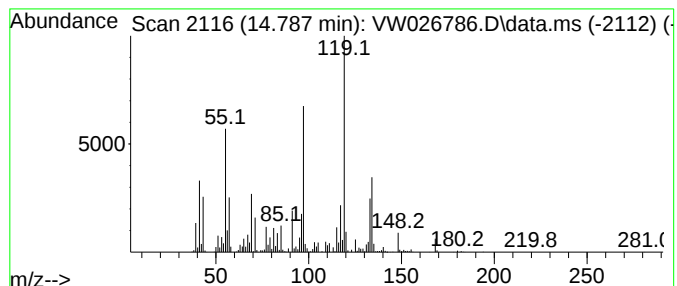
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 61 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	96.37 ug/L	1541850	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	55
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	55
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
5			p-Cymene	134	C10H14	000099-87-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

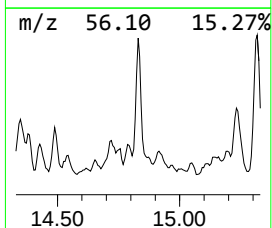
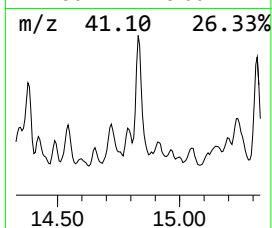
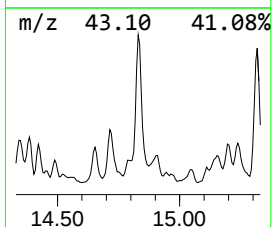
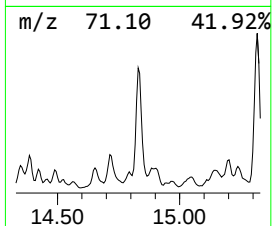
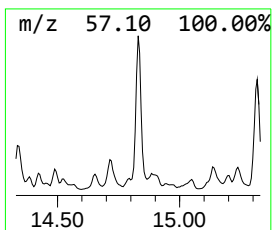
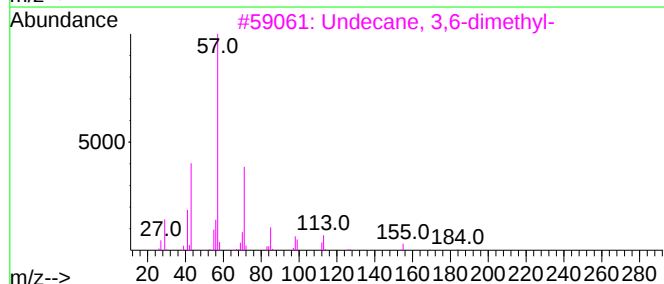
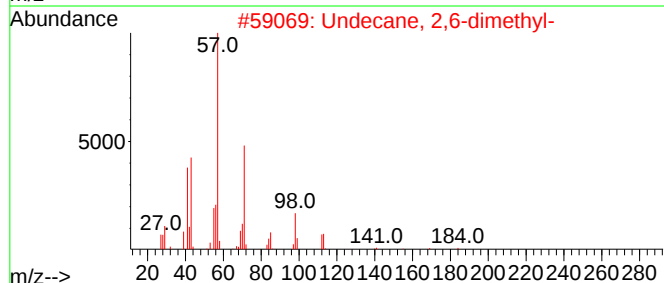
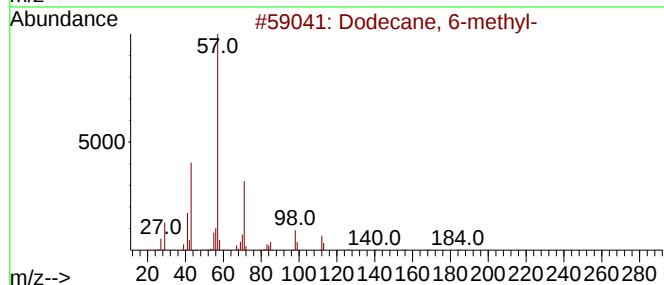
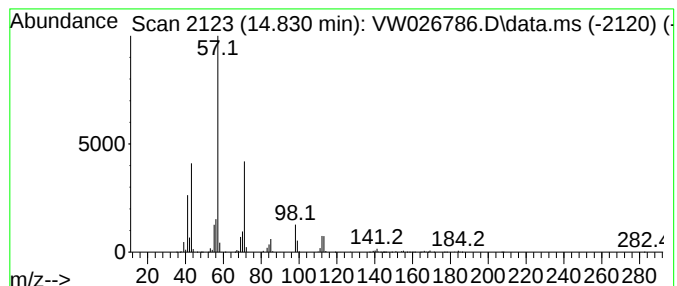
Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

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 62 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.830	213.93 ug/L	3422510	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-		184	C13H28	006044-71-9	95
2	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	94
3	Undecane, 3,6-dimethyl-		184	C13H28	017301-28-9	94
4	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	81
5	Undecane, 4,6-dimethyl-		184	C13H28	017312-82-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

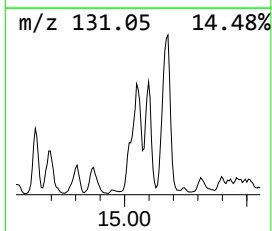
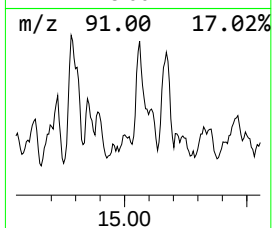
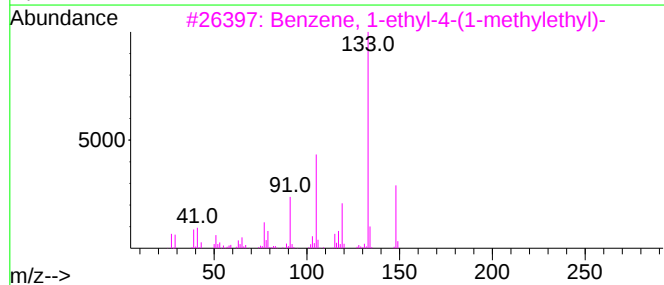
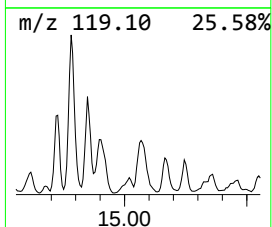
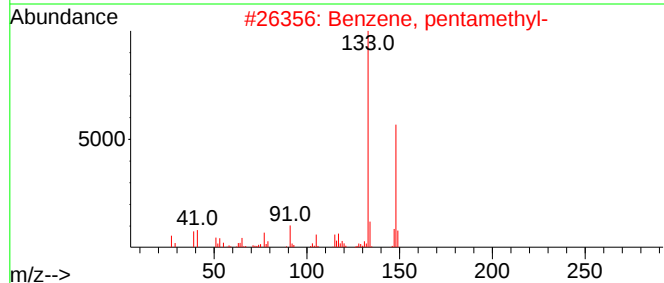
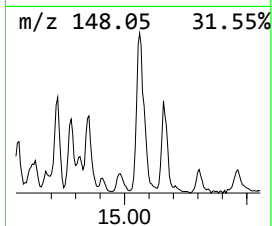
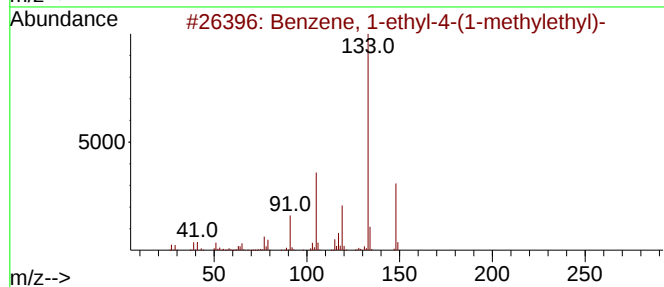
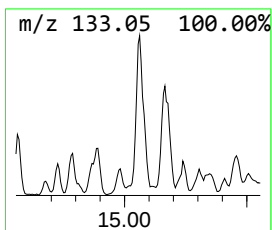
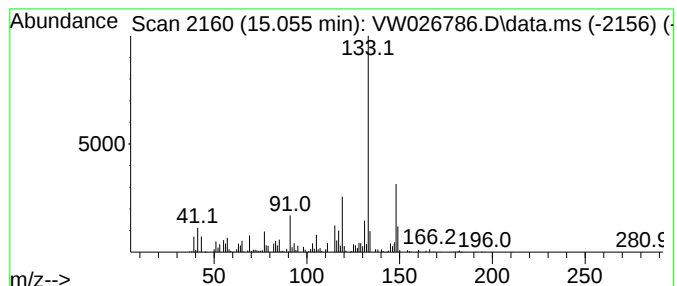
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 63 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.055	43.09 ug/L	689390	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	81
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	74
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
4			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

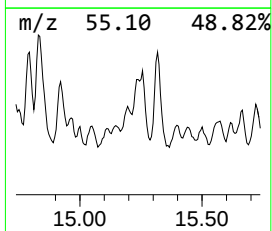
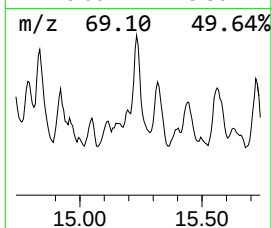
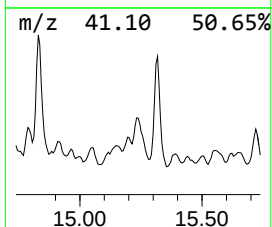
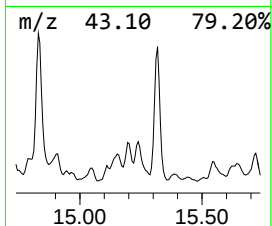
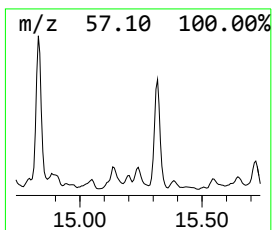
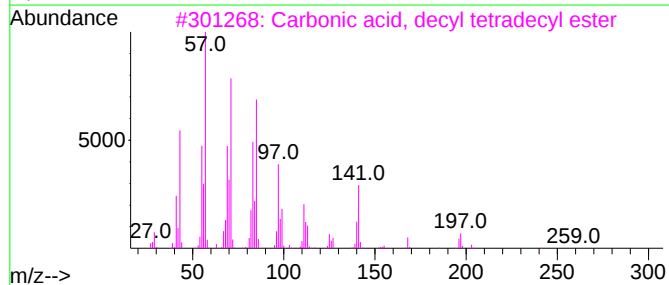
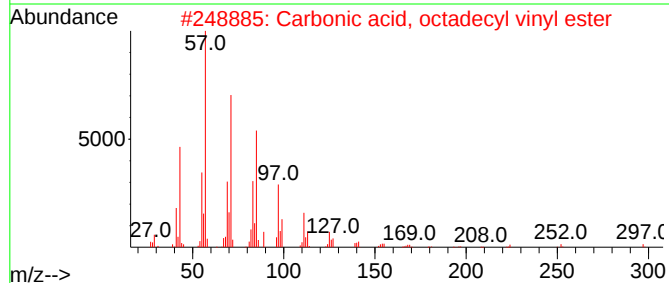
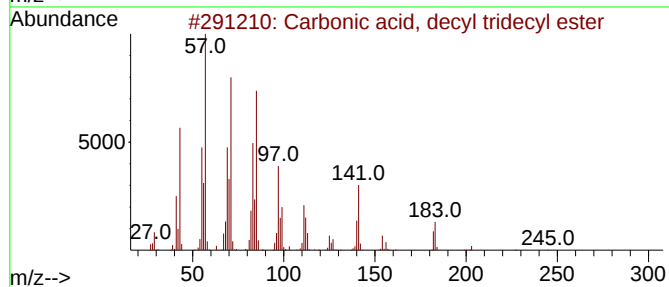
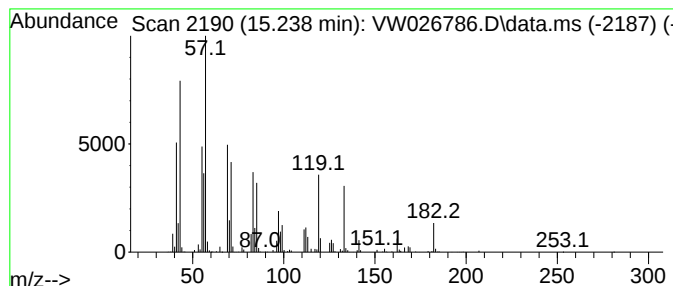
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 64 Carbonic acid, decyl tridec... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.238	104.52 ug/L	1672150	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, decyl tridecyl ester	384	C24H48O3	1000383-16-2	58
2			Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	52
3			Carbonic acid, decyl tetradecyl ...	398	C25H50O3	1010383-16-3	52
4			Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	49
5			Dodecyl nonyl ether	312	C21H44O	1000406-37-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

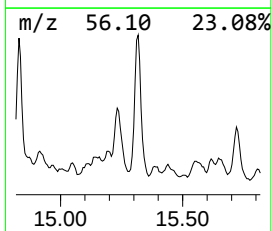
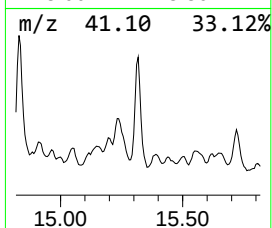
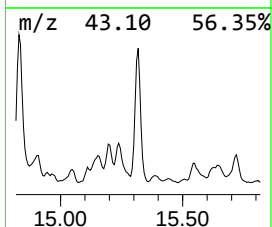
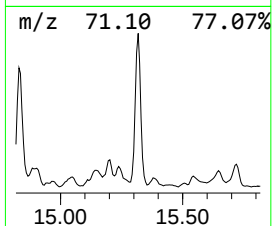
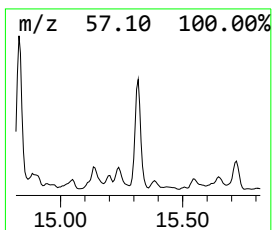
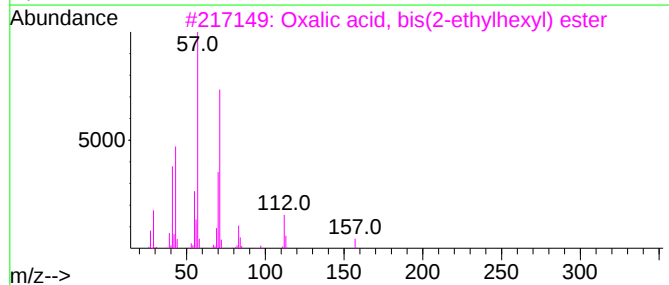
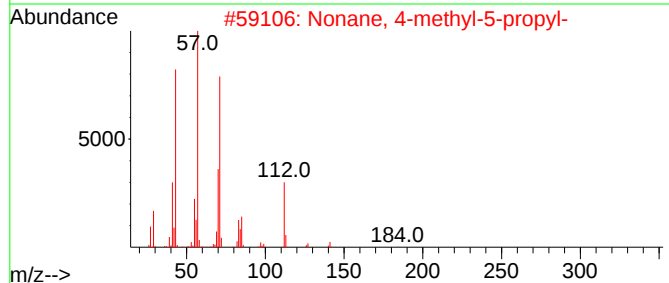
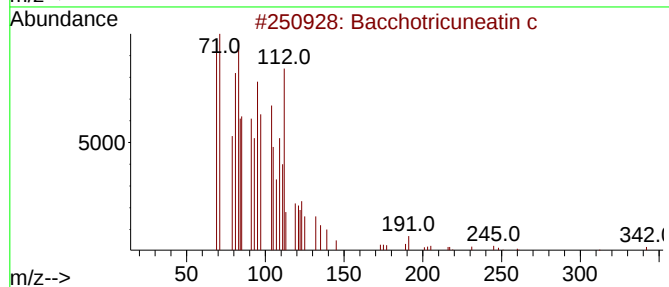
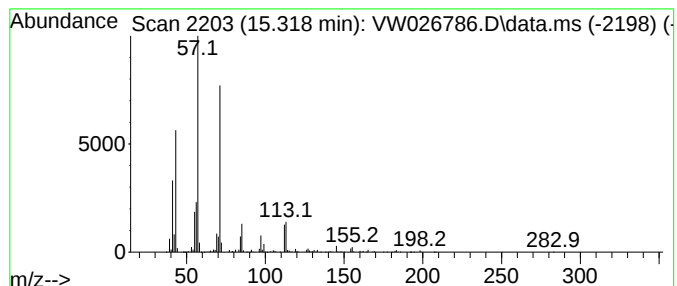
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 65 Bacchotricuneatin c Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	191.61 ug/L	3065440	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	64
3			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64
4			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5			Carbonic acid, dodecyl 2-ethylhe...	342	C21H42O3	1000383-13-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

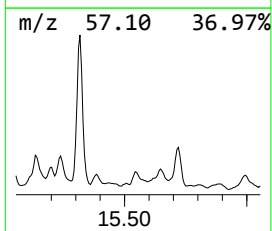
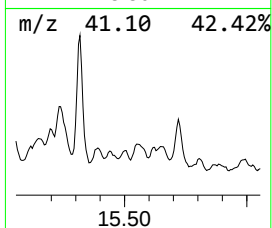
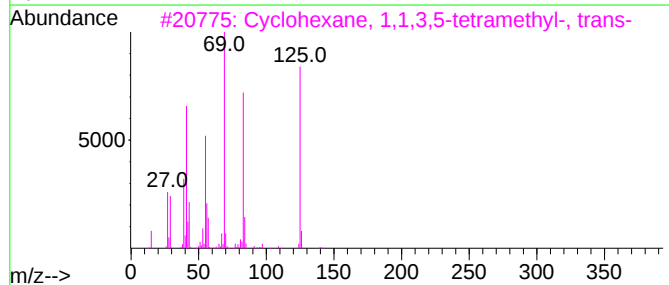
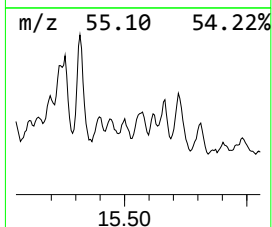
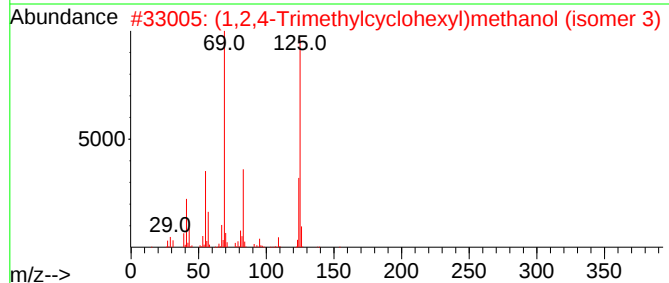
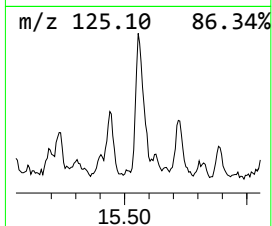
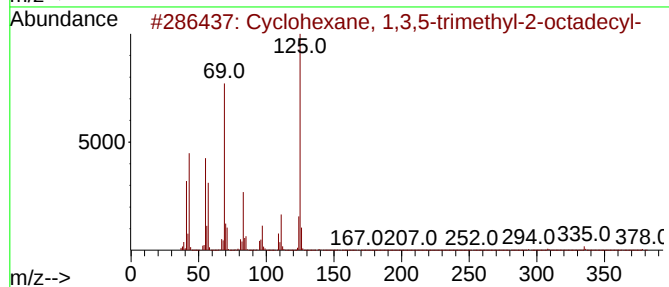
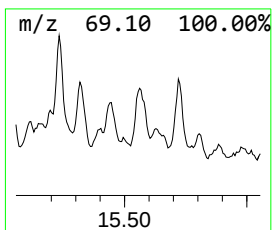
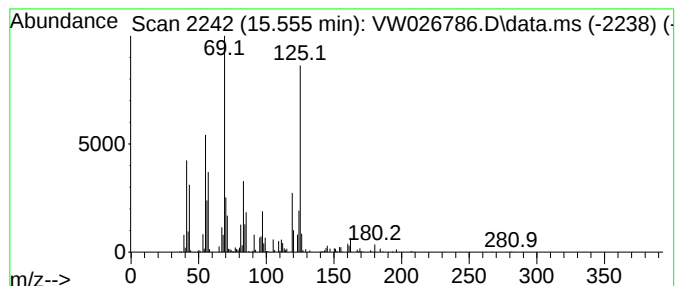
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 66 (DEL) Alkane: Cyclic15.555 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.555	48.75 ug/L	779905	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	64
2			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-04-0	59
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
4			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

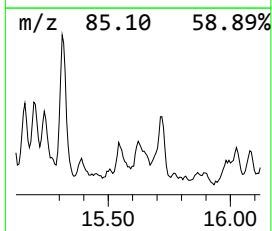
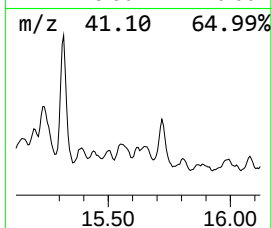
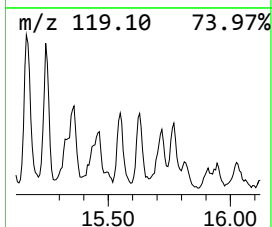
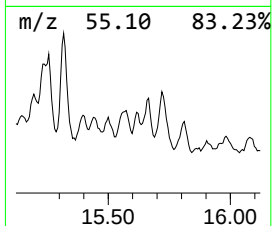
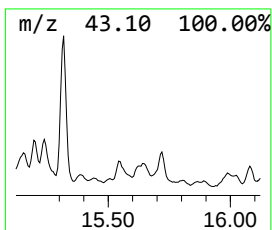
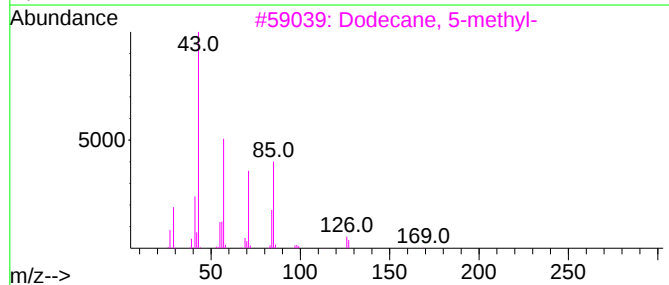
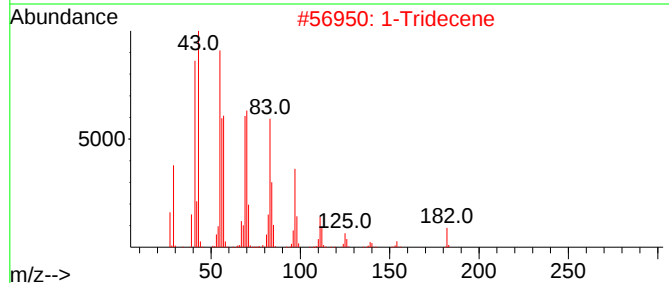
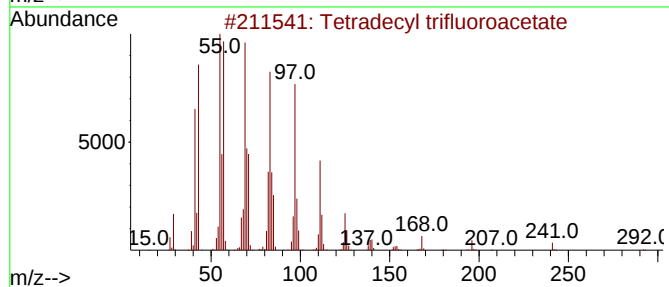
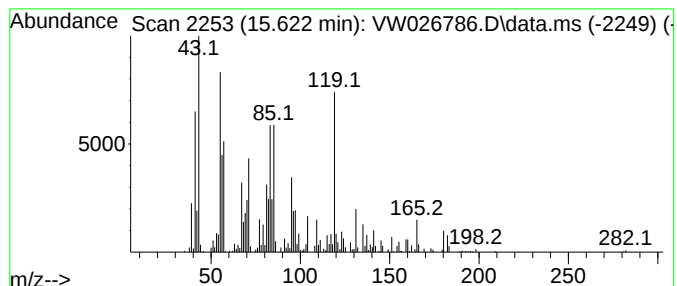
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 67 unknown-04 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.622	22.62 ug/L	361901	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	35
2			1-Tridecene	182	C13H26	002437-56-1	25
3			Dodecane, 5-methyl-	184	C13H28	017453-93-9	22
4			2-Tridecene, (Z)-	182	C13H26	041446-59-7	18
5			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

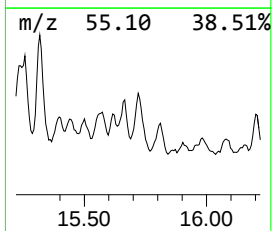
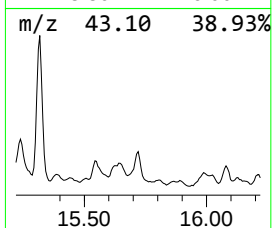
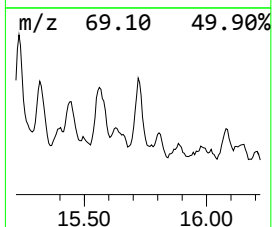
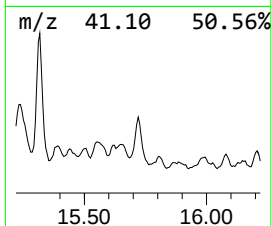
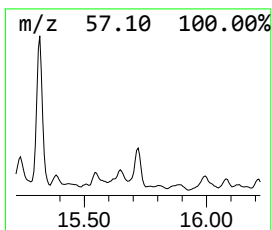
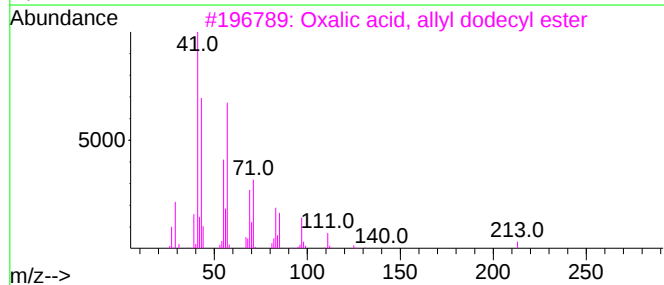
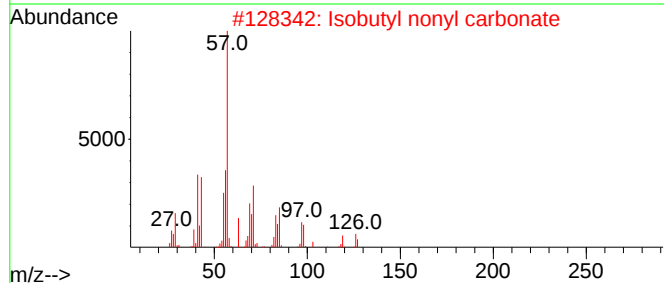
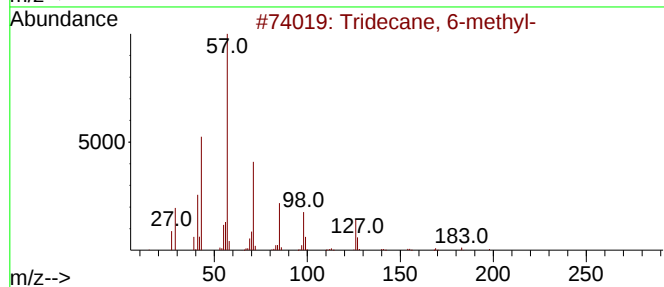
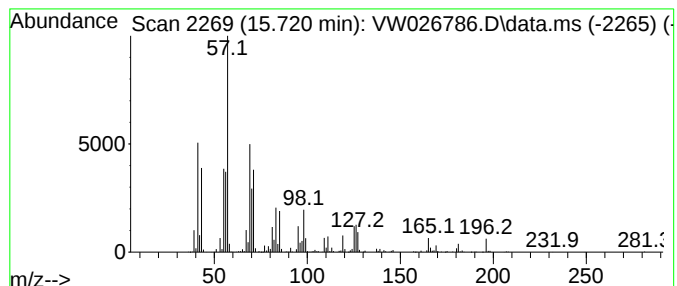
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	79.86 ug/L	1277570	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	60
2			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	50
3			Oxalic acid, allyl dodecyl ester	298	C17H30O4	1000309-24-0	43
4			Isobutyl tetratriacontyl ether	551	C38H78O	1000406-33-7	38
5			Dotriacontyl isobutyl ether	523	C36H74O	1010406-33-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

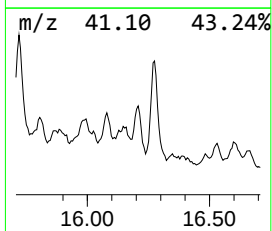
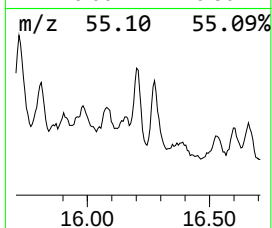
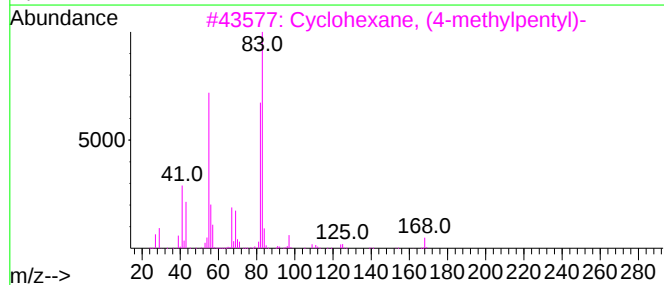
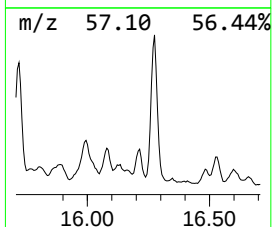
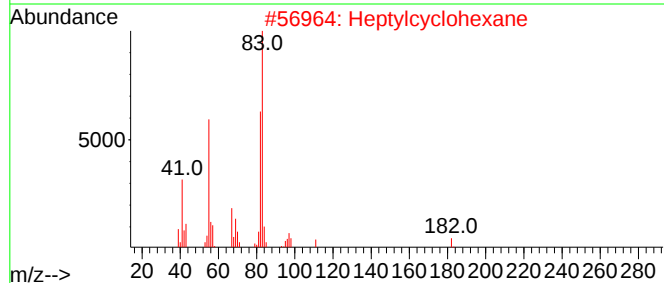
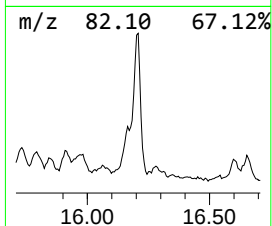
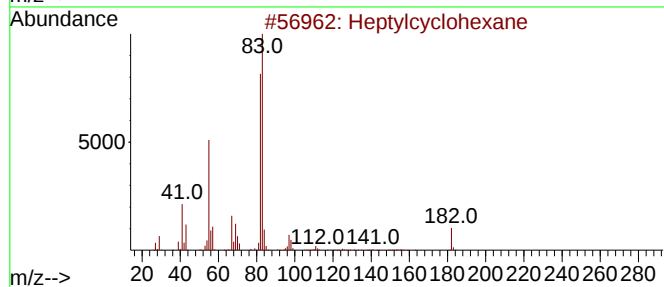
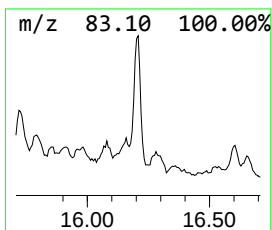
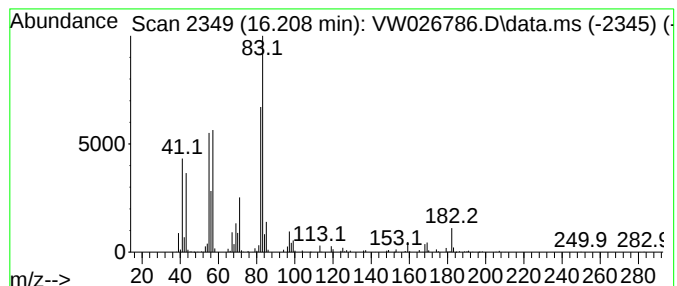
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 69 (DEL) Alkane: Cyclic16.208 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.208	32.27 ug/L	516246	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	70
2			Heptylcyclohexane	182	C13H26	005617-41-4	59
3			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
4			Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	38
5			Oxalic acid, cyclohexyl decyl ester	312	C18H32O4	1000309-31-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026786.D
Acq On : 21 Aug 2023 12:52
Operator : SY/MD
Sample : 04037-14RE
Misc : 4.45g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3RE

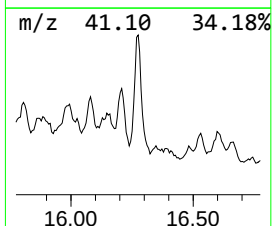
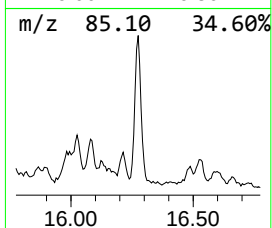
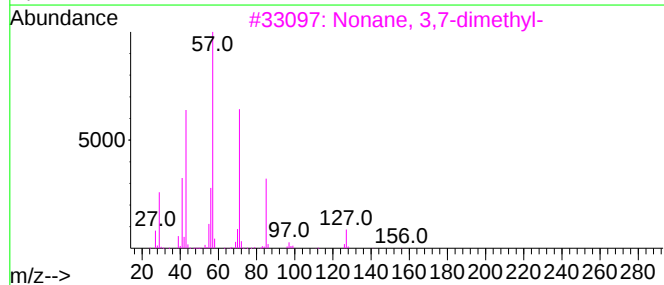
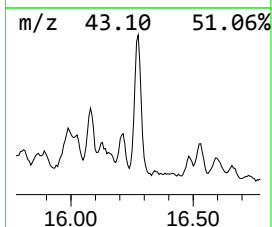
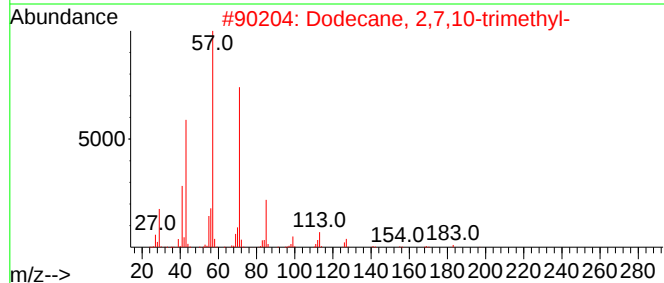
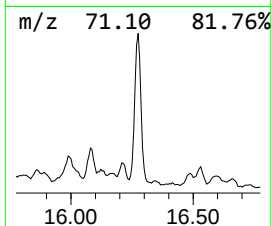
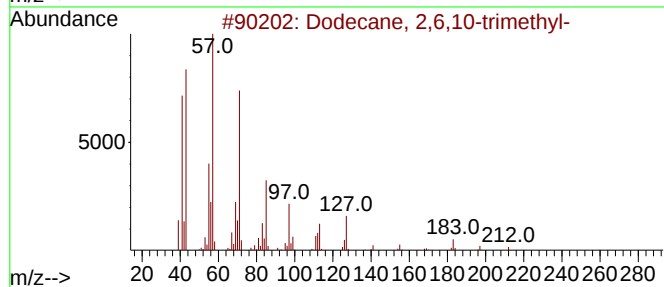
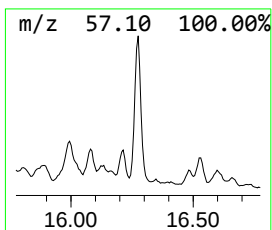
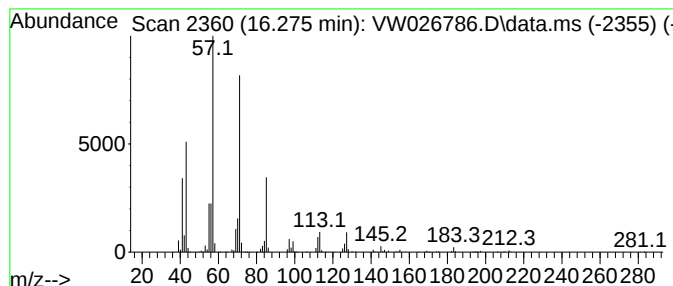
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	90.44 ug/L	1446930	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026786.D
 Acq On : 21 Aug 2023 12:52
 Operator : SY/MD
 Sample : 04037-14RE
 Misc : 4.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH3RE

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

					--Internal Standard--				
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: S...	5.435	5.0	ug/L	301658	1	8.843	1521830	25.0	
(DEL) Alkane: C...	6.984	4.7	ug/L	283487	1	8.843	1521830	25.0	
(DEL) Alkane: S...	8.032	4.9	ug/L	298212	1	8.843	1521830	25.0	
(DEL) Alkane: S...	8.154	9.7	ug/L	592264	1	8.843	1521830	25.0	
(DEL) Alkane: C...	8.435	6.3	ug/L	383701	1	8.843	1521830	25.0	
(DEL) Alkane: C...	8.508	4.5	ug/L	274091	1	8.843	1521830	25.0	
(DEL) Alkane: C...	8.575	9.2	ug/L	562010	1	8.843	1521830	25.0	
(DEL) Alkane: S...	8.691	4.4	ug/L	265513	1	8.843	1521830	25.0	
(DEL) Alkane: C...	9.514	4.3	ug/L	261436	1	8.843	1521830	25.0	
(DEL) Alkane: C...	9.605	10.7	ug/L	652359	1	8.843	1521830	25.0	
(DEL) Alkane: C...	9.752	15.1	ug/L	916751	1	8.843	1521830	25.0	
(DEL) Alkane: S...	9.898	5.0	ug/L	301490	1	8.843	1521830	25.0	
(DEL) Alkane: S...	9.953	19.8	ug/L	1206190	1	8.843	1521830	25.0	
(DEL) Alkane: S...	10.093	29.3	ug/L	1781080	1	8.843	1521830	25.0	
1,2-Cyclohexane...	10.501	33.4	ug/L	1825960	2	11.629	1366110	25.0	
(DEL) Alkane: C...	10.666	37.7	ug/L	2060360	2	11.629	1366110	25.0	
(DEL) Alkane: C...	10.757	20.2	ug/L	1101640	2	11.629	1366110	25.0	
(DEL) Alkane: S...	10.843	9.3	ug/L	507855	2	11.629	1366110	25.0	
(DEL) Alkane: S...	11.032	26.8	ug/L	1462540	2	11.629	1366110	25.0	
(DEL) Alkane: C...	11.105	10.1	ug/L	550652	2	11.629	1366110	25.0	
(DEL) Alkane: C...	11.178	51.8	ug/L	2830050	2	11.629	1366110	25.0	
(DEL) Alkane: C...	11.227	61.8	ug/L	3375170	2	11.629	1366110	25.0	
(DEL) Alkane: C...	11.282	5.1	ug/L	279548	2	11.629	1366110	25.0	
(DEL) Alkane: S...	11.337	26.4	ug/L	1442950	2	11.629	1366110	25.0	
(DEL) Alkane: S...	11.404	29.9	ug/L	1631310	2	11.629	1366110	25.0	
(DEL) Alkane: S...	11.507	38.5	ug/L	2106580	2	11.629	1366110	25.0	
(DEL) Alkane: C...	11.910	26.9	ug/L	1469740	2	11.629	1366110	25.0	
(DEL) Alkane: S...	11.971	18.2	ug/L	995963	2	11.629	1366110	25.0	
(DEL) Alkane: S...	12.056	21.1	ug/L	1153690	2	11.629	1366110	25.0	
(DEL) Alkane: S...	12.251	79.3	ug/L	4335450	2	11.629	1366110	25.0	
(DEL) Alkane: S...	12.361	243.4	ug/L	13301300	2	11.629	1366110	25.0	
.alpha.-Pinene	12.470	43.8	ug/L	2390950	2	11.629	1366110	25.0	
(DEL) Alkane: S...	12.538	60.4	ug/L	3298130	2	11.629	1366110	25.0	
unknown-01	12.617	48.3	ug/L	771916	3	13.556	399965	25.0	
(DEL) Alkane: S...	12.775	254.3	ug/L	4067990	3	13.556	399965	25.0	
unknown-02	12.861	183.5	ug/L	2936060	3	13.556	399965	25.0	
(DEL) Alkane: C...	13.074	71.3	ug/L	1140550	3	13.556	399965	25.0	
(DEL) Alkane: C...	13.123	67.1	ug/L	1073440	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.159	291.5	ug/L	4662920	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.342	76.0	ug/L	1215390	3	13.556	399965	25.0	
Oxalic acid, bu...	13.373	33.2	ug/L	530817	3	13.556	399965	25.0	
(DEL) Alkane: C...	13.440	248.0	ug/L	3967770	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.477	92.4	ug/L	1478020	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.617	34.1	ug/L	545358	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.690	79.3	ug/L	1268050	3	13.556	399965	25.0	
(DEL) Alkane: C...	13.794	15.6	ug/L	249644	3	13.556	399965	25.0	
Sulfurous acid,...	13.915	38.5	ug/L	615618	3	13.556	399965	25.0	
(DEL) Alkane: S...	13.976	38.3	ug/L	612820	3	13.556	399965	25.0	
(DEL) Alkane: S...	14.019	55.6	ug/L	889582	3	13.556	399965	25.0	
(DEL) Alkane: S...	14.129	68.5	ug/L	1095540	3	13.556	399965	25.0	
1,3,5-Cyclohept...	14.196	61.0	ug/L	976026	3	13.556	399965	25.0	
unknown-03	14.257	60.1	ug/L	961882	3	13.556	399965	25.0	

(DEL) Alkane: S...	14.342	94.3	ug/L	1509050	3	13.556	399965	25.0
(DEL) Alkane: C...	14.379	135.6	ug/L	2168980	3	13.556	399965	25.0
(DEL) Alkane: S...	14.421	27.9	ug/L	446380	3	13.556	399965	25.0
(DEL) Alkane: S...	14.489	32.3	ug/L	516564	3	13.556	399965	25.0
Naphthalene, de...	14.543	92.5	ug/L	1479080	3	13.556	399965	25.0
(DEL) Alkane: S...	14.653	14.8	ug/L	235994	3	13.556	399965	25.0
(DEL) Alkane: S...	14.720	68.3	ug/L	1092140	3	13.556	399965	25.0
Benzene, 1,2,3,...	14.787	96.4	ug/L	1541850	3	13.556	399965	25.0
(DEL) Alkane: S...	14.830	213.9	ug/L	3422510	3	13.556	399965	25.0
Benzene, 1-ethy...	15.055	43.1	ug/L	689390	3	13.556	399965	25.0
Carbonic acid, ...	15.238	104.5	ug/L	1672150	3	13.556	399965	25.0
Bacchotricuneat...	15.318	191.6	ug/L	3065440	3	13.556	399965	25.0
(DEL) Alkane: C...	15.555	48.8	ug/L	779905	3	13.556	399965	25.0
unknown-04	15.622	22.6	ug/L	361901	3	13.556	399965	25.0
(DEL) Alkane: S...	15.720	79.9	ug/L	1277570	3	13.556	399965	25.0
(DEL) Alkane: C...	16.208	32.3	ug/L	516246	3	13.556	399965	25.0
(DEL) Alkane: S...	16.275	90.4	ug/L	1446930	3	13.556	399965	25.0

Instrument :

MSVOA_W

ClientSampleId :

EZYH3RE