

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
 Data File : VW026397.D
 Acq On : 28 Jun 2023 14:45
 Operator : SY/MD
 Sample : 03420-14
 Misc : 4.84g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46E9

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\SFAMWLM062623SMA.M
 Title : SFAM01.0

Signal : TIC: VW026397.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	38	42	45	rBV2	10453	16410	0.18%	0.015%
2	2.363	69	78	96	rBV	149982	437966	4.92%	0.398%
3	2.625	117	121	124	rBV6	7954	13581	0.15%	0.012%
4	2.893	158	165	182	rVB	144607	439614	4.94%	0.400%
5	3.301	229	232	238	rVB8	3560	5869	0.07%	0.005%
6	3.387	241	246	247	rBV4	3590	6183	0.07%	0.006%
7	4.021	339	350	360	rBV	299282	991957	11.14%	0.902%
8	4.118	360	366	380	rVB	101433	289158	3.25%	0.263%
9	4.393	403	411	419	rVV	13712	42612	0.48%	0.039%
10	4.923	487	498	499	rBV2	9045	19249	0.22%	0.018%
11	5.008	507	512	513	rBV5	5162	7850	0.09%	0.007%
12	5.947	658	666	671	rBV10	5055	13157	0.15%	0.012%
13	7.075	843	851	860	rBV	105326	315847	3.55%	0.287%
14	7.173	861	867	877	rVB	45683	131099	1.47%	0.119%
15	7.648	933	945	957	rBV	534046	1302763	14.63%	1.184%
16	8.038	1003	1009	1013	rBV9	3605	7799	0.09%	0.007%
17	8.160	1023	1029	1034	rBV5	8982	20029	0.22%	0.018%
18	8.276	1035	1048	1064	rVV2	1066319	3173903	35.63%	2.886%
19	8.429	1069	1073	1076	rVV6	5708	12641	0.14%	0.011%
20	8.477	1078	1081	1090	rVV	9997	29402	0.33%	0.027%
21	8.575	1091	1097	1103	rVB	8279	19991	0.22%	0.018%
22	8.697	1112	1117	1125	rBV9	7031	19909	0.22%	0.018%
23	8.843	1132	1141	1154	rBV	1104815	2144383	24.07%	1.950%
24	9.069	1174	1178	1186	rVV	8017	21830	0.25%	0.020%
25	9.148	1189	1191	1197	rVB6	5599	9019	0.10%	0.008%
26	9.276	1203	1212	1219	rBV	727301	1549223	17.39%	1.409%
27	9.331	1219	1221	1227	rVV2	60455	108712	1.22%	0.099%
28	9.386	1227	1230	1235	rVB3	21516	35674	0.40%	0.032%
29	9.611	1263	1267	1272	rVB2	16071	27933	0.31%	0.025%
30	9.752	1285	1290	1299	rBV2	31326	62399	0.70%	0.057%
31	9.898	1309	1314	1318	rBV2	30350	53006	0.60%	0.048%
32	9.989	1326	1329	1330	rBV3	13120	13664	0.15%	0.012%
33	10.032	1331	1336	1342	rVV	335954	593979	6.67%	0.540%
34	10.325	1376	1384	1399	rBV	1357612	2554575	28.68%	2.323%
35	10.501	1407	1413	1419	rVB6	40623	105529	1.18%	0.096%
36	10.575	1420	1425	1431	rBV	211513	392604	4.41%	0.357%

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 Title : SFAM01.0

37	10.666	1436	1440	1447	rVB	65996	113953	1.28%	0.104%
38	10.764	1450	1456	1459	rBV4	54632	115044	1.29%	0.105%
39	10.843	1465	1469	1474	rVB	75187	120078	1.35%	0.109%
40	10.928	1476	1483	1491	rBV2	698560	1339146	15.03%	1.218%
41	11.032	1495	1500	1508	rBV	199362	378560	4.25%	0.344%
42	11.111	1508	1513	1516	rBV3	66203	108246	1.22%	0.098%
43	11.178	1520	1524	1527	rBV	102614	143971	1.62%	0.131%
44	11.227	1527	1532	1538	rBV	344041	616660	6.92%	0.561%
45	11.282	1538	1541	1544	rBV4	63754	97344	1.09%	0.089%
46	11.337	1545	1550	1554	rBV	371496	643675	7.23%	0.585%
47	11.434	1563	1566	1573	rVB2	262565	451580	5.07%	0.411%
48	11.507	1573	1578	1589	rVB2	271164	540068	6.06%	0.491%
49	11.629	1591	1598	1607	rBV	1120155	1941995	21.80%	1.766%
50	11.763	1615	1620	1623	rBV	124919	198005	2.22%	0.180%
51	11.818	1623	1629	1633	rVV3	272552	530953	5.96%	0.483%
52	11.873	1633	1638	1641	rVV	435736	738509	8.29%	0.671%
53	11.916	1642	1645	1650	rVB3	274337	420294	4.72%	0.382%
54	11.971	1650	1654	1658	rBV2	126922	253045	2.84%	0.230%
55	12.062	1664	1669	1673	rVB2	254621	455564	5.11%	0.414%
56	12.135	1674	1681	1686	rBV4	740638	1601092	17.97%	1.456%
57	12.184	1687	1689	1692	rVV2	176019	212890	2.39%	0.194%
58	12.251	1693	1700	1704	rVB	1352119	2237817	25.12%	2.035%
59	12.361	1704	1718	1725	rBV5	919018	3619604	40.64%	3.291%
60	12.446	1730	1732	1735	rBV3	93256	124122	1.39%	0.113%
61	12.501	1735	1741	1749	rVB3	580775	1326427	14.89%	1.206%
62	12.586	1752	1755	1758	rBV	244526	421666	4.73%	0.383%
63	12.690	1766	1772	1778	rBV2	783362	1672541	18.78%	1.521%
64	12.775	1779	1786	1792	rVB4	793984	1816522	20.39%	1.652%
65	12.855	1792	1799	1804	rBV6	395913	983832	11.04%	0.894%
66	12.940	1805	1813	1818	rBV6	1150008	2981611	33.47%	2.711%
67	13.044	1826	1830	1832	rBV3	400680	634105	7.12%	0.577%
68	13.074	1832	1835	1839	rVB	531618	738088	8.29%	0.671%
69	13.123	1839	1843	1846	rBV3	451806	772859	8.68%	0.703%
70	13.166	1846	1850	1852	rBV	664452	1059118	11.89%	0.963%
71	13.287	1863	1870	1875	rBV	1099038	2073503	23.28%	1.885%
72	13.336	1875	1878	1882	rVV	730533	1107838	12.44%	1.007%
73	13.379	1882	1885	1886	rVV2	371459	471978	5.30%	0.429%
74	13.409	1887	1890	1892	rVV2	746396	1174934	13.19%	1.068%
75	13.446	1892	1896	1899	rVV2	1272799	2231703	25.05%	2.029%
76	13.476	1899	1901	1906	rVV5	552708	929224	10.43%	0.845%

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77	13.556	1910	1914	1917	rVV	661974	986322	11.07%	0.897%
78	13.598	1917	1921	1931	rVB	1826986	4167008	46.78%	3.789%
79	13.696	1931	1937	1942	rBV3	711031	1669743	18.75%	1.518%
80	13.763	1943	1948	1955	rVB	828152	1536086	17.24%	1.397%
81	13.873	1956	1966	1970	rBV4	1676112	4746084	53.28%	4.315%
82	13.921	1971	1974	1979	rVV3	951202	1977138	22.20%	1.798%
83	13.976	1980	1983	1987	rVB2	795947	1060530	11.91%	0.964%
84	14.074	1995	1999	2001	rBV3	659129	1139626	12.79%	1.036%
85	14.104	2001	2004	2013	rVB2	2217209	4817369	54.08%	4.380%
86	14.190	2014	2018	2022	rBV	662489	1024177	11.50%	0.931%
87	14.257	2023	2029	2035	rBV4	1150394	2618928	29.40%	2.381%
88	14.385	2042	2050	2054	rBV2	2127935	4444770	49.90%	4.041%
89	14.495	2064	2068	2071	rBV5	861202	1709447	19.19%	1.554%
90	14.653	2091	2094	2103	rVB4	369301	753554	8.46%	0.685%
91	14.732	2103	2107	2112	rBV6	450992	1006143	11.30%	0.915%
92	14.793	2113	2117	2119	rVV	1042859	1681666	18.88%	1.529%
93	14.848	2121	2126	2135	rVB	3494908	8907489	100.00%	8.098%
94	15.001	2149	2151	2155	rBV4	229533	230187	2.58%	0.209%
95	15.116	2167	2170	2174	rVB3	321592	377272	4.24%	0.343%
96	15.318	2198	2203	2210	rVB	3658107	6078865	68.24%	5.527%
97	15.391	2210	2215	2220	rBV5	665233	1517523	17.04%	1.380%
98	15.568	2240	2244	2249	rBV4	413191	849190	9.53%	0.772%
99	15.866	2289	2293	2295	rBV5	251164	442255	4.96%	0.402%
100	16.275	2355	2360	2369	rVB	2052455	3861508	43.35%	3.511%

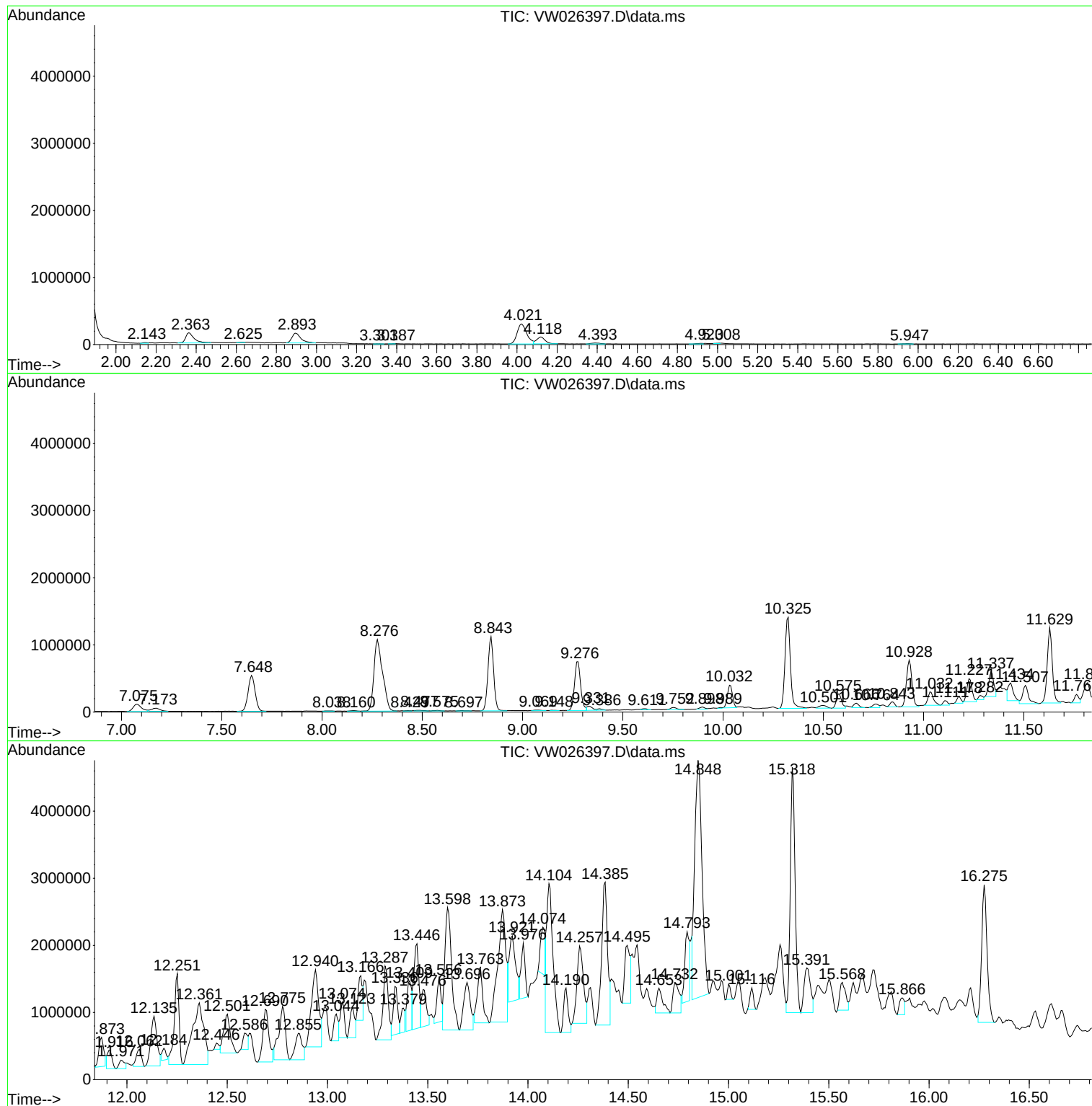
Sum of corrected areas: 109990563

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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



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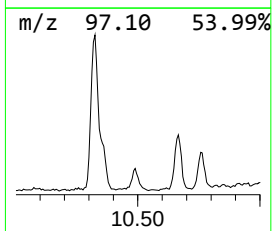
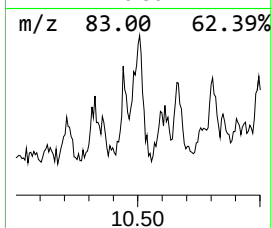
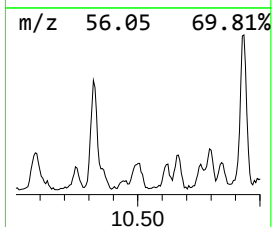
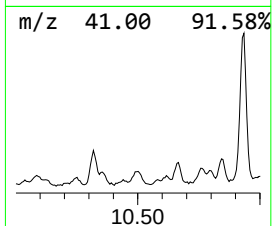
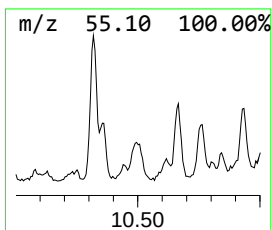
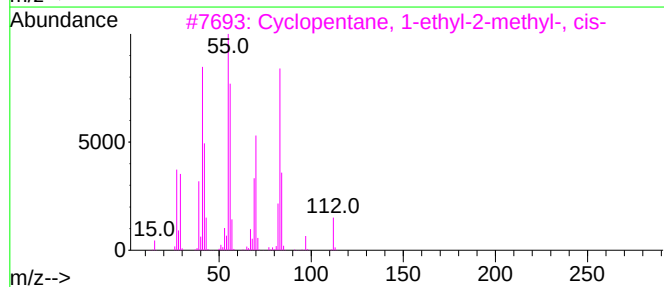
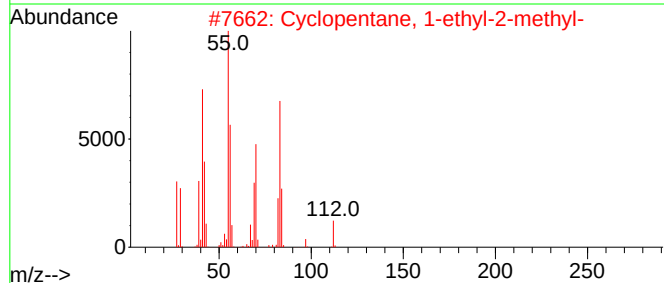
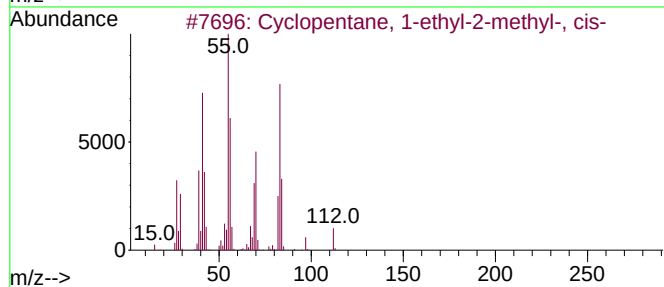
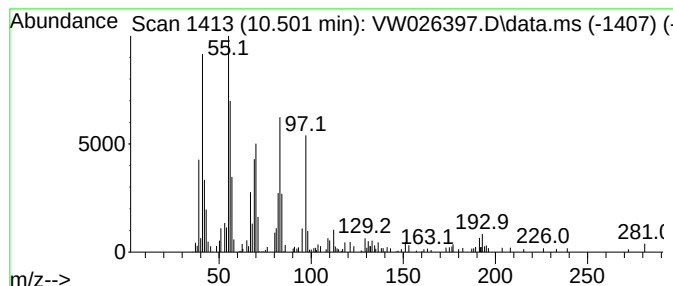
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic10.501 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	1.36 ug/L	105529	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	92
2			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	70
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
4			Cyclotetradecane	196	C14H28	000295-17-0	64
5			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
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Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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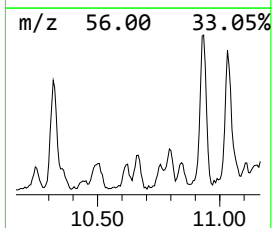
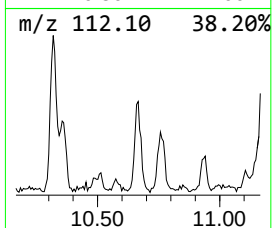
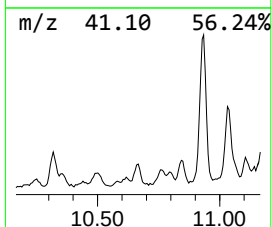
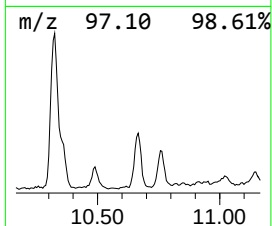
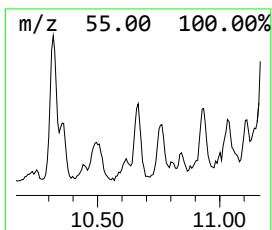
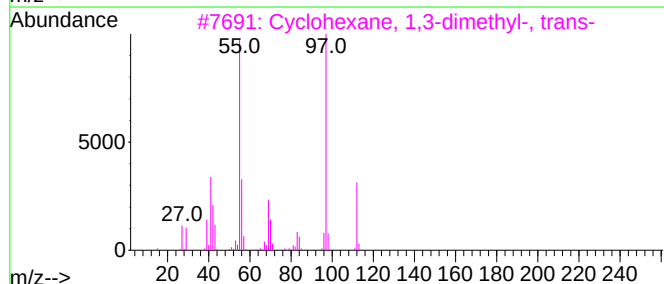
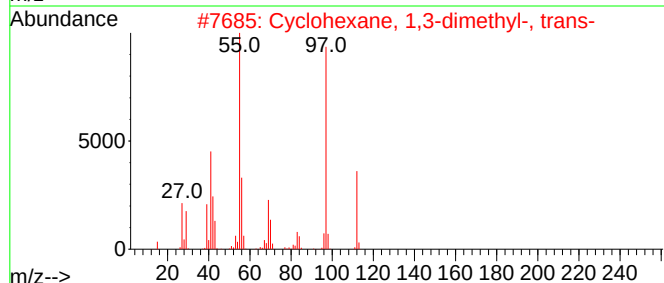
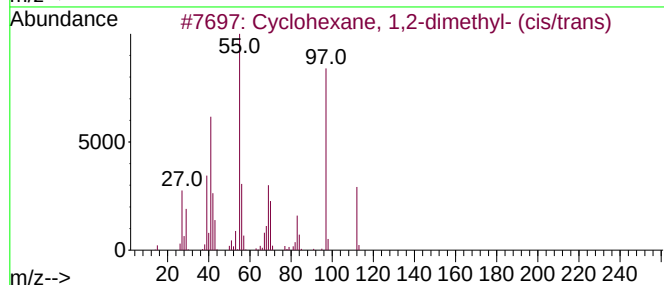
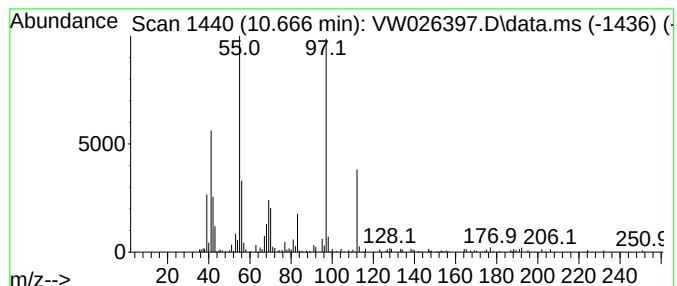
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic10.666 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.47 ug/L	113953	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87



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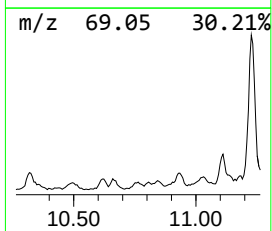
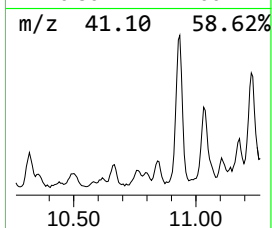
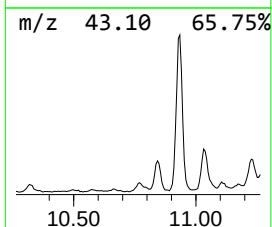
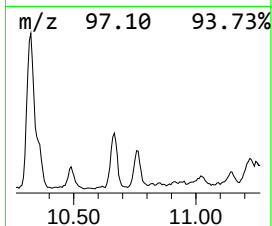
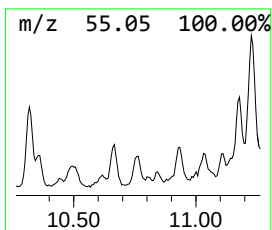
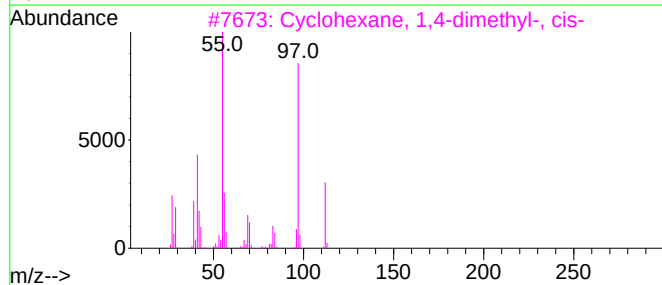
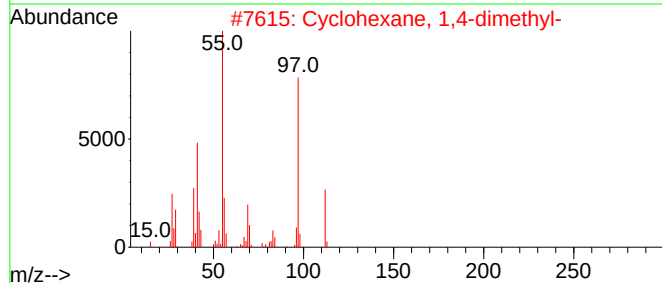
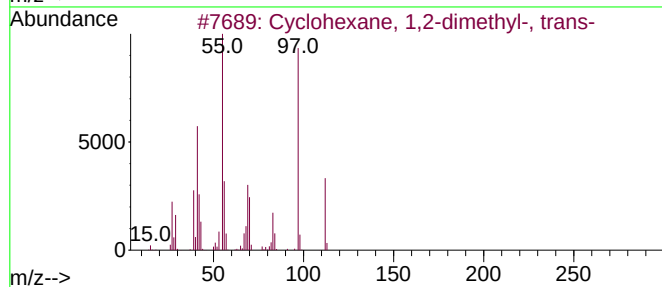
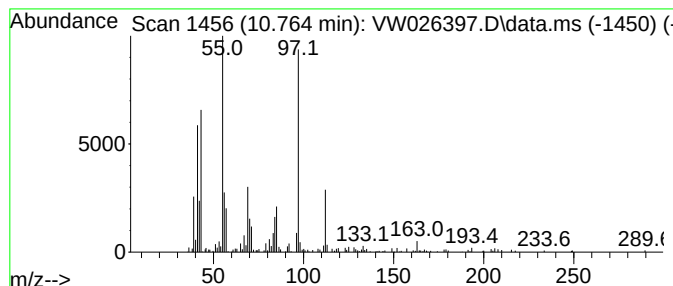
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic10.764 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.764	1.48 ug/L	115044	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83
2			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	74
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	74
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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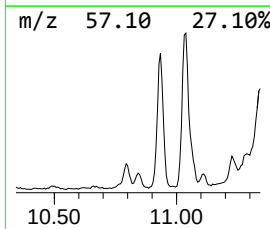
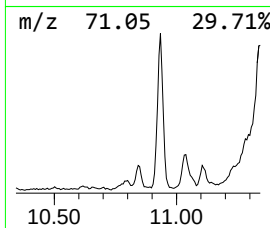
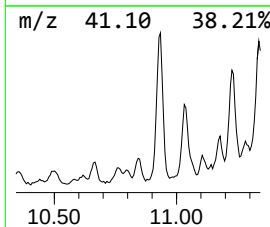
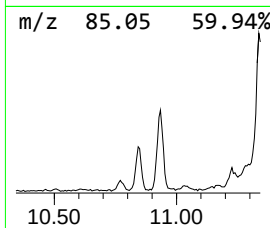
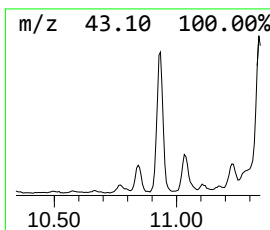
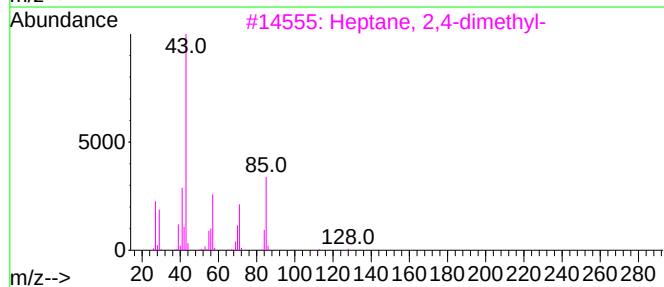
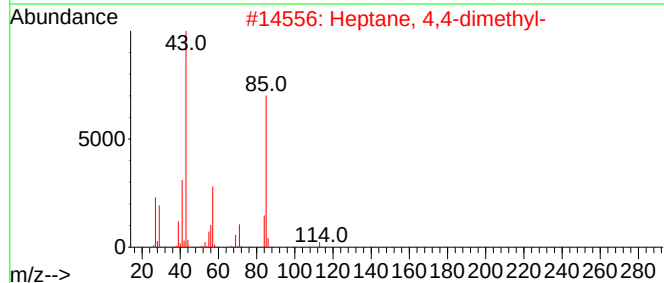
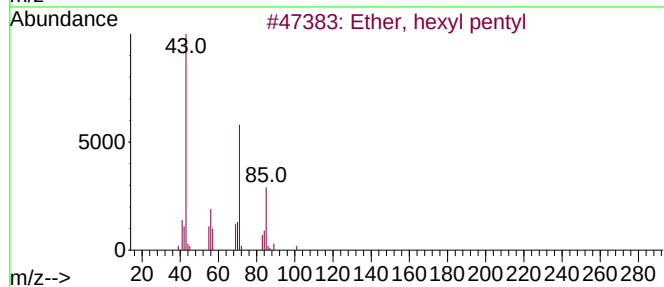
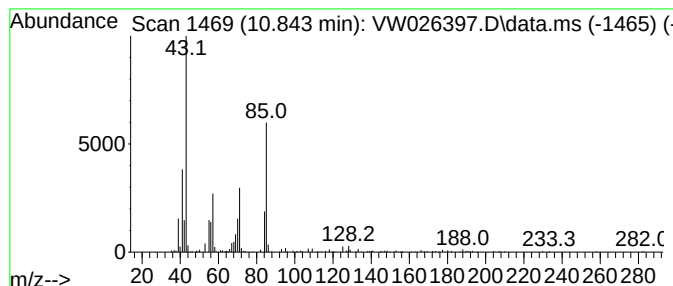
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Quant Title : SFAM01.0

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

Peak Number 5 Ether, hexyl pentyl Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.843	1.55 ug/L	120078	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ether, hexyl pentyl	172	C11H24O	032357-83-8	64
2			Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	59
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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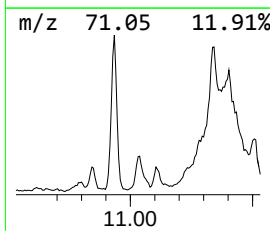
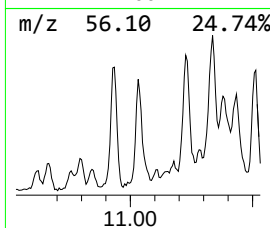
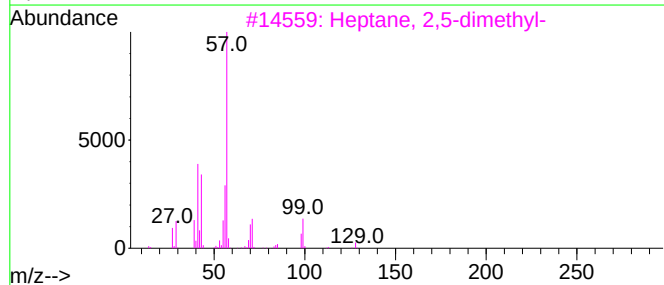
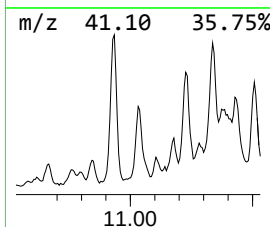
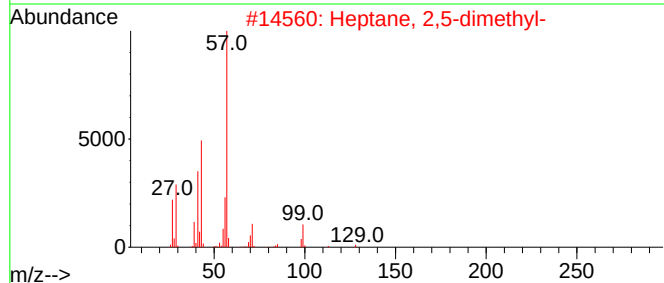
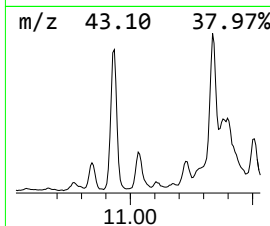
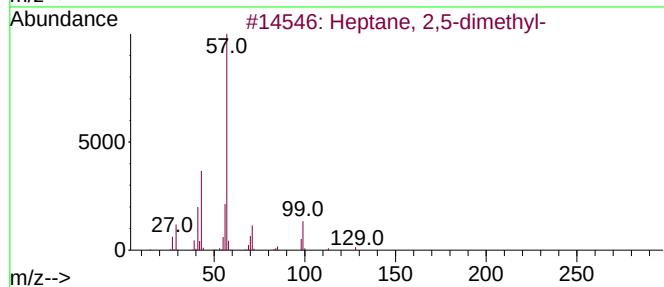
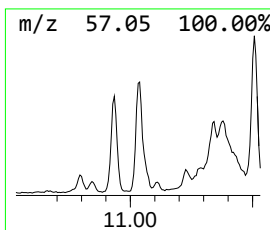
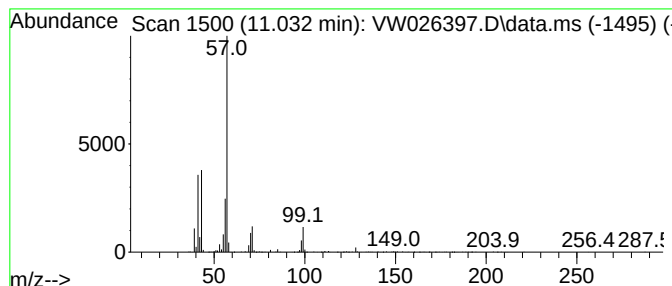
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	4.87 ug/L	378560	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4		Octane, 3-methyl-	128	C9H20	002216-33-3	90
5		Octane, 3-methyl-	128	C9H20	002216-33-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

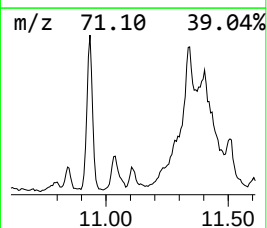
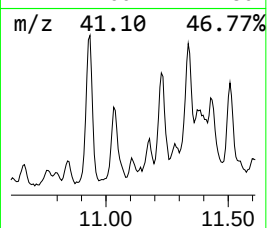
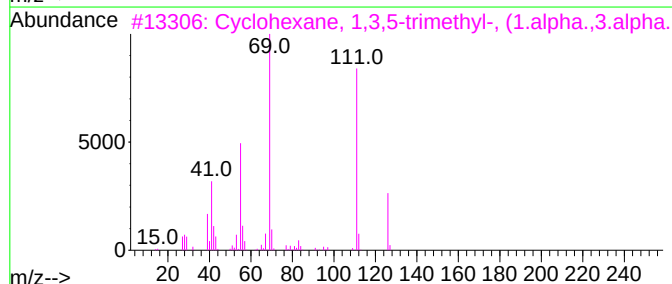
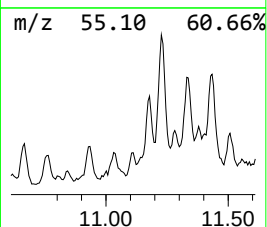
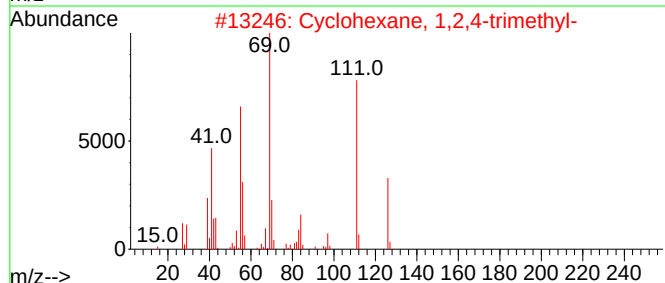
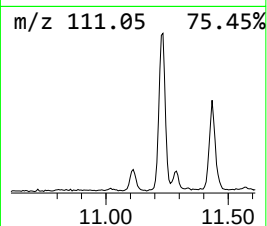
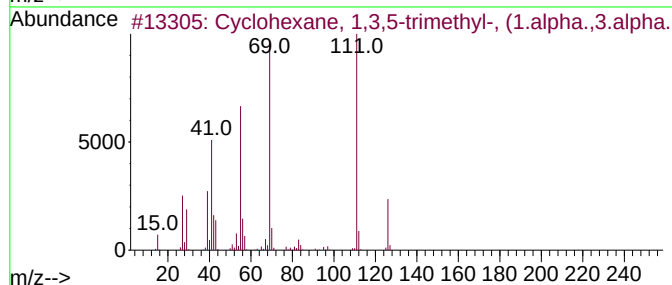
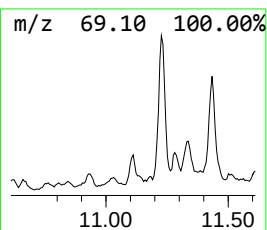
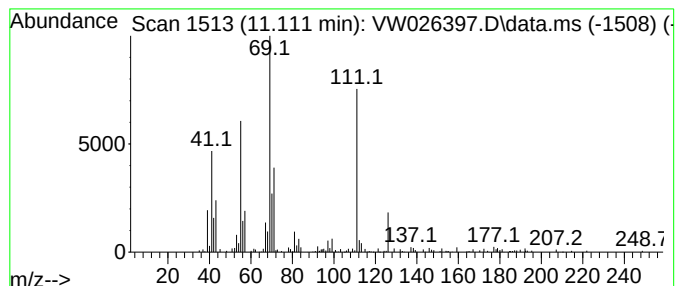
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.111 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.111	1.39 ug/L	108246	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	70
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	62
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	62
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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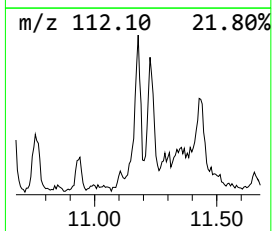
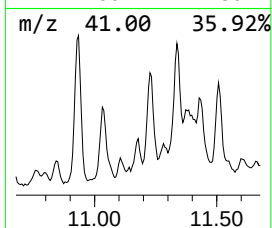
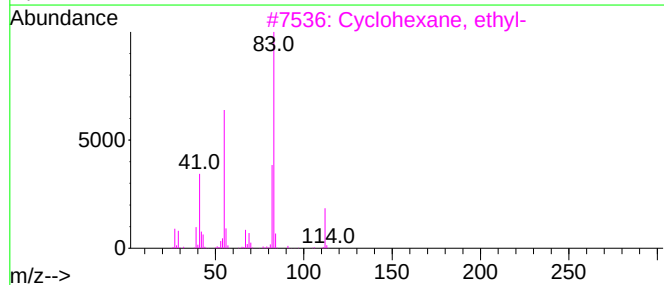
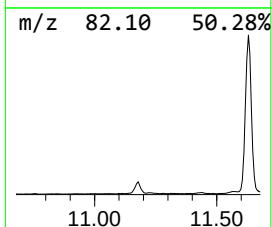
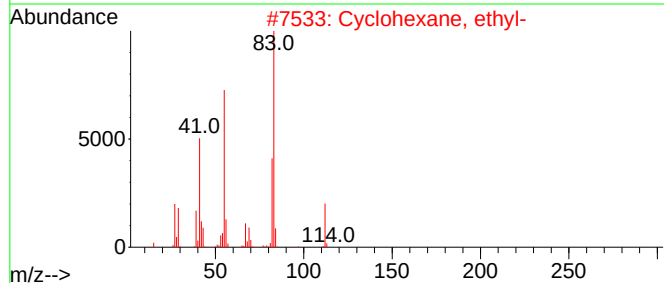
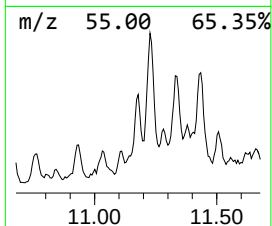
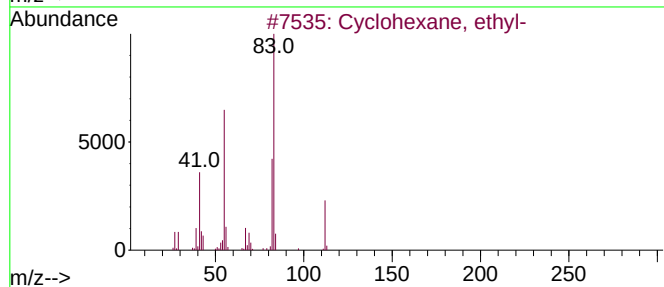
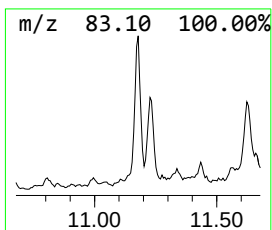
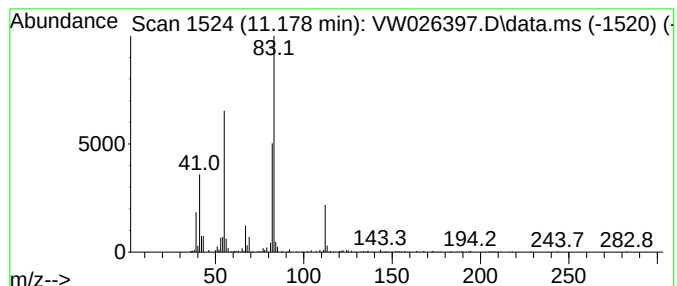
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.178 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	1.85 ug/L	143971	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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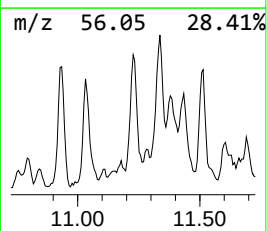
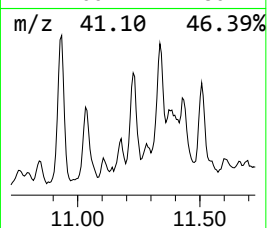
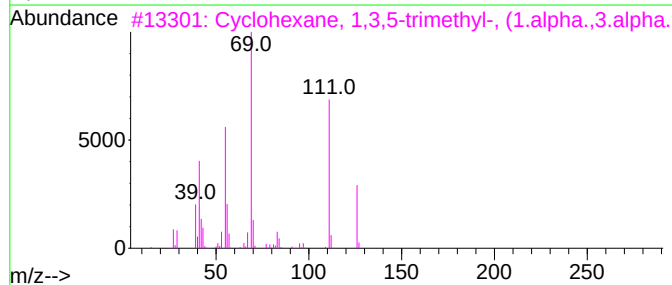
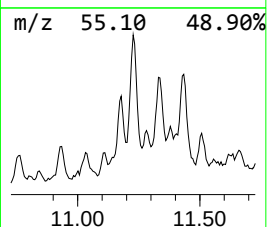
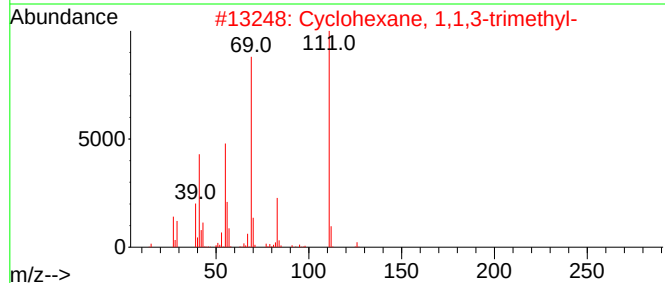
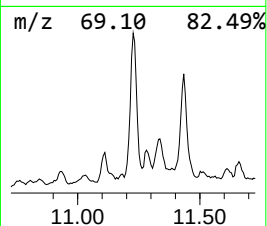
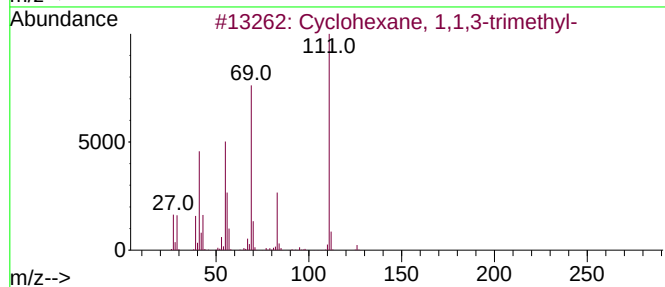
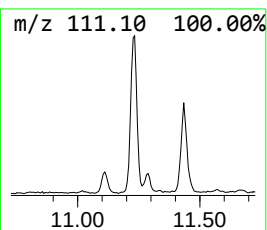
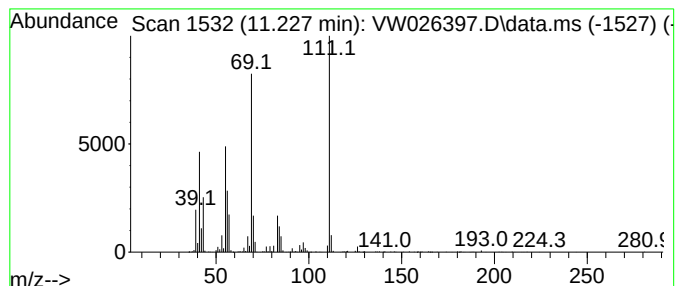
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.227 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	7.94 ug/L	616660	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72
4			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

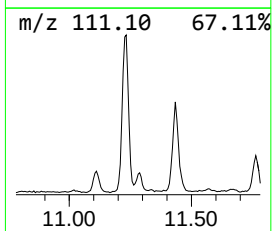
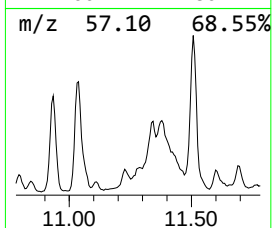
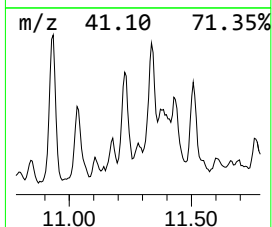
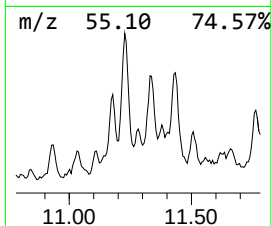
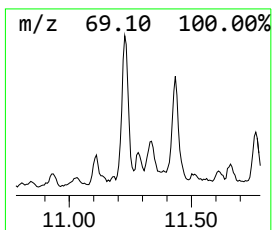
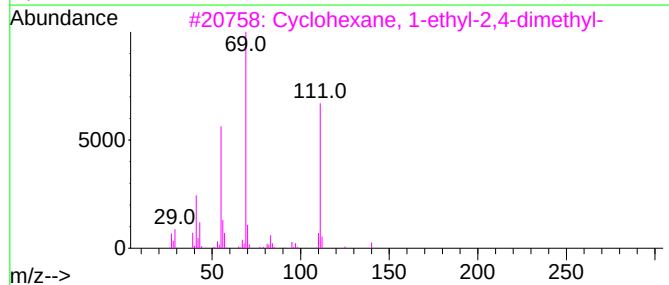
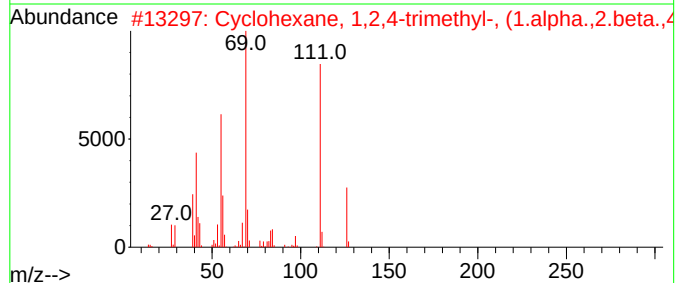
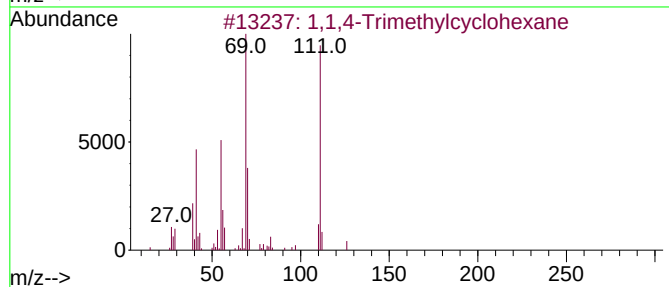
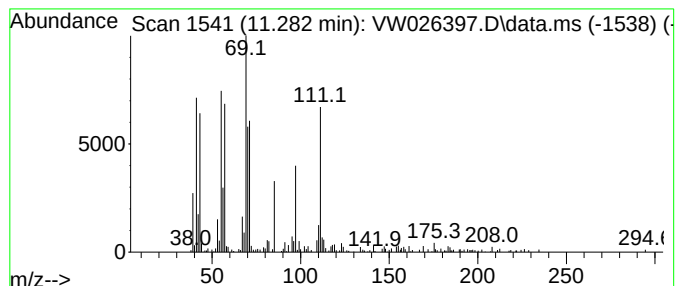
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic11.282 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.282	1.25 ug/L	97344	Chlorobenzene-d5			11.629
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47
2		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	43
3		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
4		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	38
5		2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

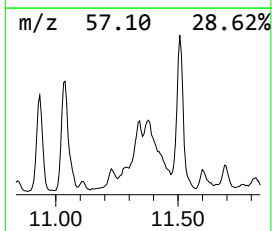
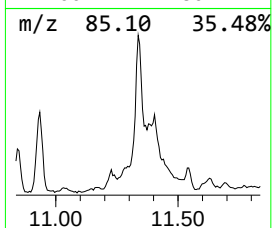
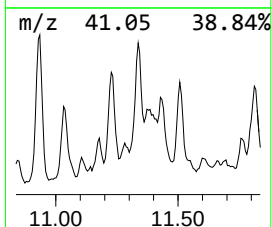
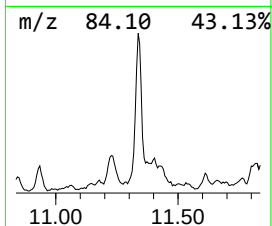
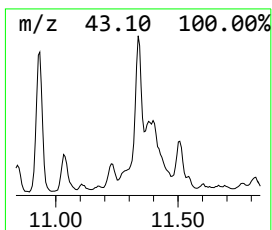
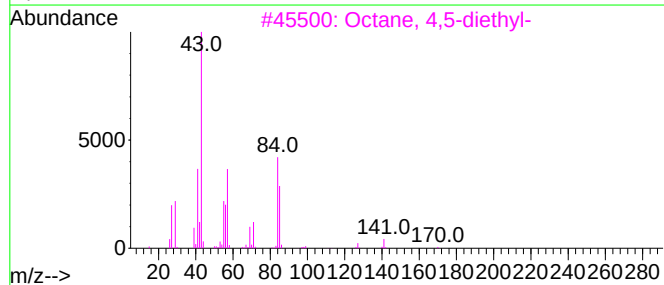
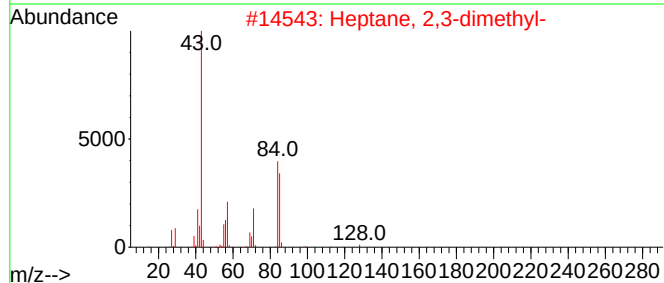
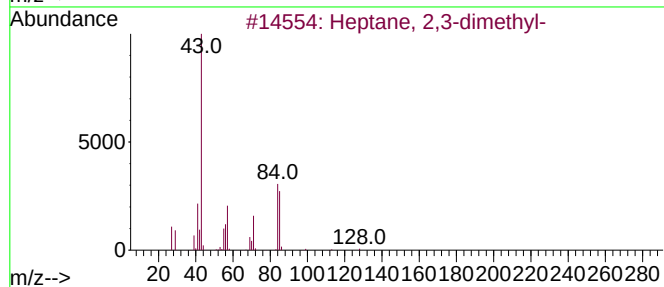
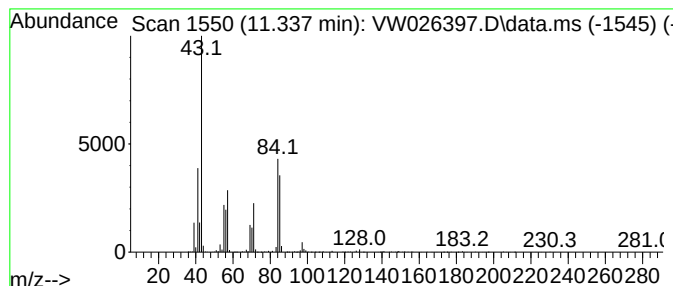
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.337	8.29 ug/L	643675	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
3			Octane, 4,5-diethyl-	170	C12H26	001636-41-5	64
4			Nonane, 4-ethyl-5-methyl-	170	C12H26	001632-71-9	59
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

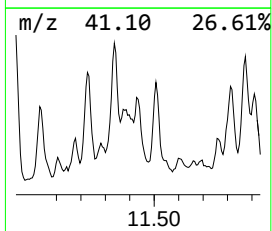
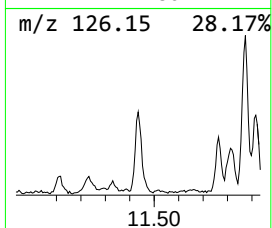
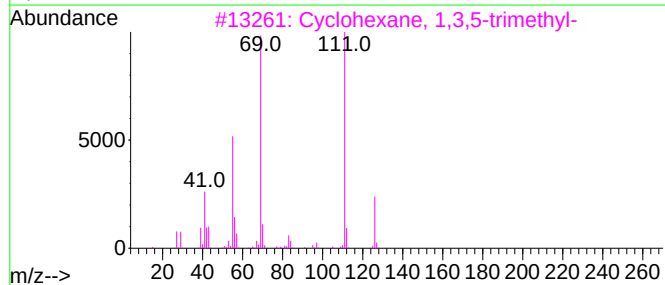
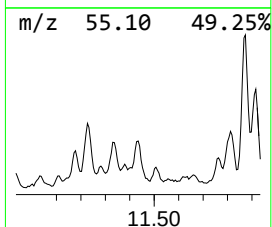
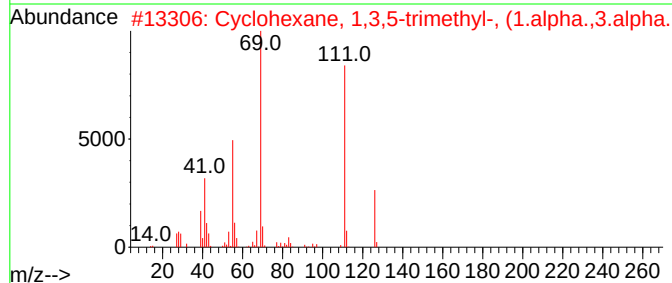
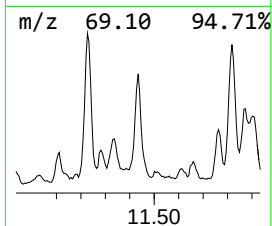
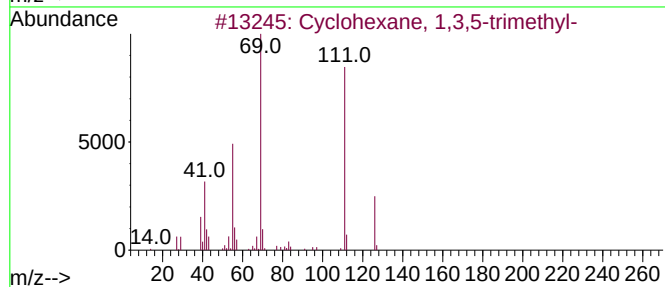
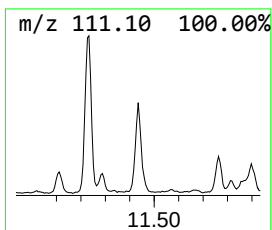
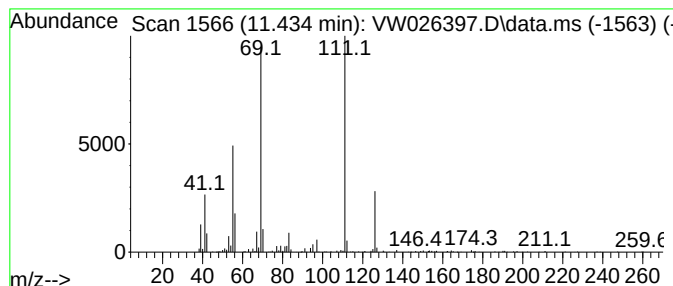
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic11.434 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	5.81 ug/L	451580	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

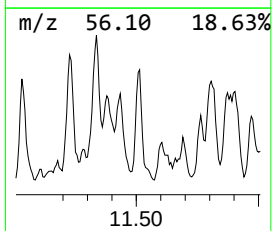
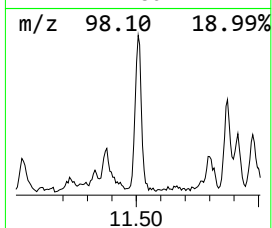
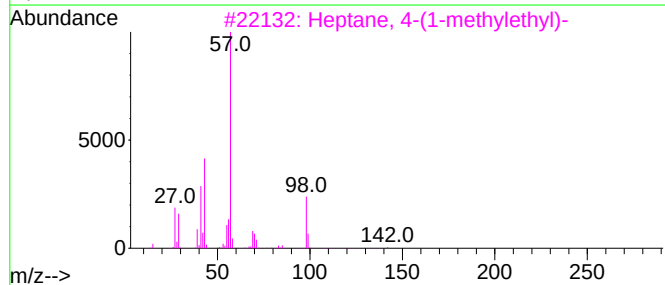
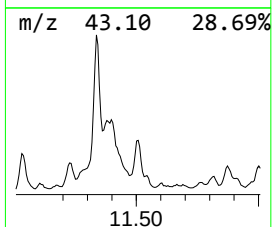
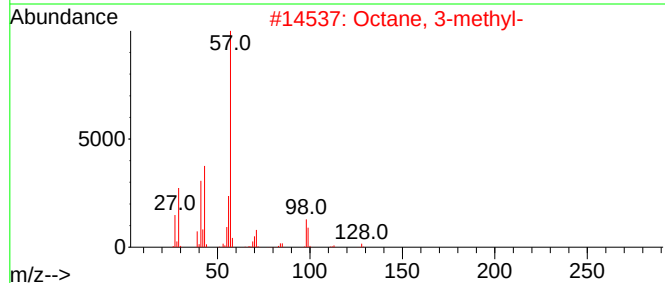
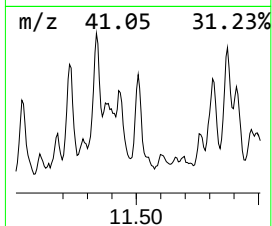
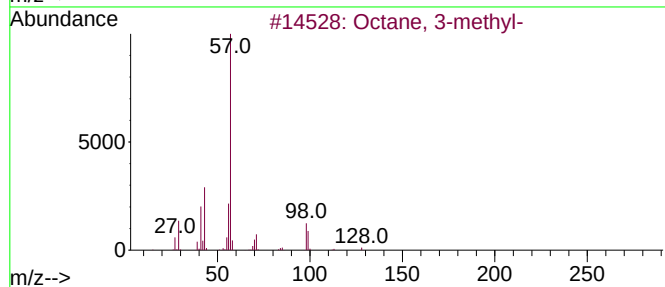
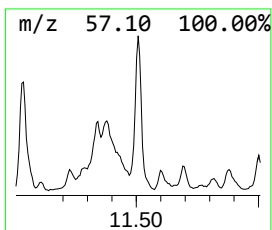
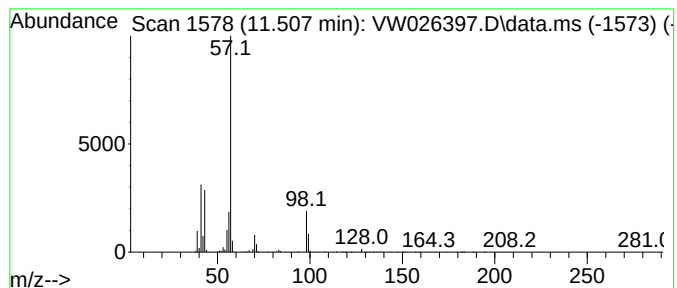
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	6.95 ug/L	540068	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-			128	C9H20	002216-33-3	86
2	Octane, 3-methyl-			128	C9H20	002216-33-3	78
3	Heptane, 4-(1-methylethyl)-			142	C10H22	052896-87-4	78
4	Heptane, 4-propyl-			142	C10H22	003178-29-8	72
5	Undecane, 6-methyl-			170	C12H26	017302-33-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

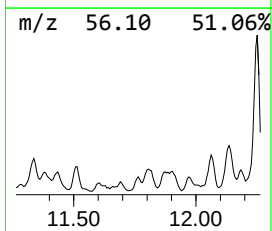
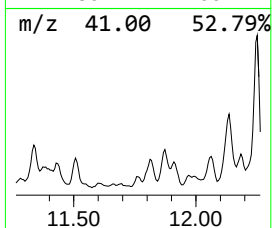
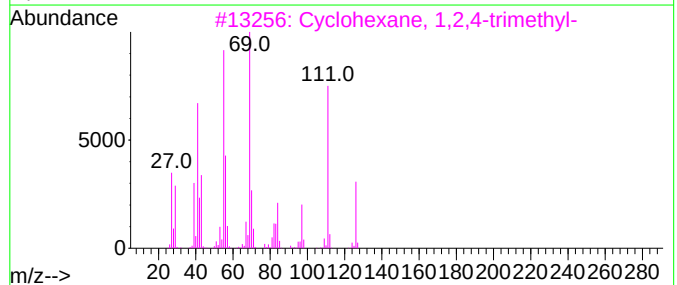
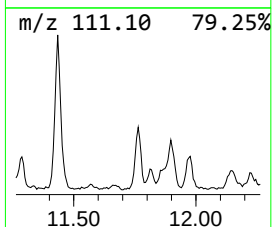
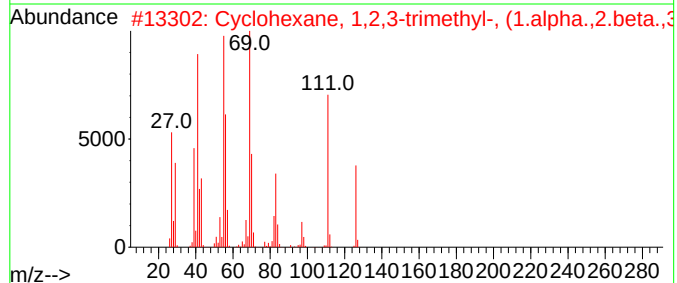
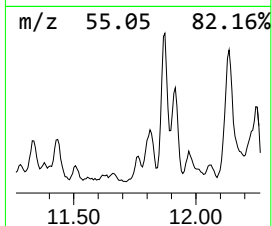
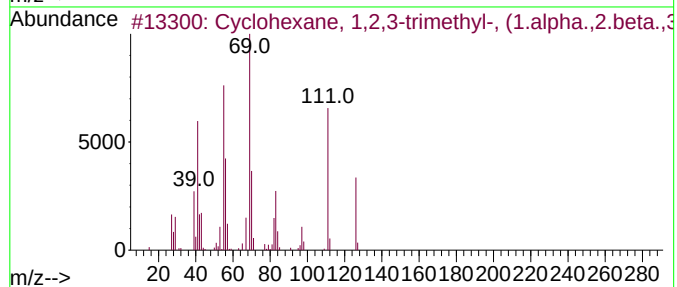
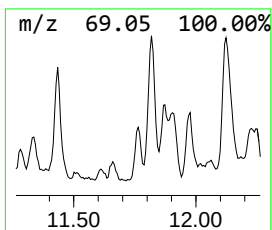
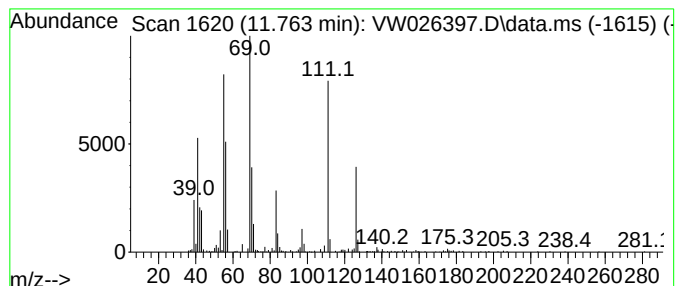
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic11.763 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	2.55 ug/L	198005	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	96
2		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	80
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

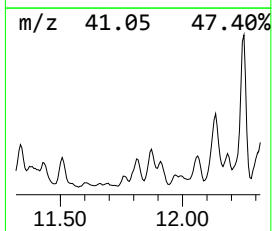
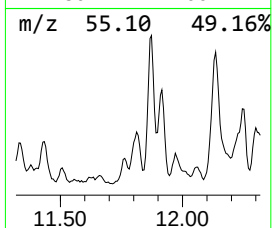
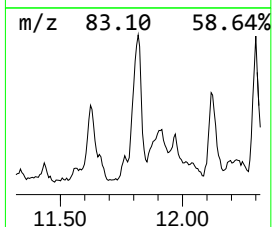
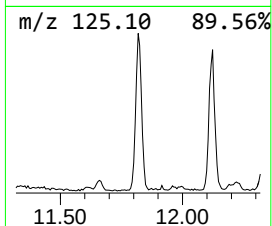
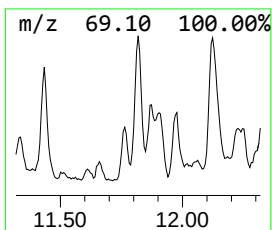
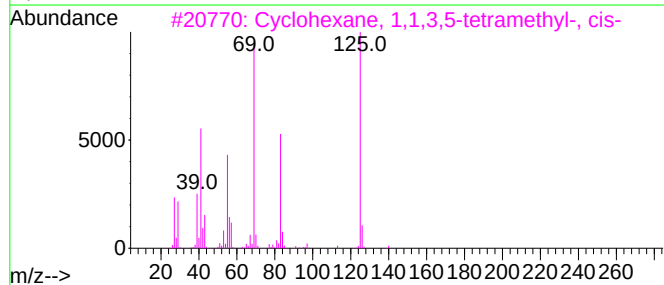
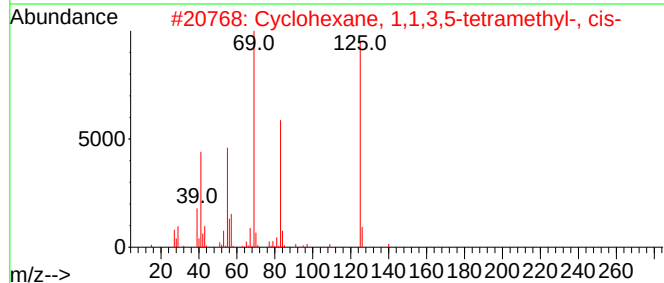
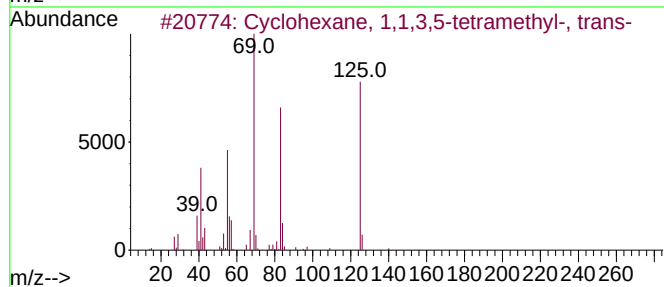
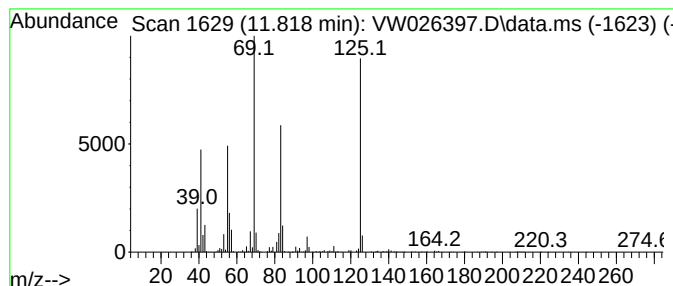
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.818 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.818	6.84 ug/L	530953	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	91
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	91
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	87
4			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-04-1	78
5			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-04-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

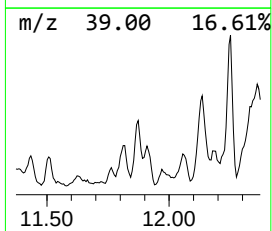
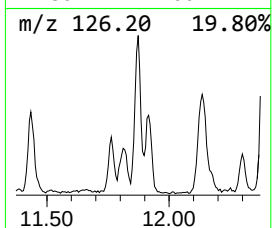
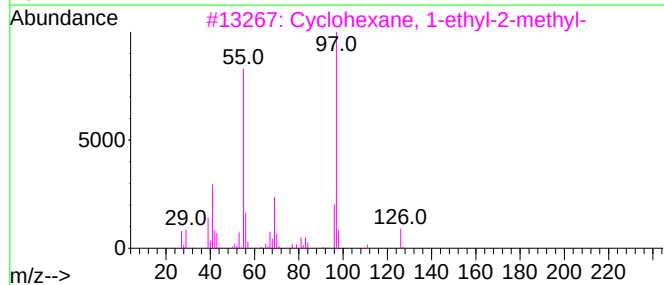
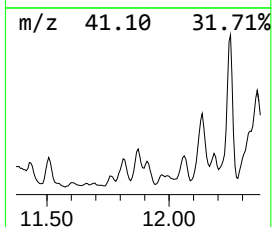
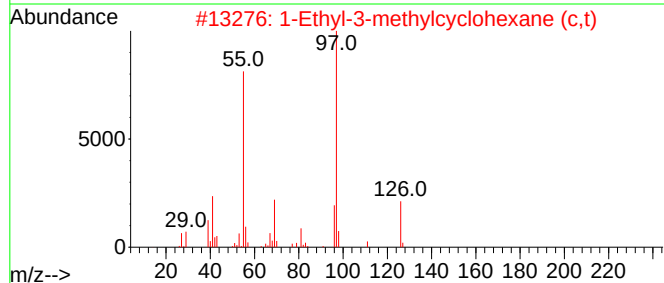
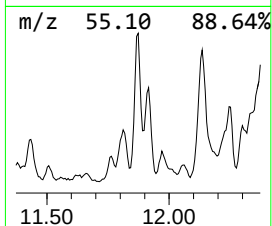
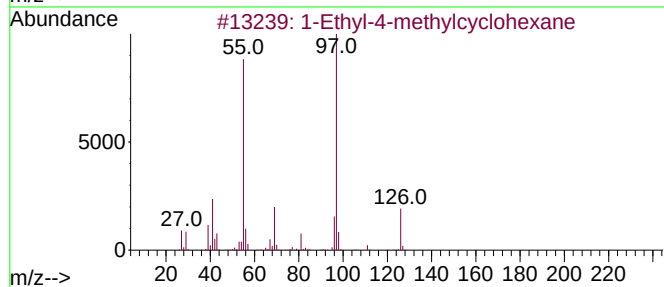
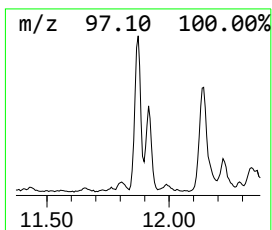
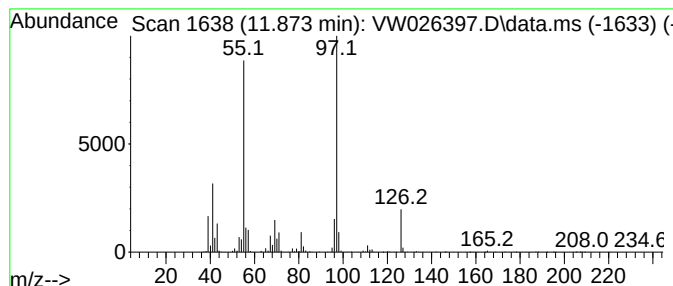
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.873 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	9.51 ug/L	738509	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	93
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	76
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

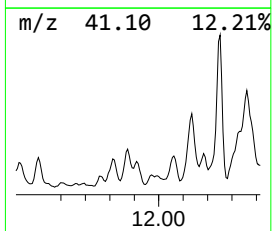
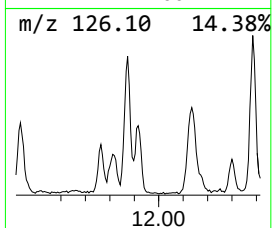
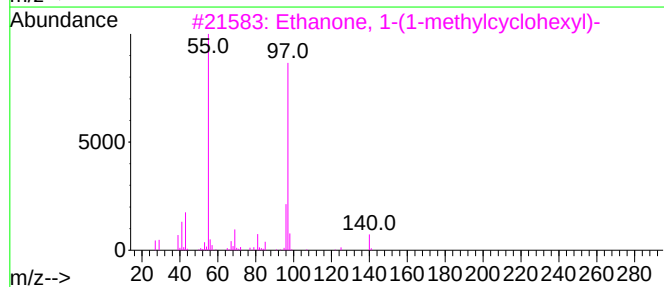
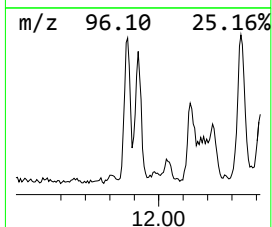
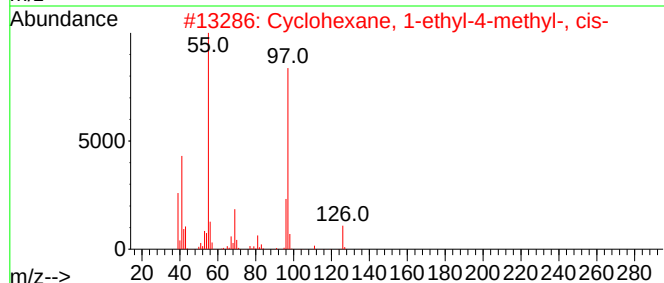
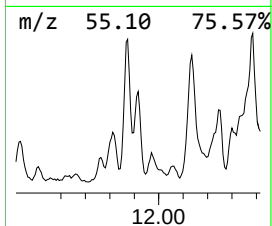
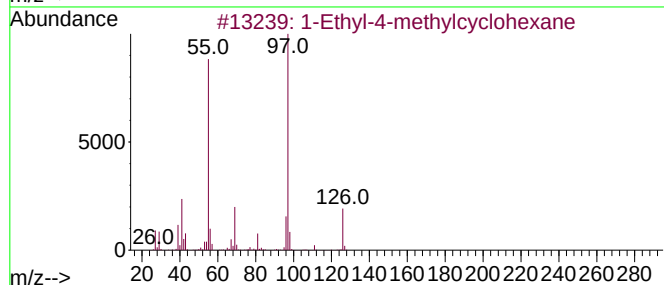
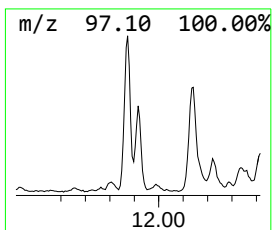
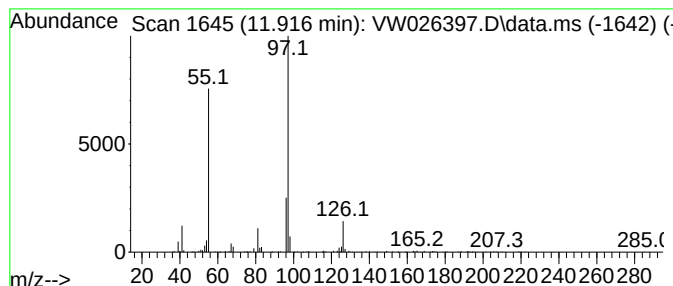
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.916 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.41 ug/L	420294	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

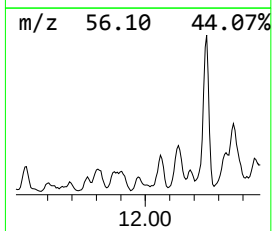
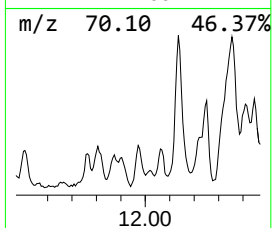
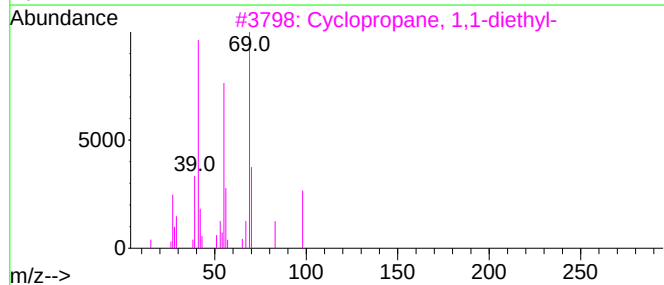
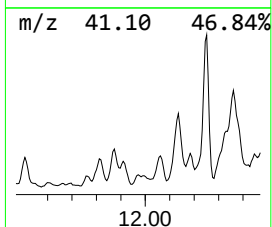
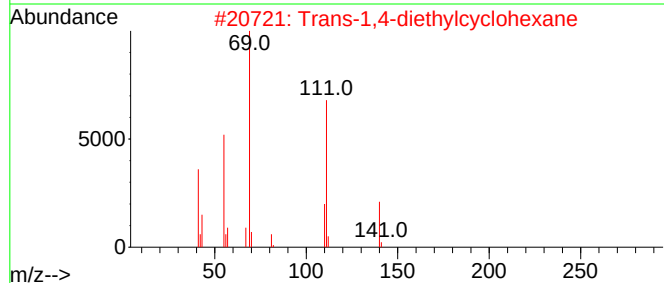
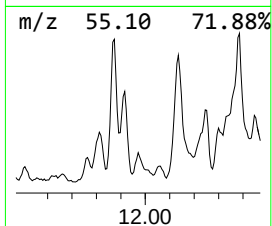
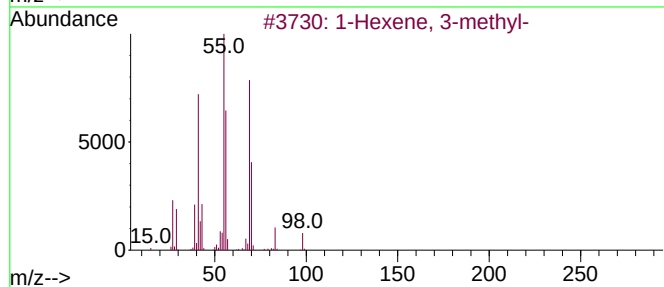
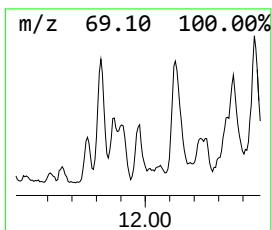
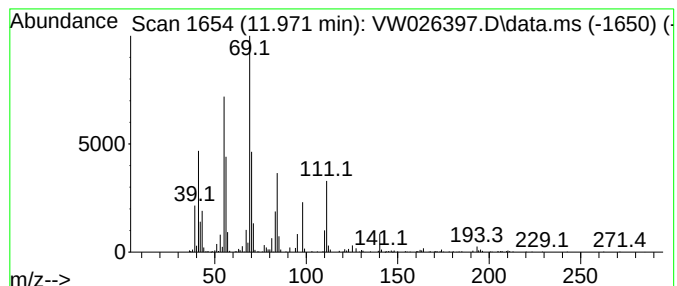
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.971	3.26 ug/L	253045	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	62
2		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50
3		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	50
4		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

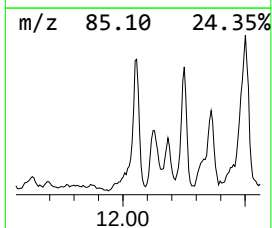
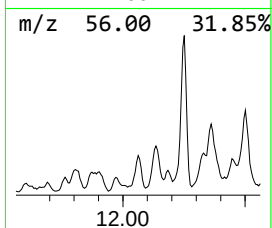
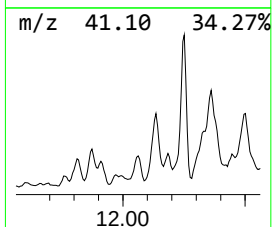
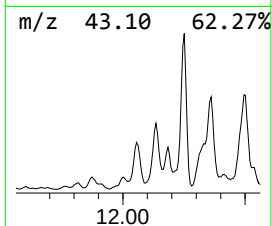
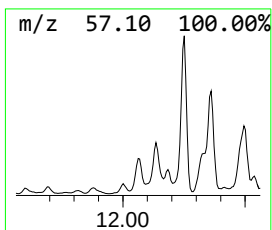
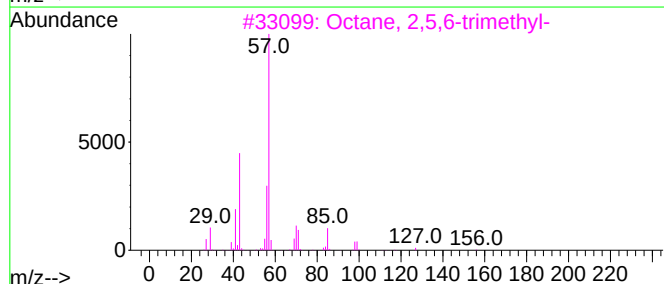
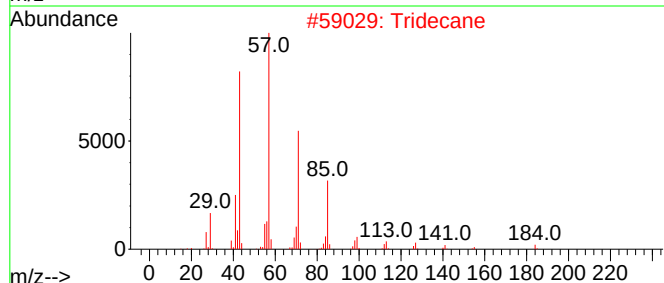
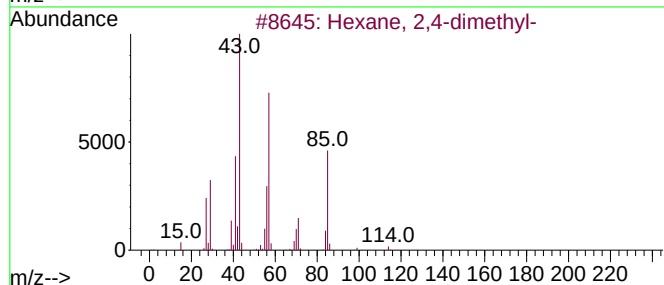
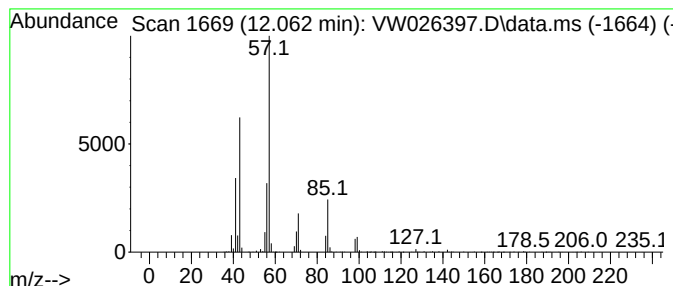
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.062	5.86 ug/L	455564	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	72
2	Tridecane		184	C13H28	000629-50-5	59
3	Octane, 2,5,6-trimethyl-		156	C11H24	062016-14-2	59
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	53
5	Octane, 3-methyl-		128	C9H20	002216-33-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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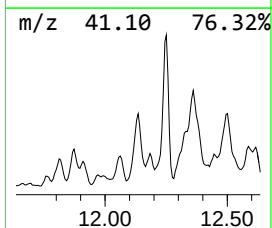
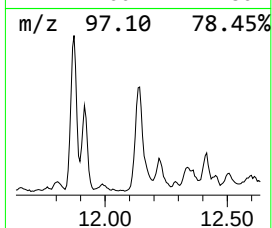
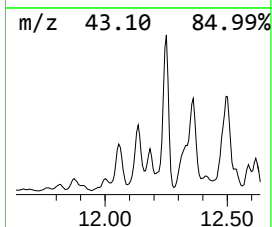
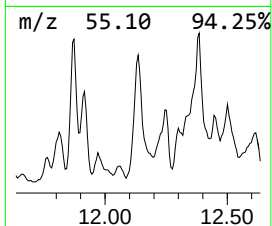
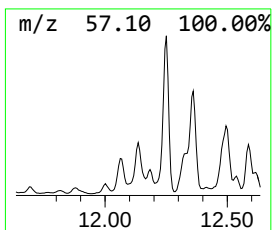
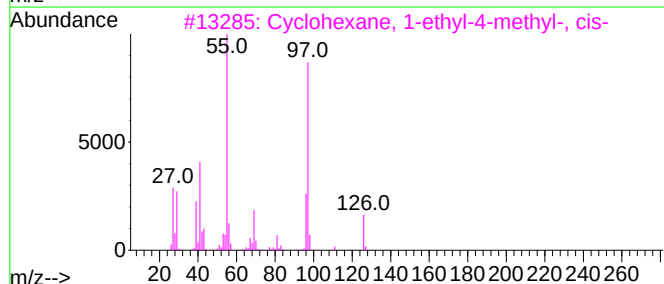
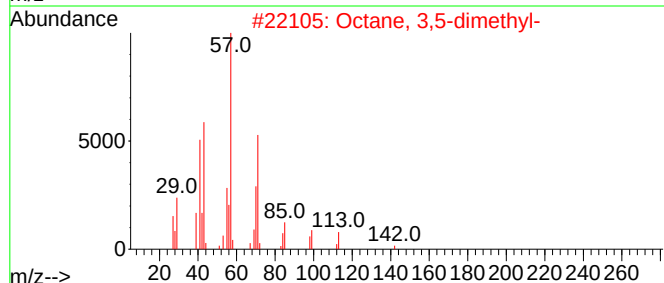
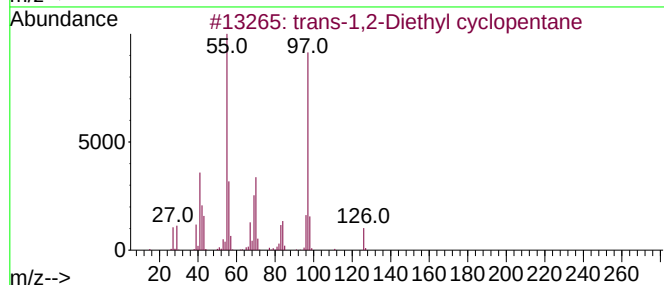
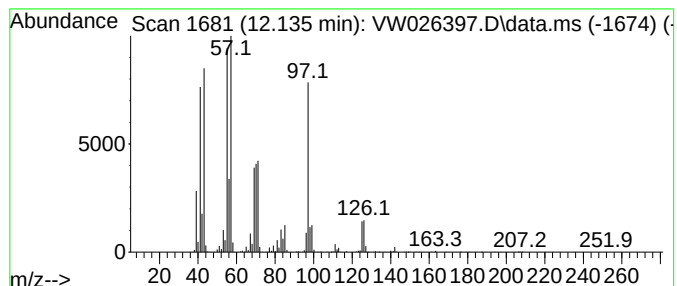
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic12.135 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.135	20.61 ug/L	1601090	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	46
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	38
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

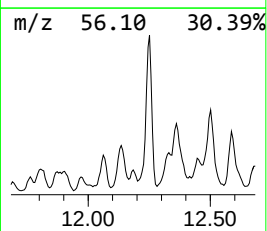
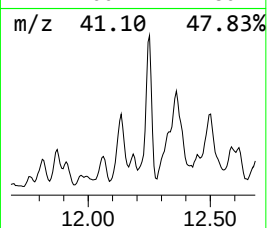
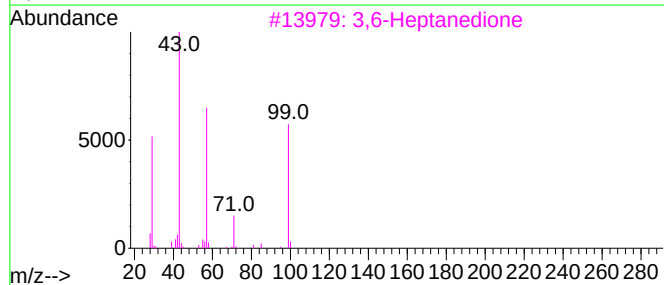
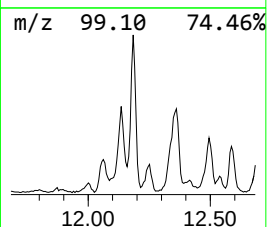
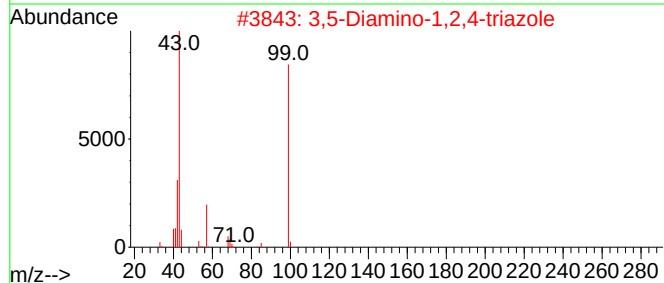
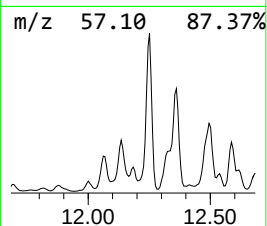
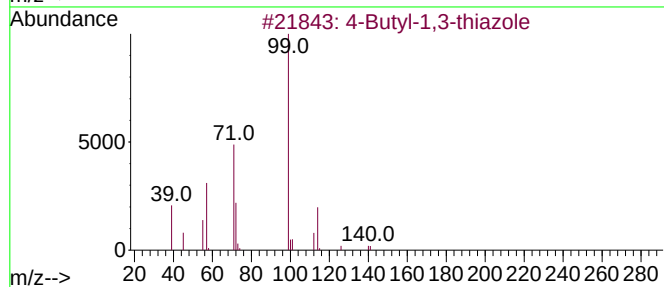
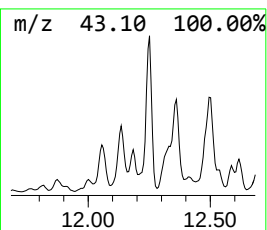
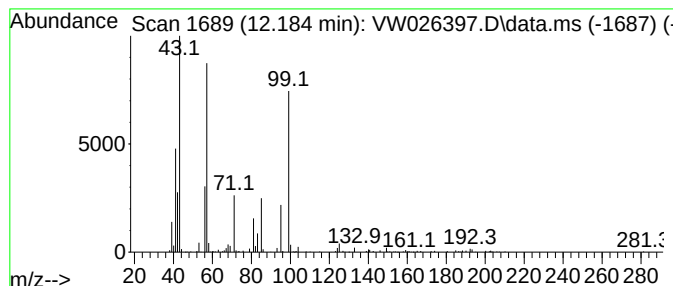
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.184	2.74 ug/L	212890	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Butyl-1,3-thiazole	141	C7H11NS	053833-33-3	43	
2	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	43	
3	3,6-Heptanedione	128	C7H12O2	001703-51-1	40	
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	38	
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	37	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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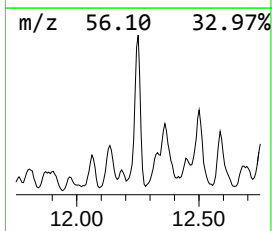
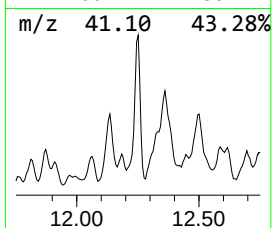
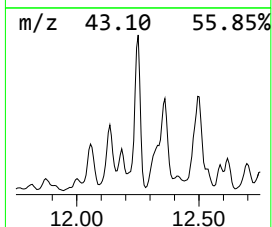
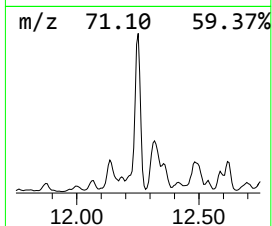
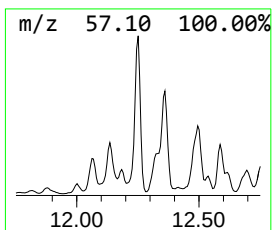
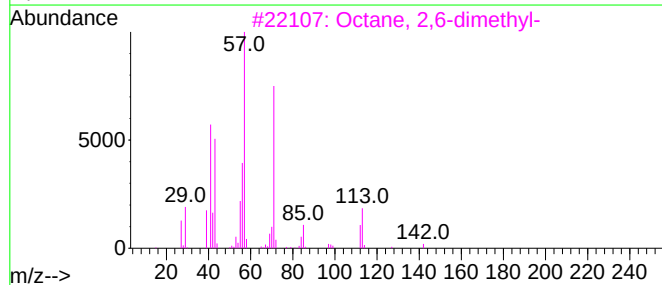
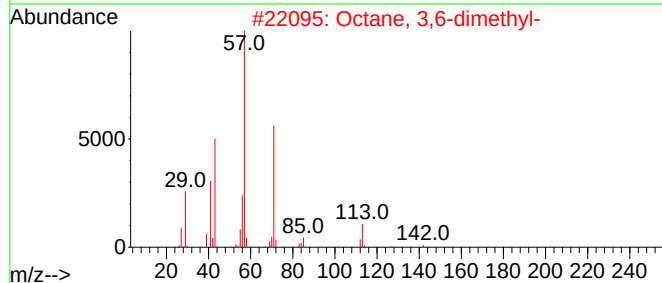
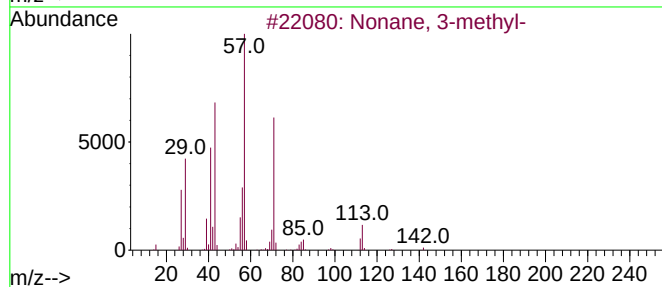
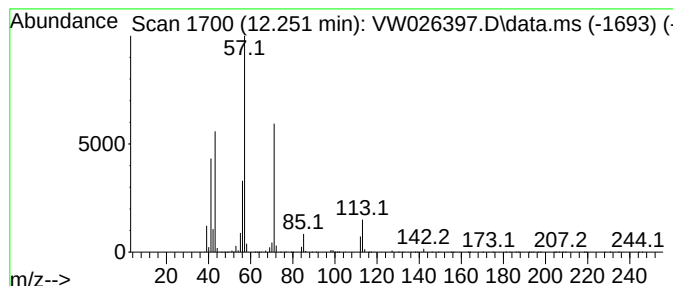
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	28.81 ug/L	2237820	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-			142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	87
3	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	87
4	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	86
5	Nonane, 3-methyl-			142	C10H22	005911-04-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

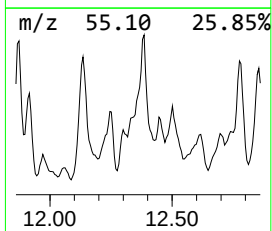
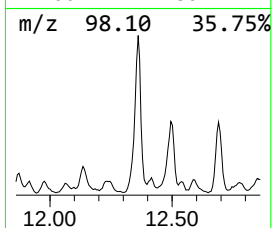
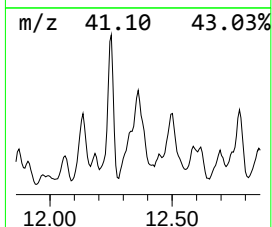
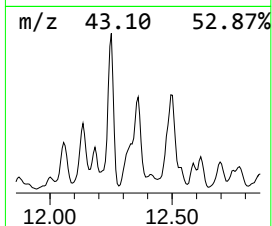
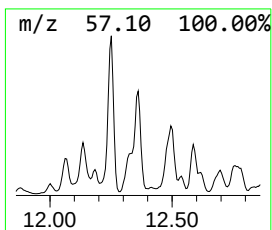
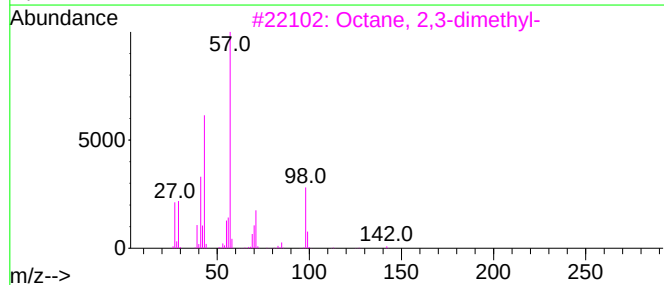
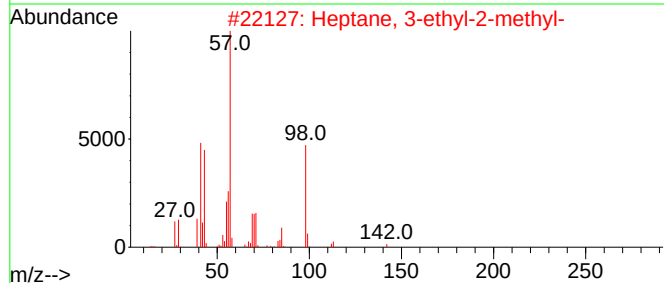
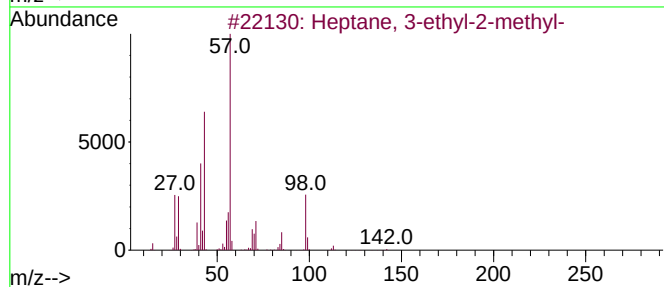
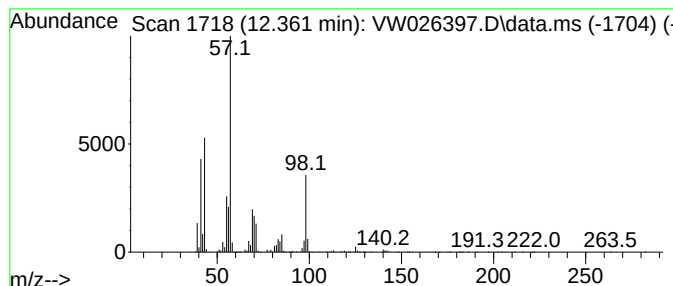
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.361	46.60 ug/L	3619600	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	80
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
4	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	53
5	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

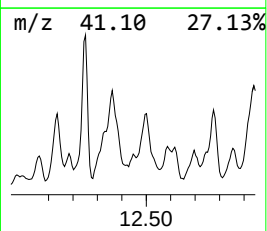
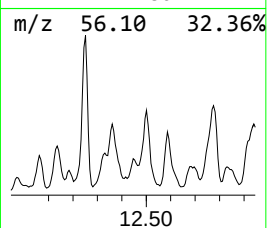
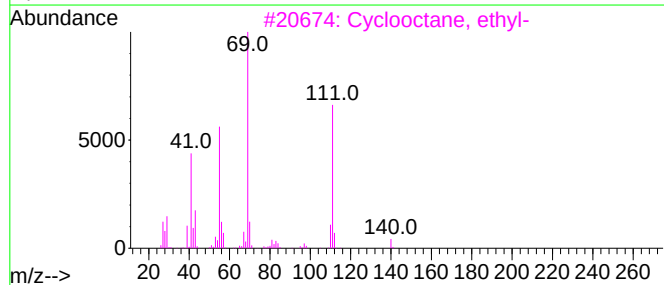
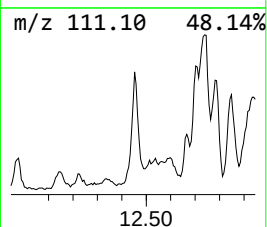
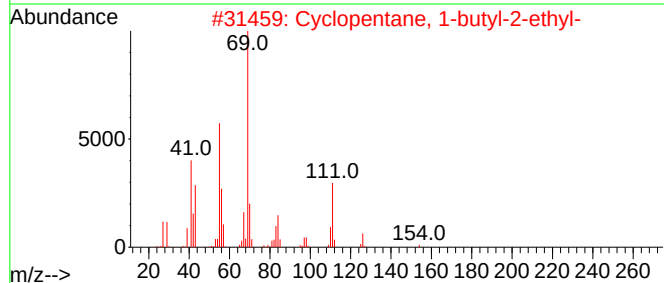
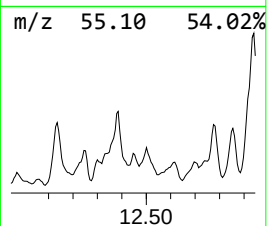
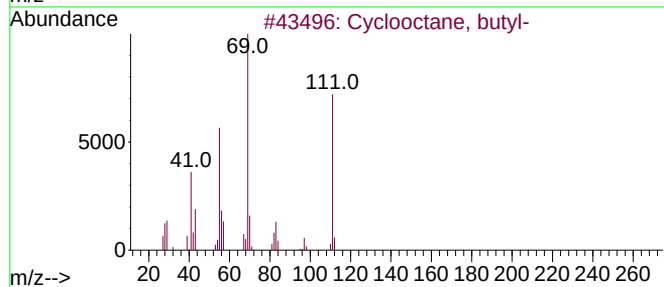
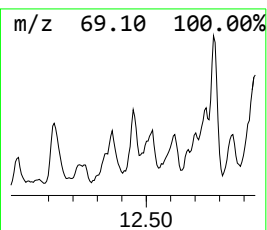
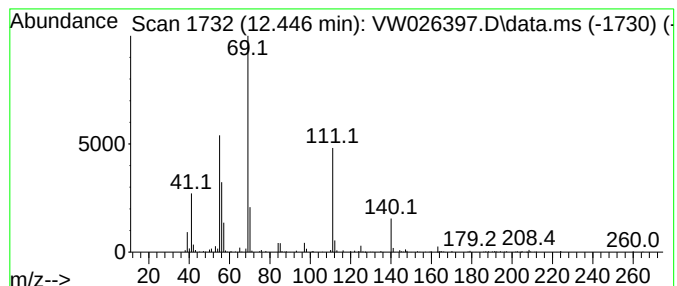
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic12.446 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.446	1.60 ug/L	124122	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-		168	C12H24	016538-93-5	72
2	Cyclopentane, 1-butyl-2-ethyl-		154	C11H22	072993-32-9	64
3	Cyclooctane, ethyl-		140	C10H20	013152-02-8	64
4	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	56
5	2-Methyl-2-heptene		112	C8H16	000627-97-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

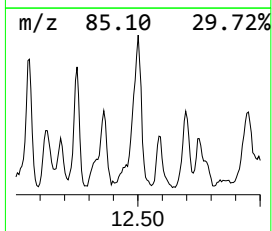
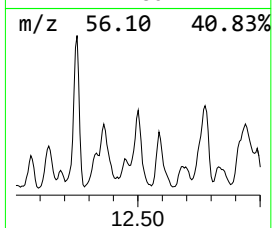
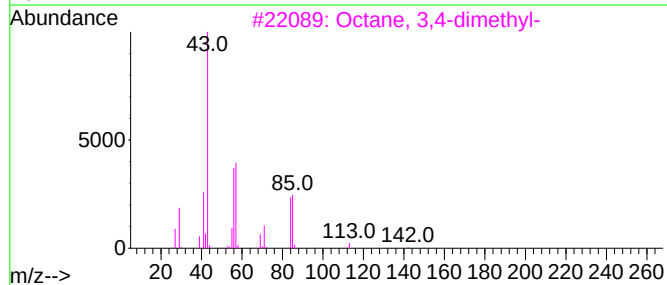
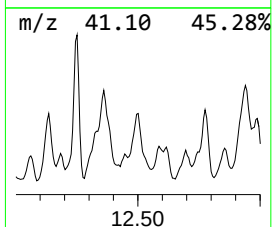
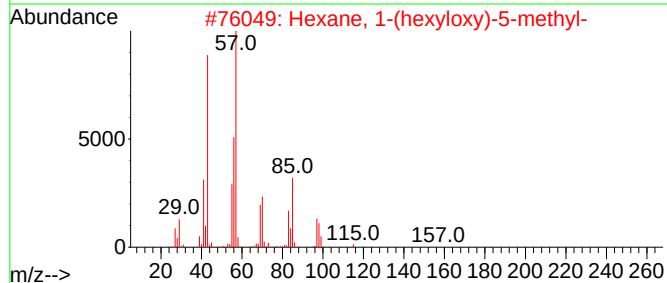
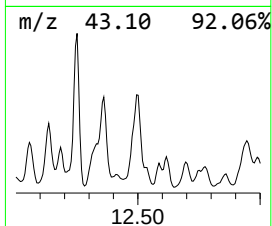
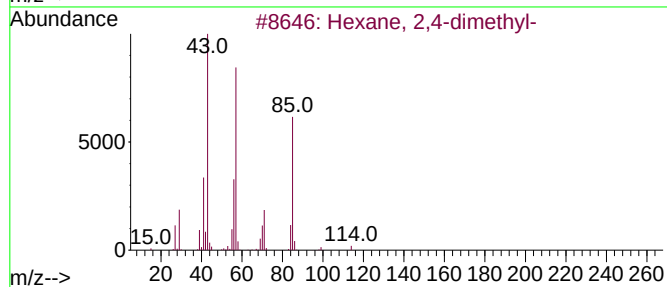
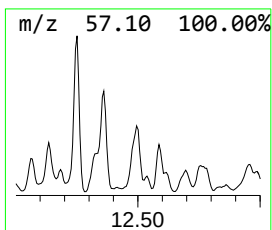
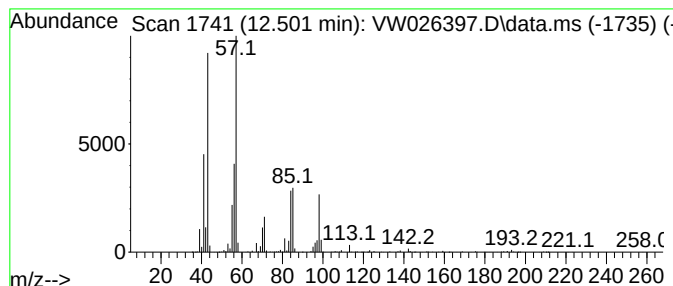
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.501	17.08 ug/L	1326430	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	52
2	Hexane, 1-(hexyloxy)-5-methyl-		200	C13H28O	074421-19-5	47
3	Octane, 3,4-dimethyl-		142	C10H22	015869-92-8	47
4	Heptane, 4-ethyl-		128	C9H20	002216-32-2	47
5	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

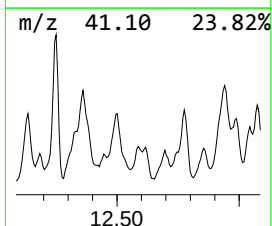
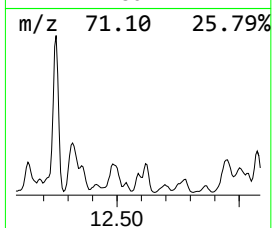
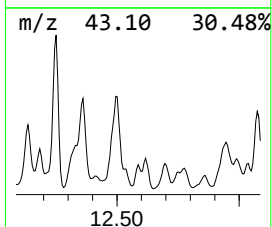
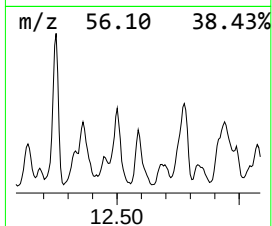
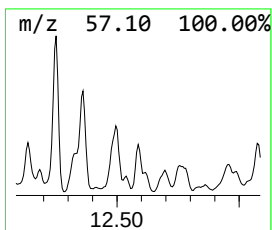
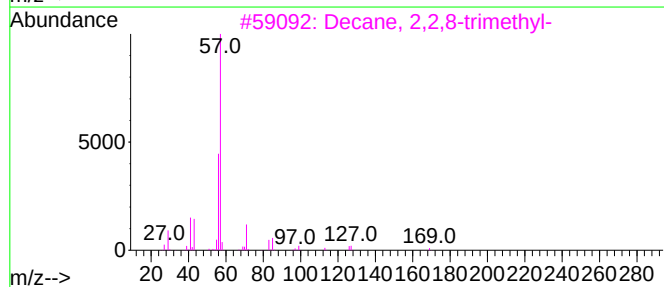
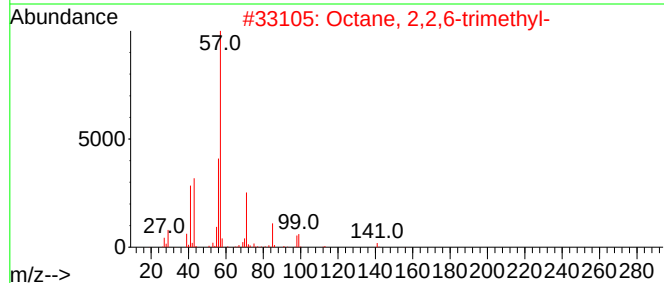
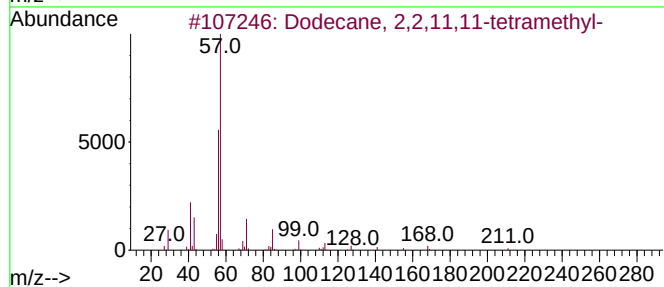
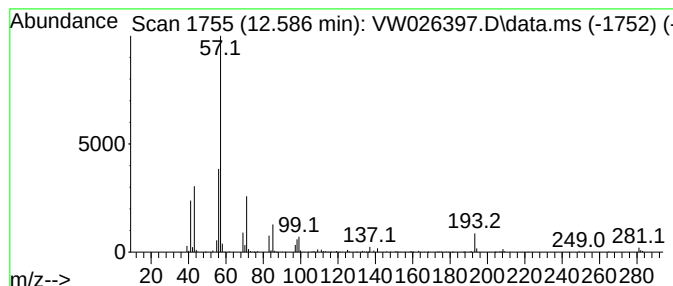
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.586	5.43 ug/L	421666	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
2		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	56
3		Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	56
4		Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	53
5		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

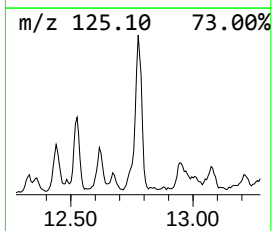
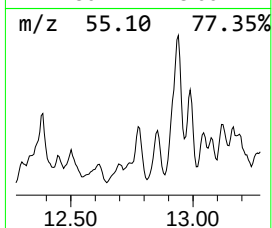
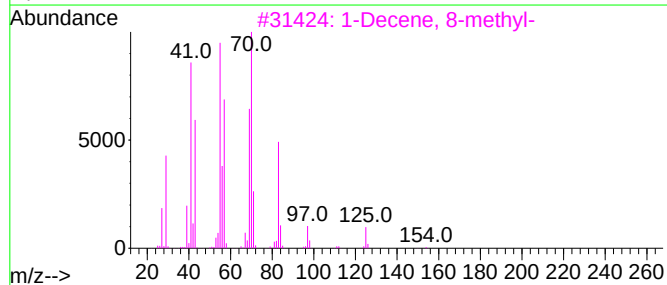
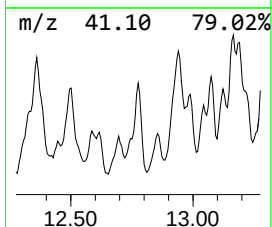
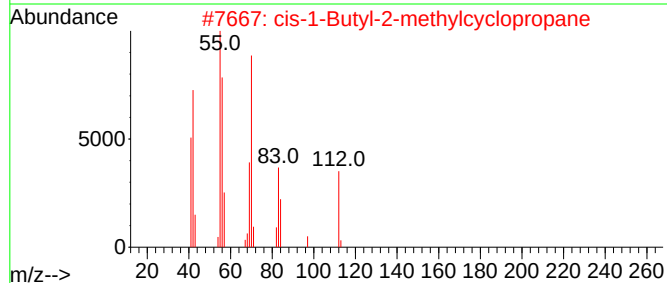
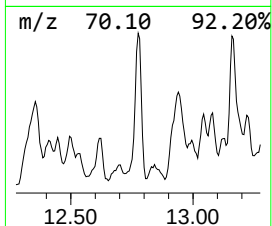
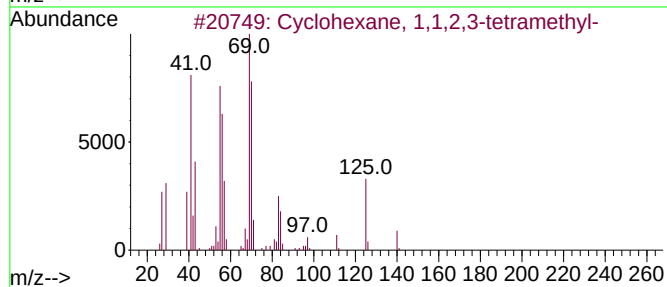
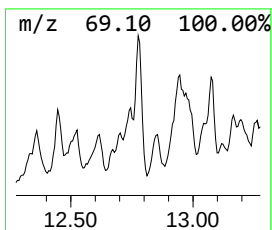
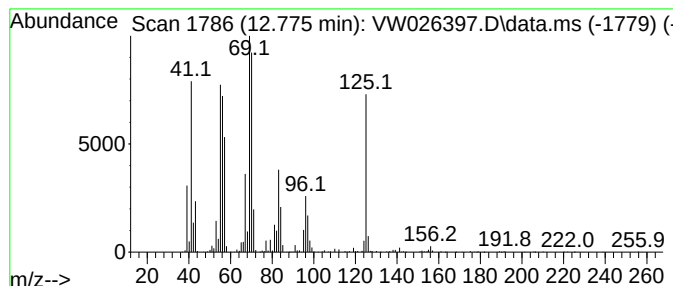
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic12.775 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	46.04 ug/L	1816520	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
3			1-Decene, 8-methyl-	154	C11H22	061142-79-8	45
4			3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	41
5			Cyclopropane, octyl-	154	C11H22	001472-09-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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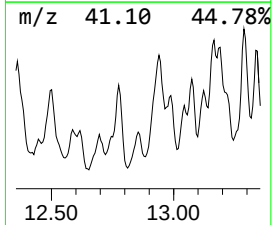
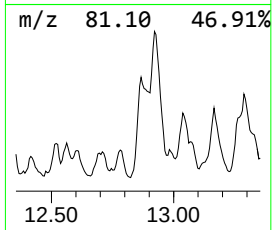
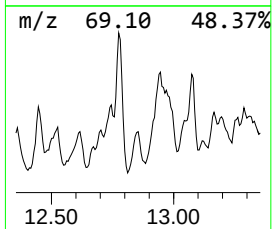
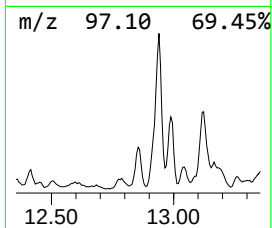
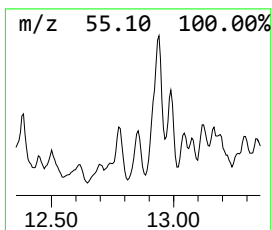
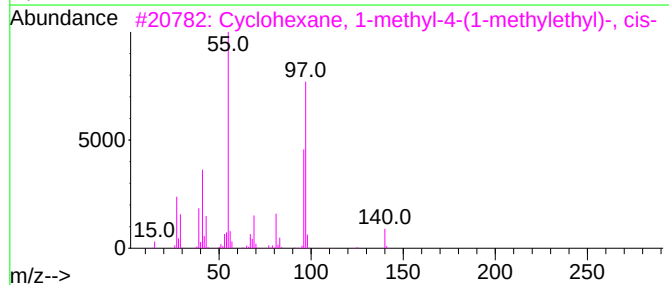
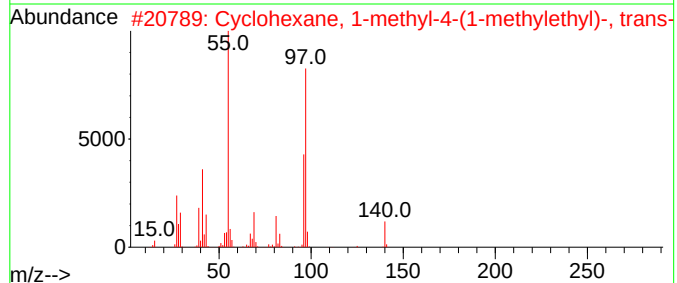
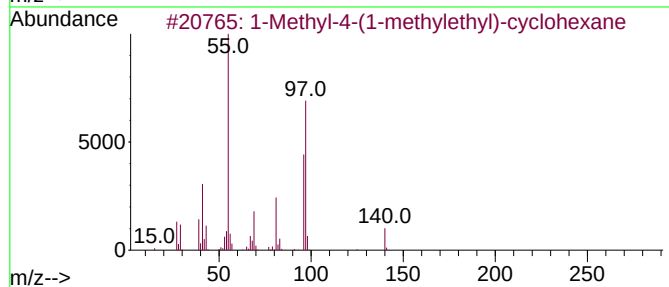
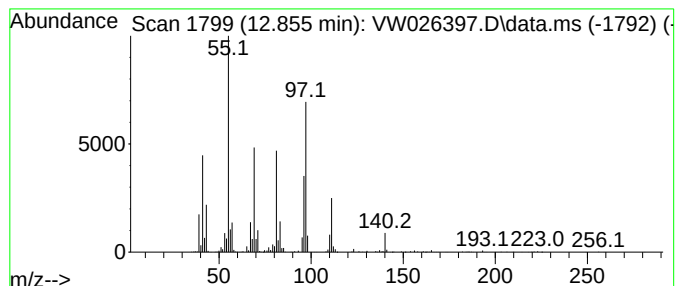
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic12.855 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	24.94 ug/L	983832	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	76
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	68
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	68
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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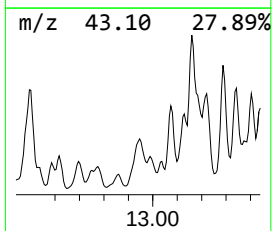
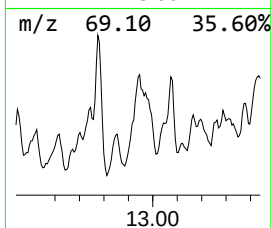
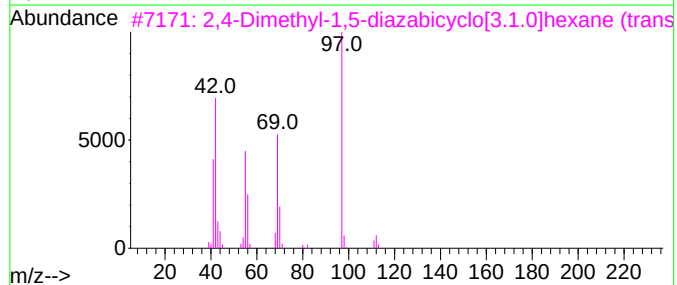
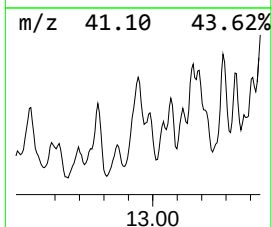
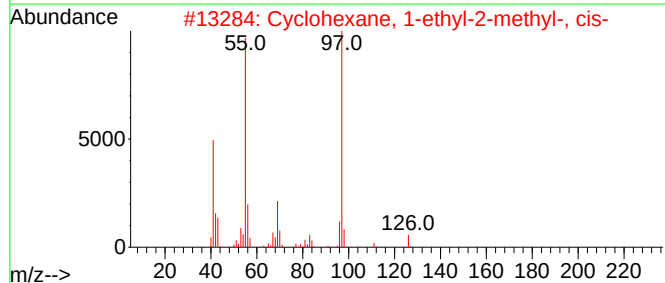
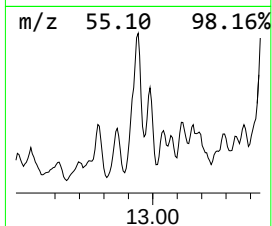
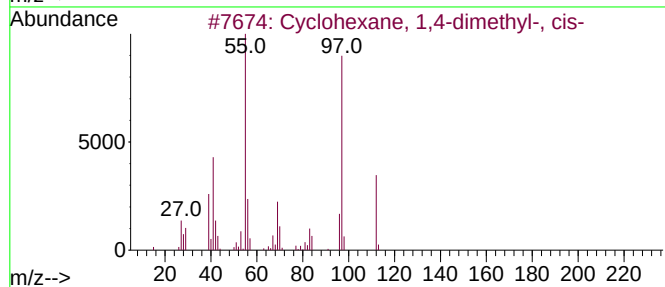
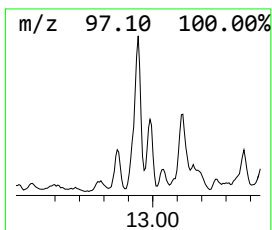
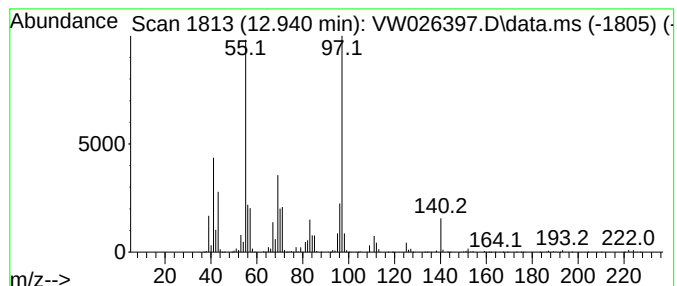
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic12.940 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	75.57 ug/L	2981610	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	58
3			2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (trans)	112	C6H12N2	1000283-20-9	49
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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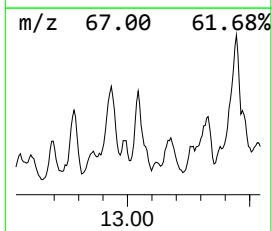
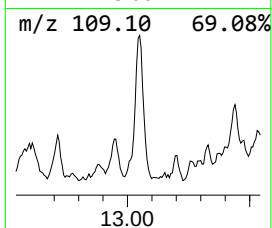
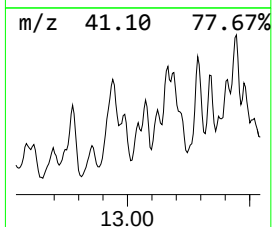
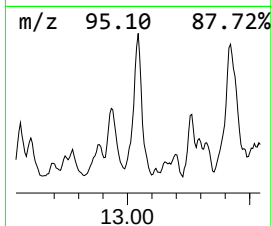
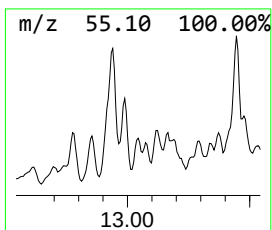
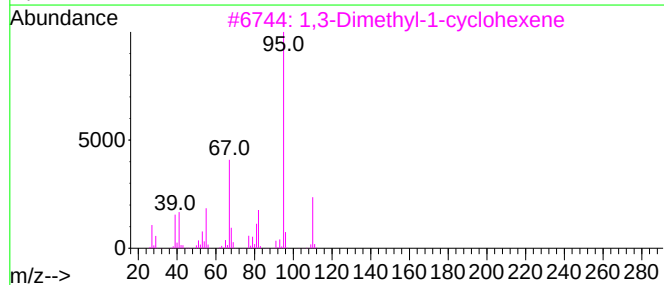
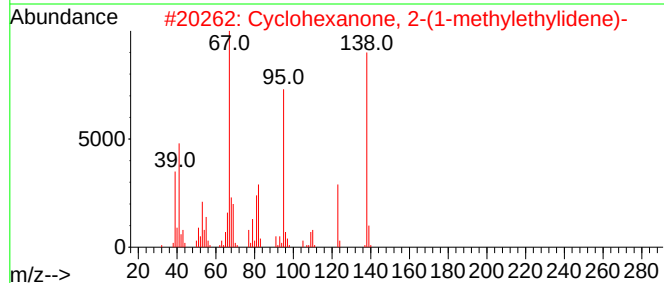
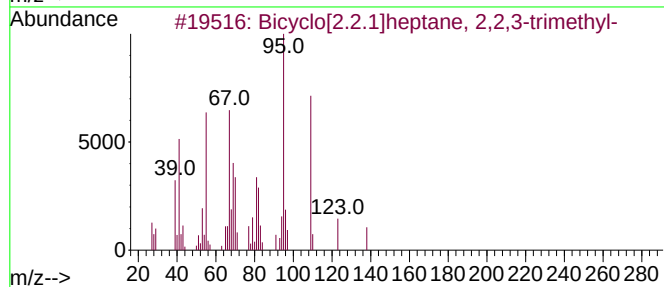
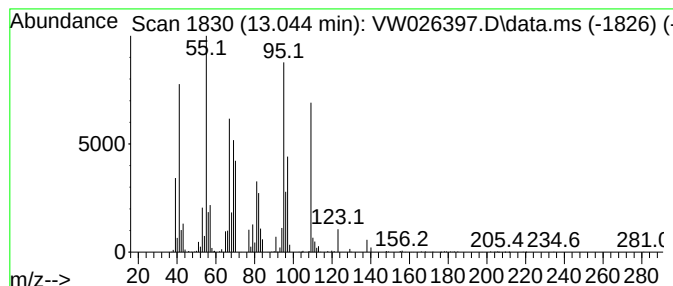
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Quant Title : SFAM01.0

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

Peak Number 30 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	16.07 ug/L	634105	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	64
2			Cyclohexanone, 2-(1-methylethylidene)	138	C9H14O	013747-73-4	43
3			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	38
5			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

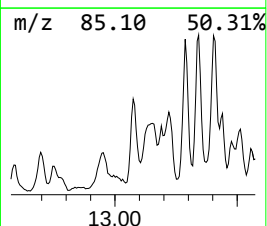
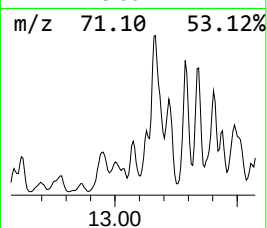
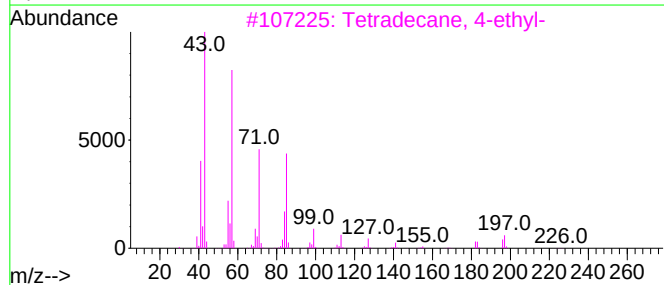
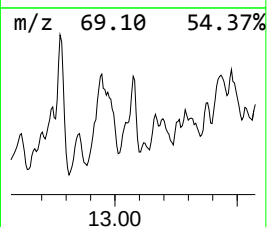
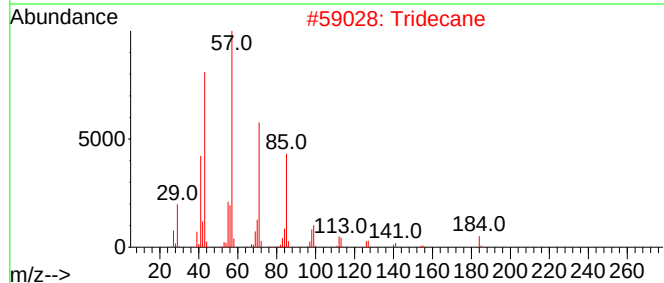
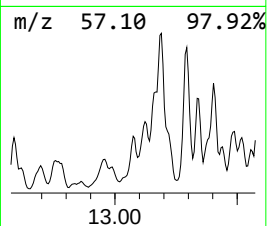
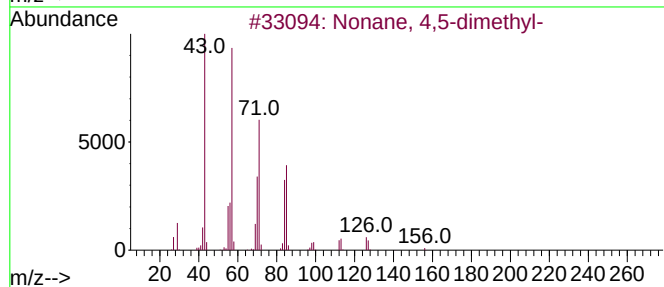
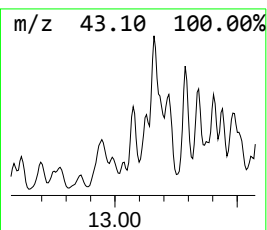
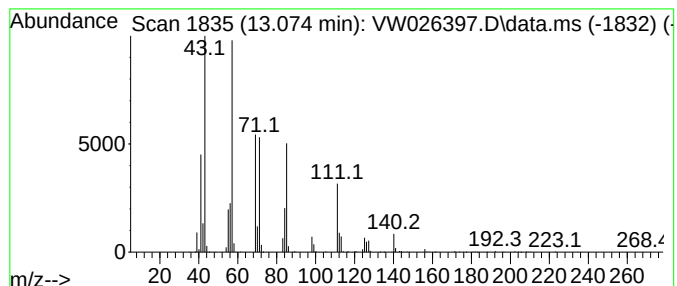
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	18.71 ug/L	738088	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	70
2		Tridecane	184	C13H28	000629-50-5	64
3		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	59
4		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

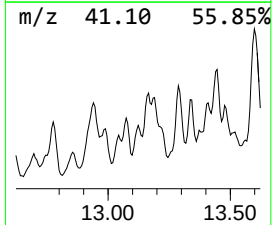
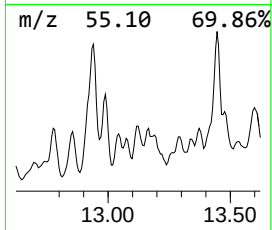
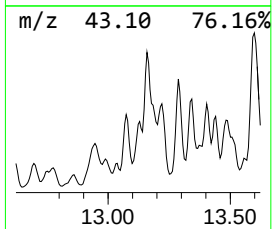
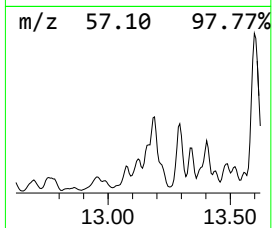
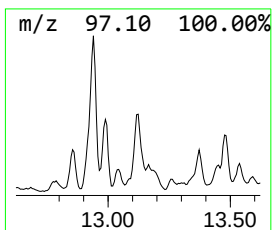
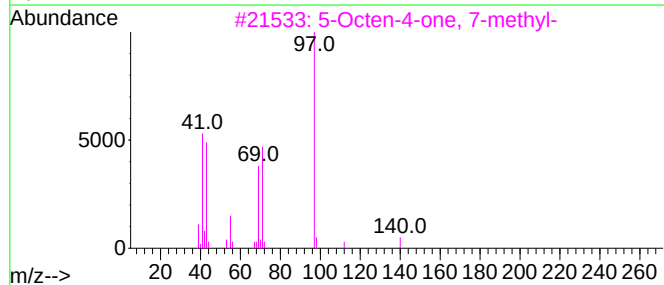
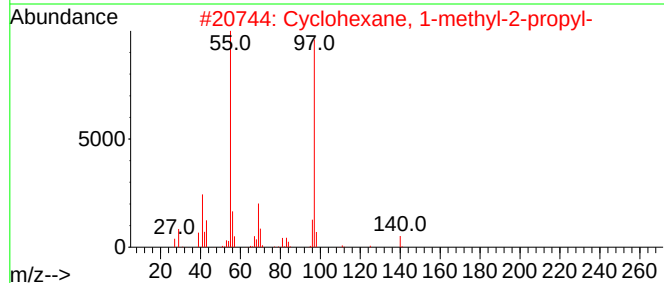
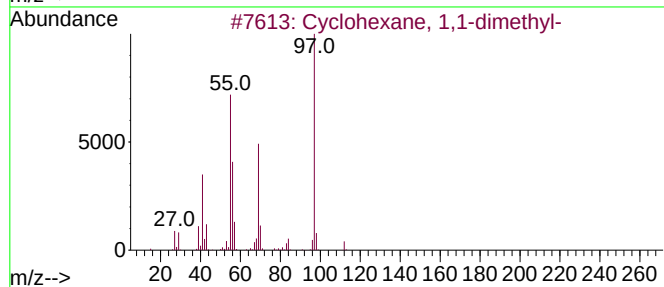
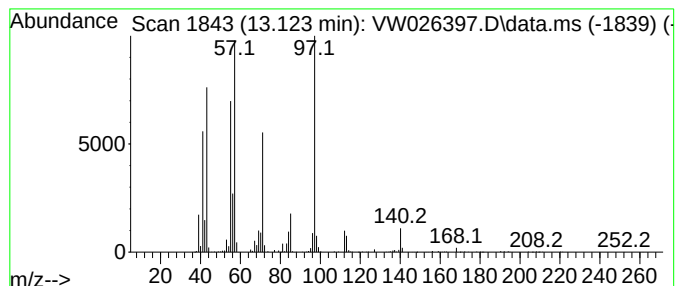
Instrument :
MSVOA_W
ClientSampleId :
A46E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic13.123 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.123	19.59 ug/L	772859	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-		112	C8H16	000590-66-9	46
2	Cyclohexane, 1-methyl-2-propyl-		140	C10H20	004291-79-6	45
3	5-Octen-4-one, 7-methyl-		140	C9H16O	032064-78-1	43
4	Decane, 2-methyl-		156	C11H24	006975-98-0	42
5	Octyl thioglycolate		204	C10H20O2S	007664-80-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

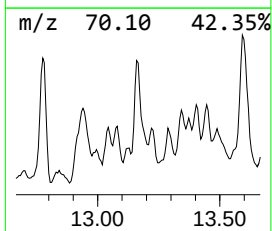
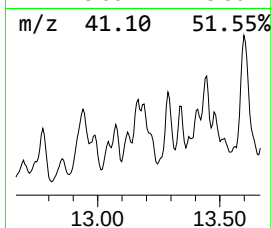
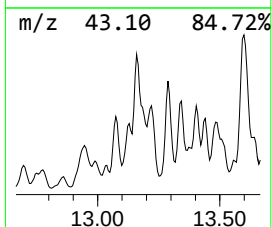
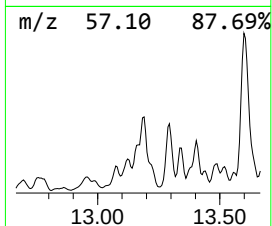
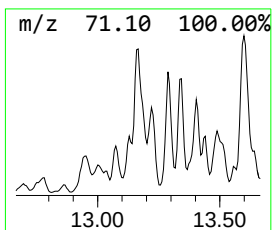
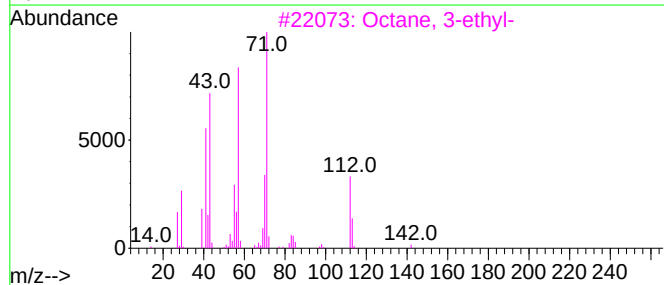
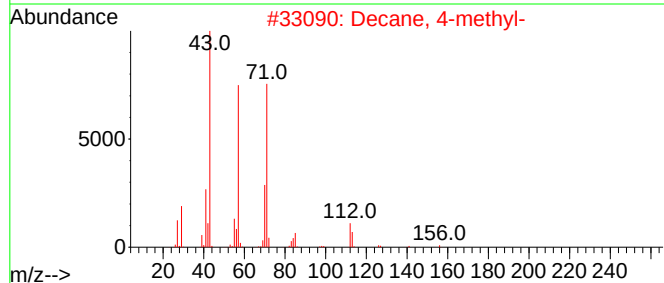
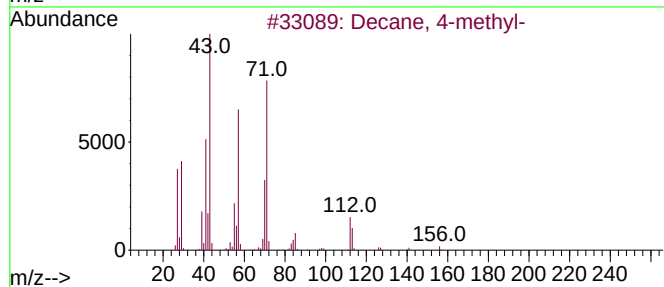
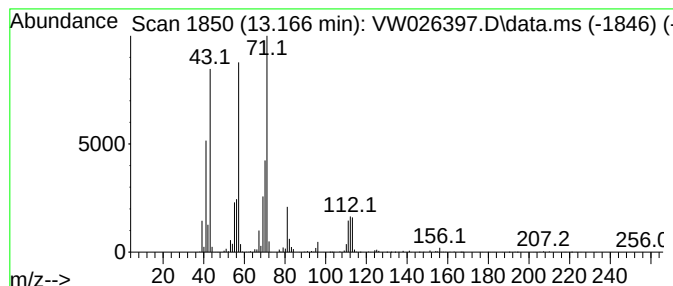
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.166	26.85 ug/L	1059120	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	80
2	Decane, 4-methyl-		156	C11H24	002847-72-5	80
3	Octane, 3-ethyl-		142	C10H22	005881-17-4	64
4	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	59
5	Oxalic acid, 2-ethylhexyl nonyl ...		328	C19H36O4	1000309-39-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

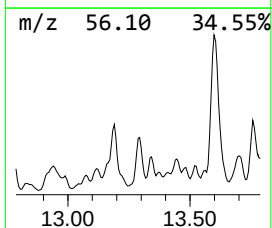
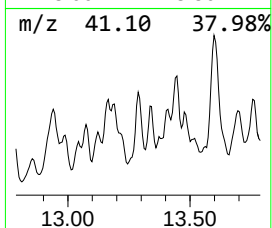
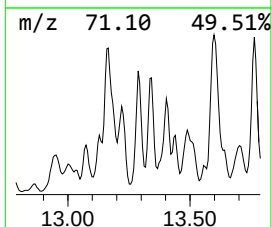
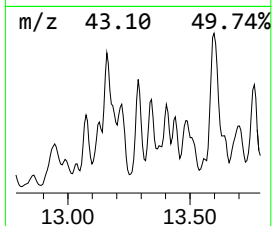
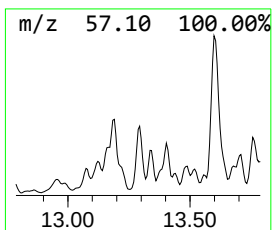
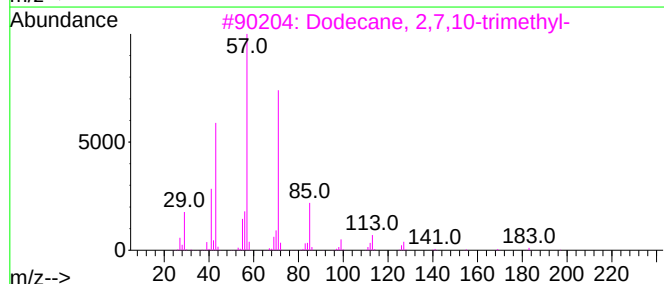
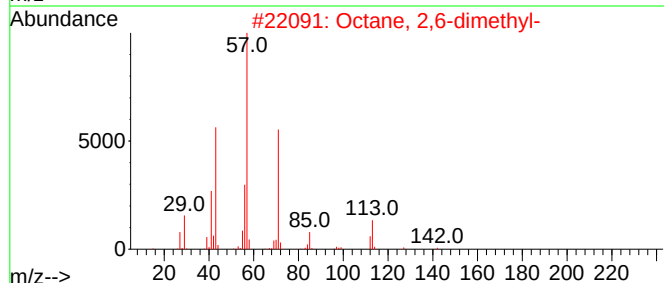
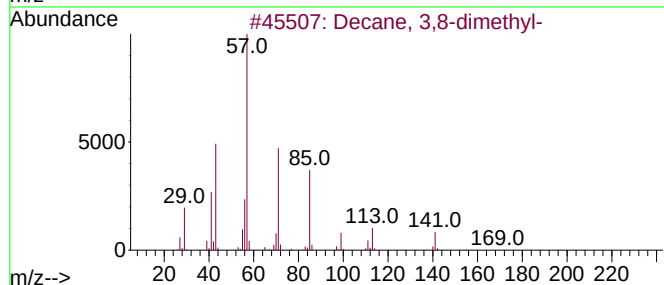
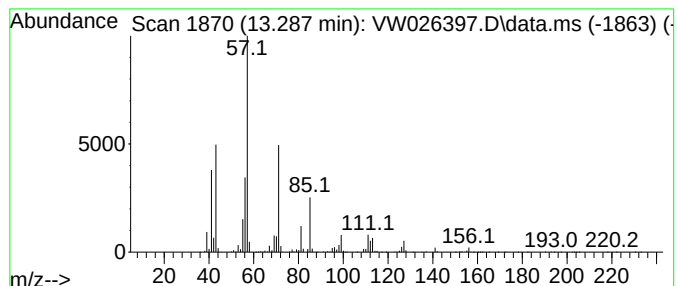
Instrument :
MSVOA_W
ClientSampleId :
A46E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.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 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.288	52.56 ug/L	2073500	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	72
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	68
3	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	59
4	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	59
5	Undecane, 5-ethyl-		184	C13H28	017453-94-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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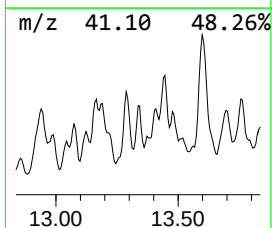
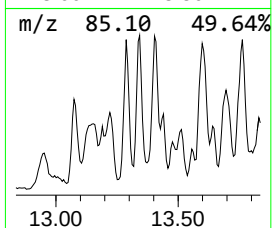
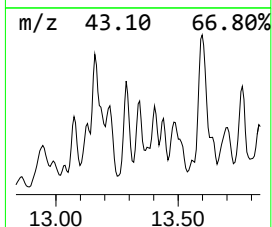
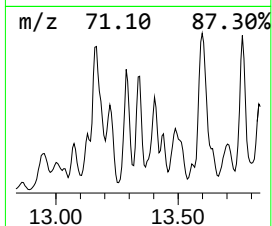
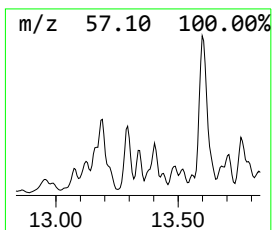
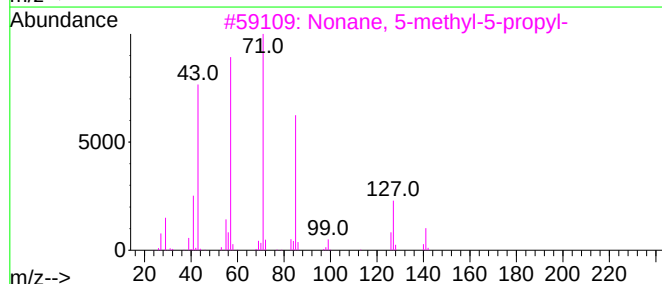
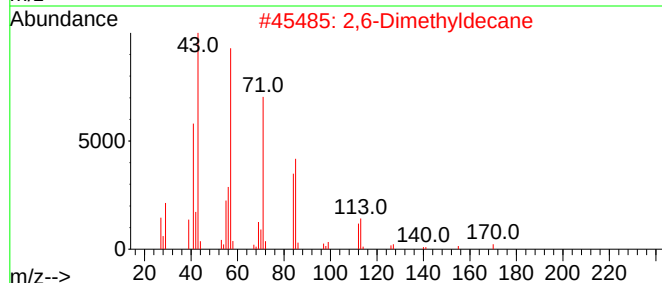
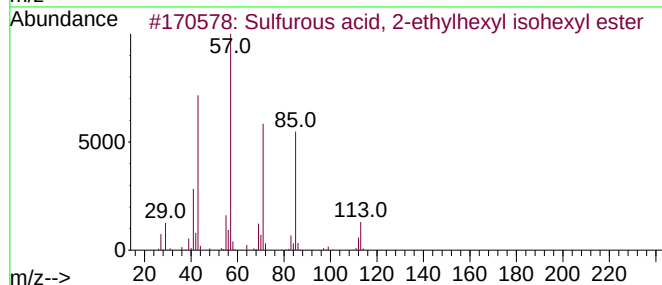
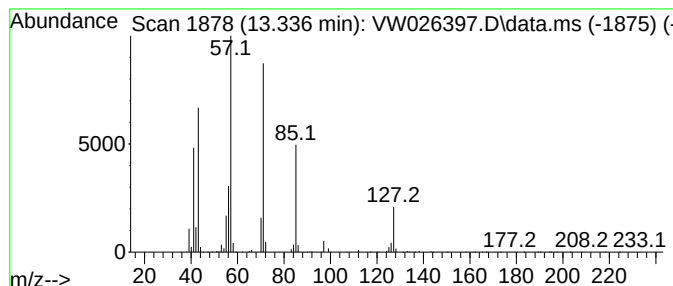
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Quant Title : SFAM01.0

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

Peak Number 35 Sulfurous acid, 2-ethylhexy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.336	28.08 ug/L	1107840	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
2			2,6-Dimethyldecane	170	C12H26	013150-81-7	64
3			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64
4			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

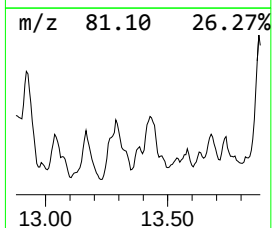
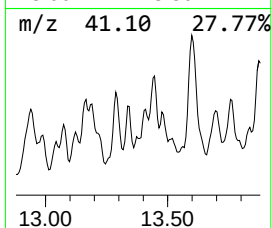
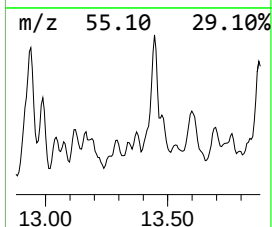
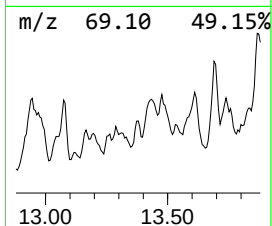
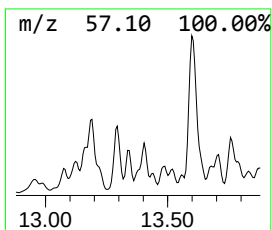
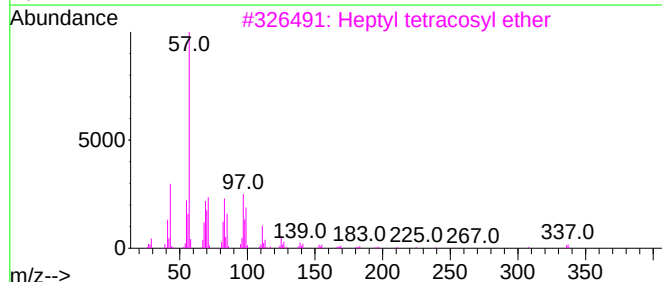
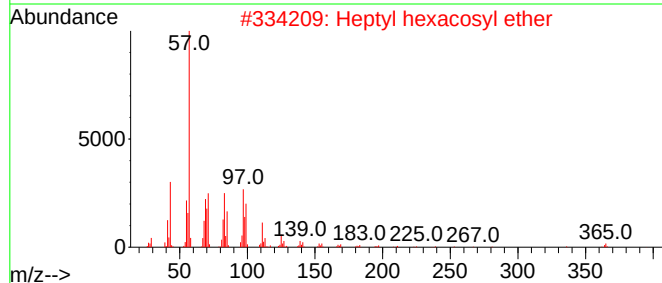
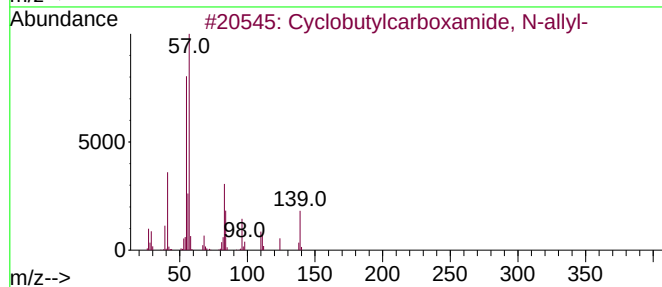
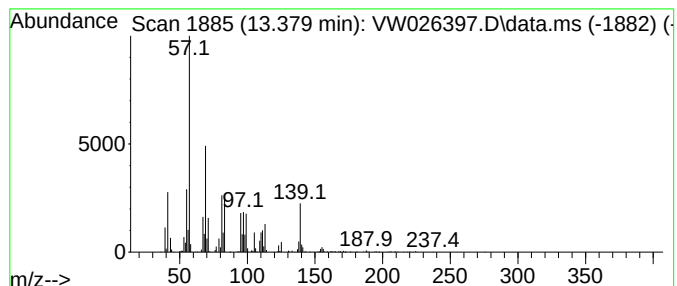
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Quant Title : SFAM01.0

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

Peak Number 36 Cyclobutylcarboxamide, N-al... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.379	11.96 ug/L	471978	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutylcarboxamide, N-allyl-	139	C8H13NO	1000340-36-9	50
2			Heptyl hexacosyl ether	481	C33H68O	1000406-39-9	35
3			Heptyl tetracosyl ether	452	C31H64O	1000406-39-8	35
4			17-Pentatriacontene	491	C35H70	006971-40-0	27
5			1-Octadecene	252	C18H36	000112-88-9	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

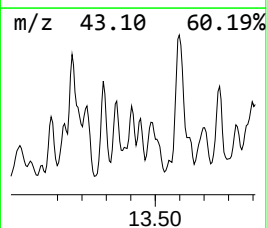
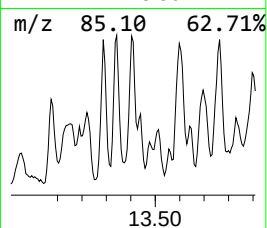
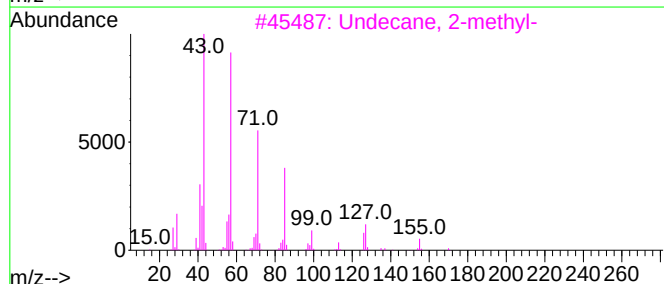
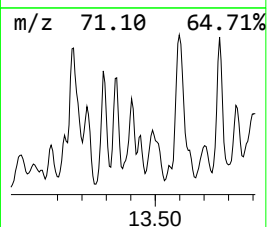
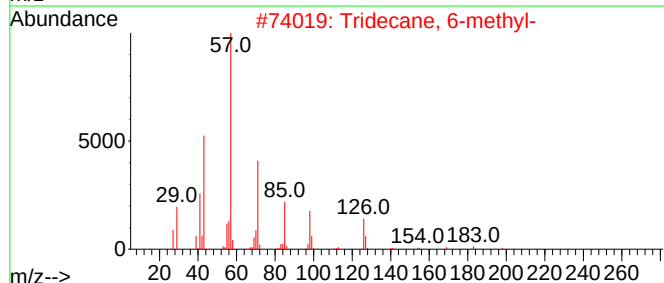
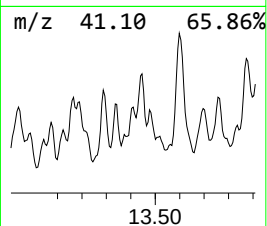
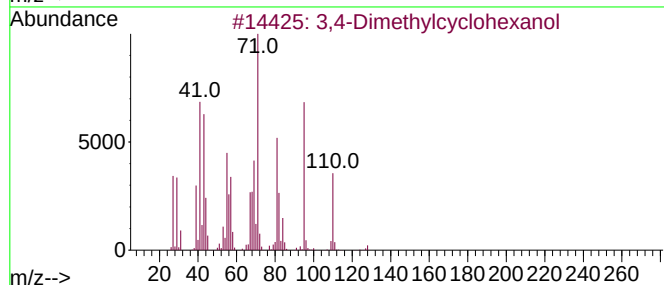
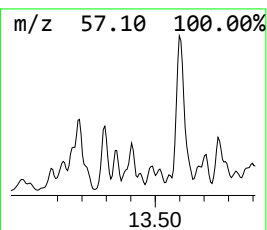
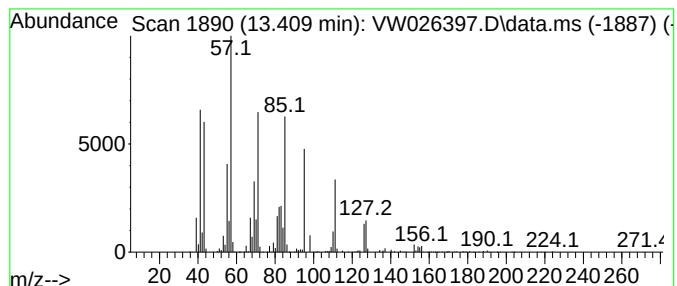
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.409	29.78 ug/L	1174930	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	43
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	35
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	35
4		Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	35
5		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

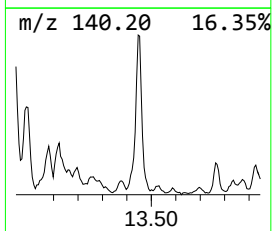
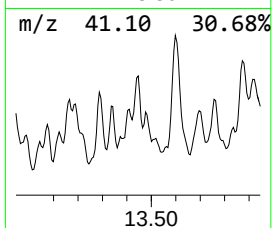
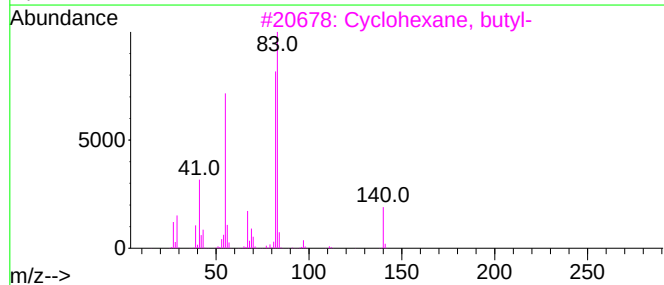
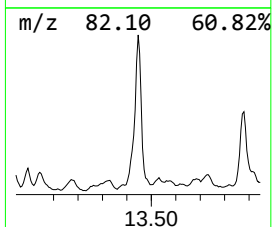
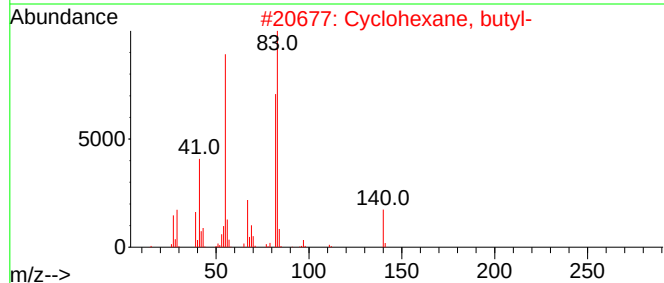
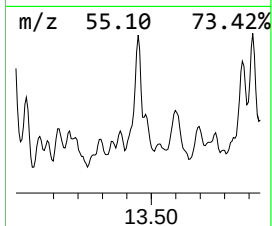
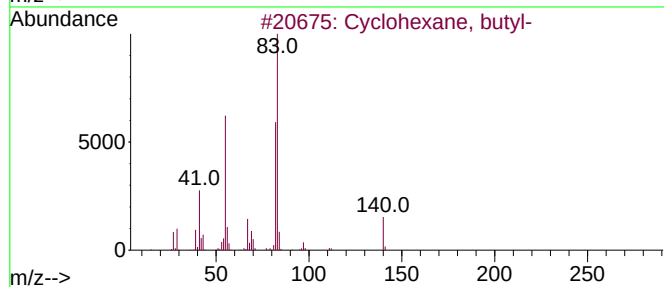
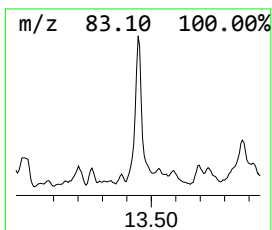
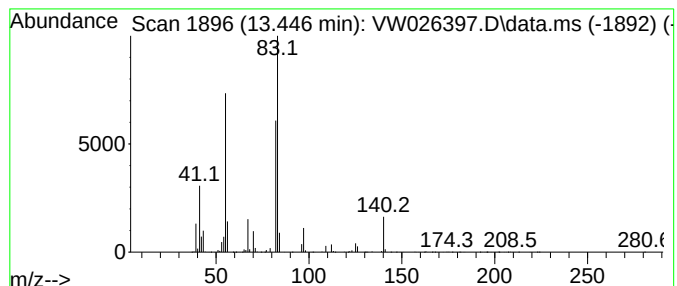
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic13.446 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	56.57 ug/L	2231700	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

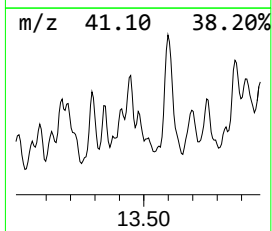
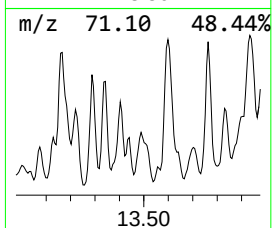
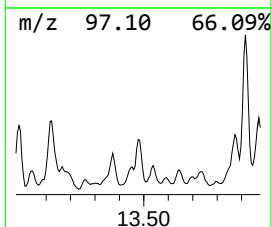
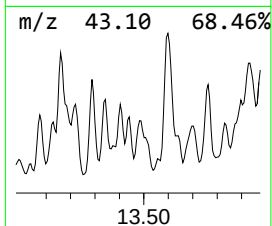
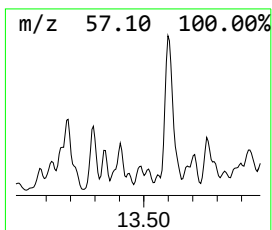
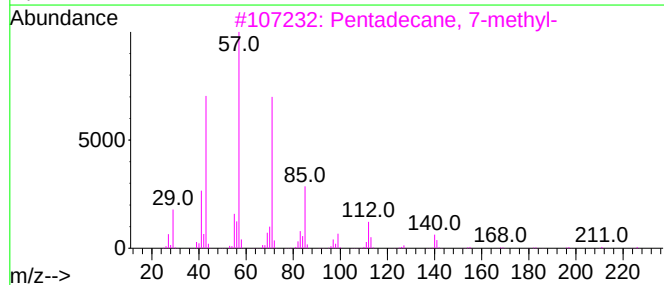
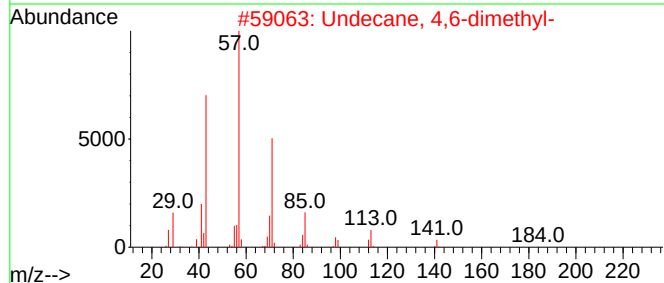
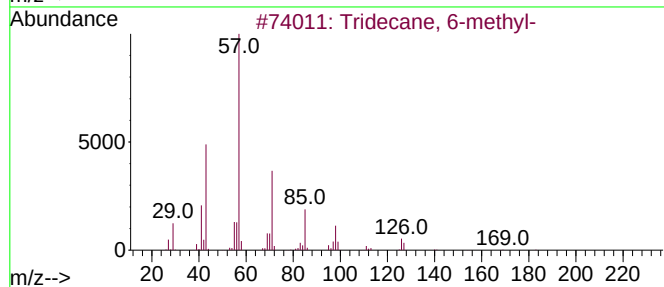
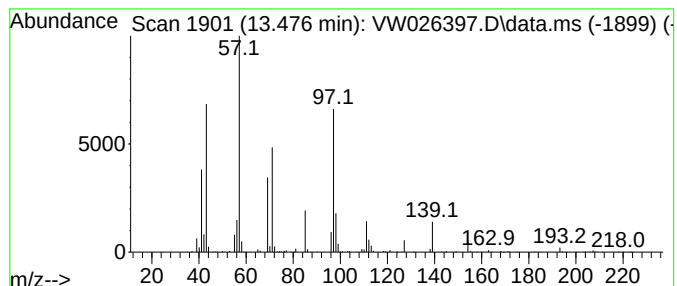
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.476	23.55 ug/L	929224	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-		198	C14H30	013287-21-3	47
2	Undecane, 4,6-dimethyl-		184	C13H28	017312-82-2	43
3	Pentadecane, 7-methyl-		226	C16H34	006165-40-8	38
4	Tridecane		184	C13H28	000629-50-5	38
5	Heptadecane, 2,6-dimethyl-		268	C19H40	054105-67-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

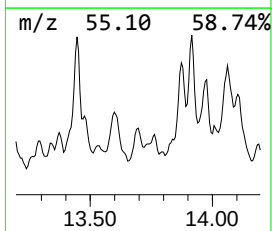
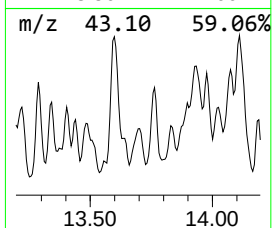
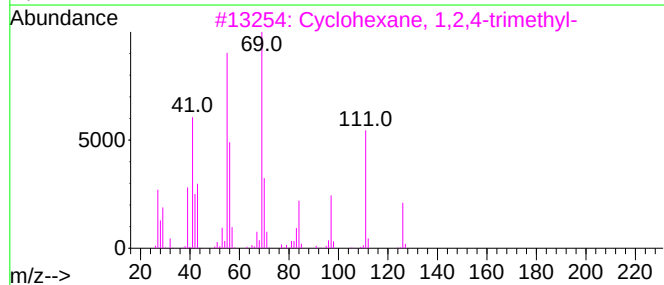
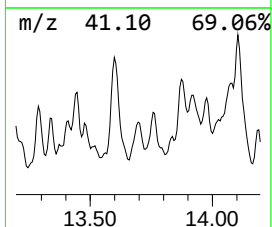
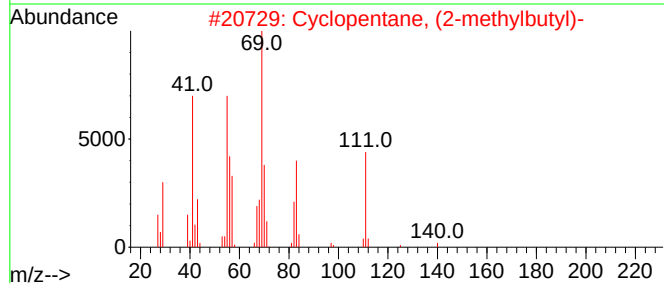
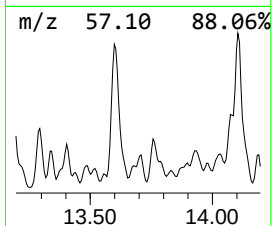
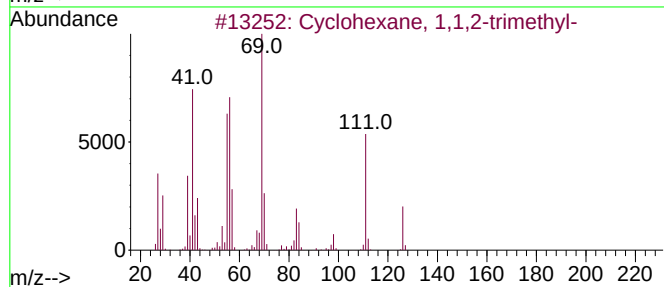
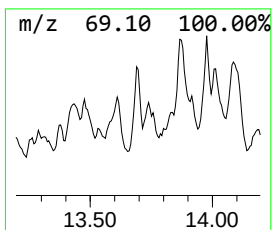
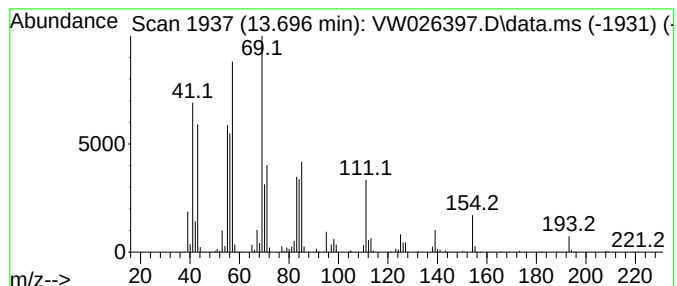
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic13.696 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.696	42.32 ug/L	1669740	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	55
2			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
4			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	42
5			3-Ethyl-6-heptafluorobutyryloxyo...	354	C14H21F7O2	1000215-97-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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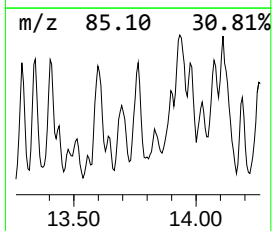
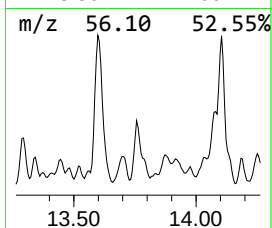
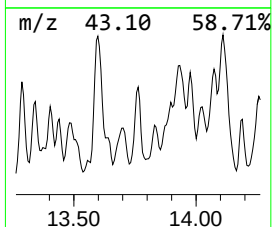
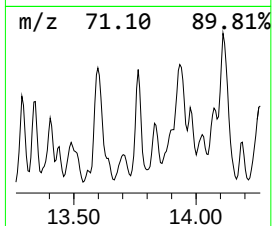
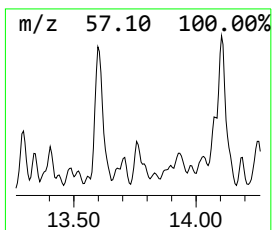
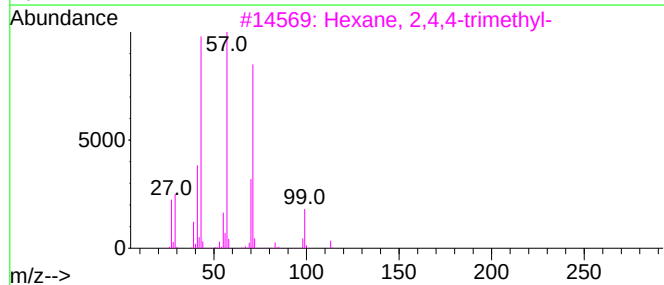
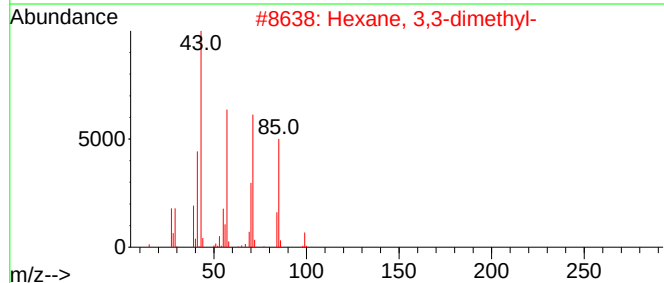
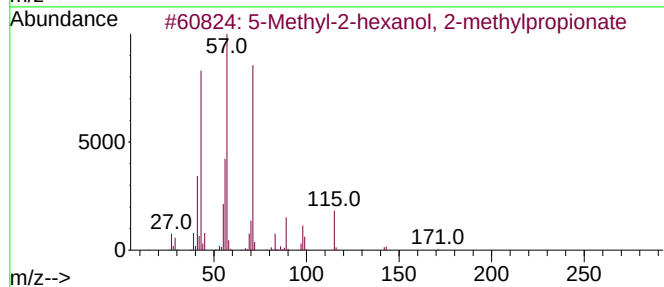
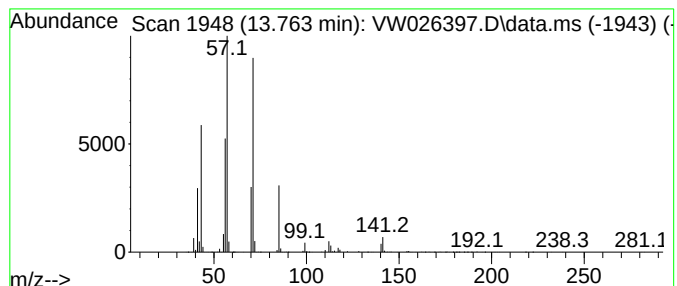
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Quant Title : SFAM01.0

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

Peak Number 41 5-Methyl-2-hexanol, 2-methy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	38.93 ug/L	1536090	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Methyl-2-hexanol, 2-methylprop...	186	C11H22O2	1000447-34-4	59
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
3			Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	50
4			Octane, 3-ethyl-	142	C10H22	005881-17-4	50
5			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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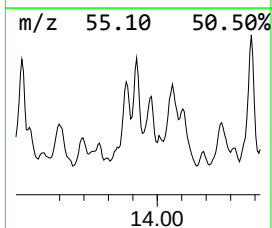
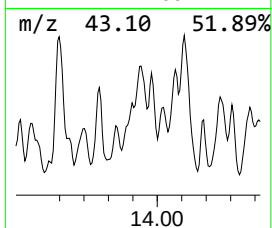
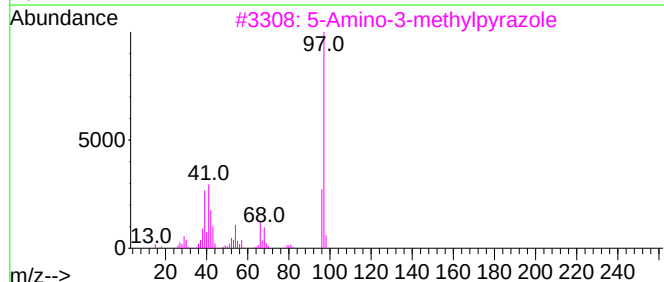
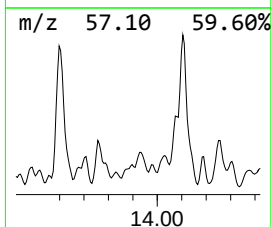
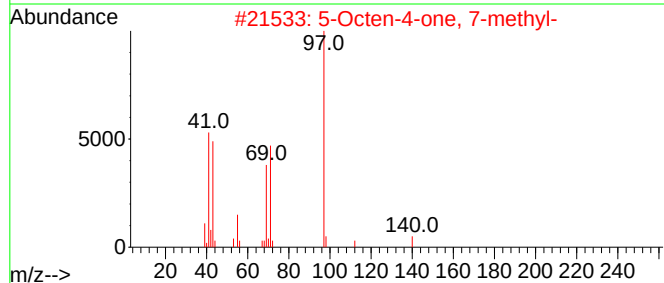
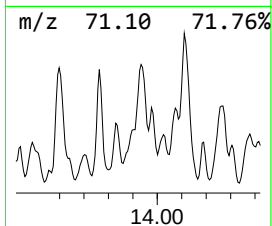
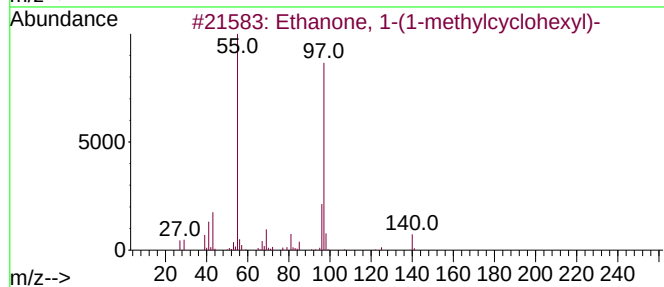
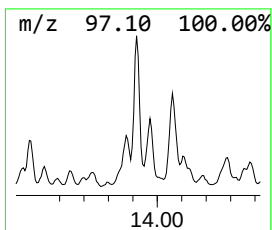
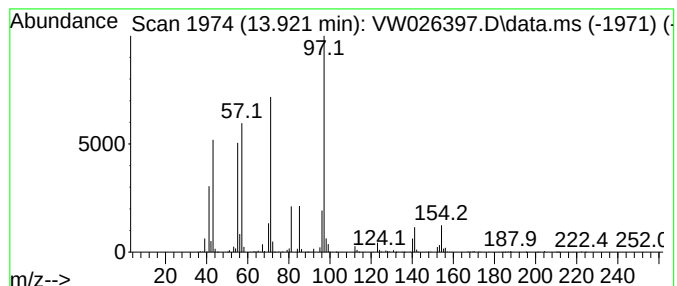
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Quant Title : SFAM01.0

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

Peak Number 42 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.922	50.11 ug/L	1977140	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	43
2			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	38
3			5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	38
4			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	38
5			Bicyclo[3.3.1]nonan-1-ol	140	C9H16O	015158-56-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

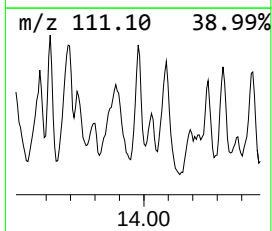
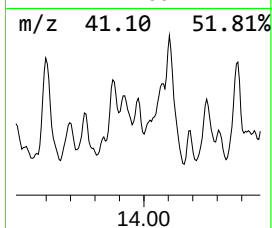
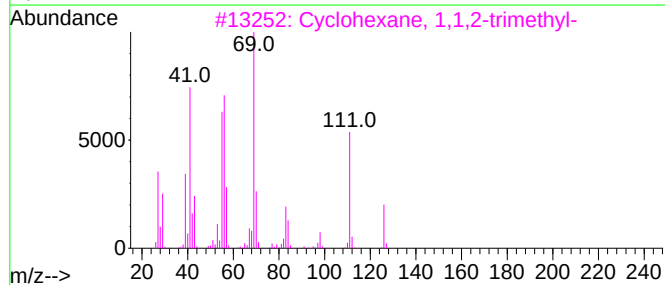
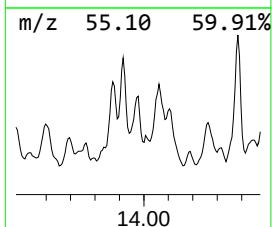
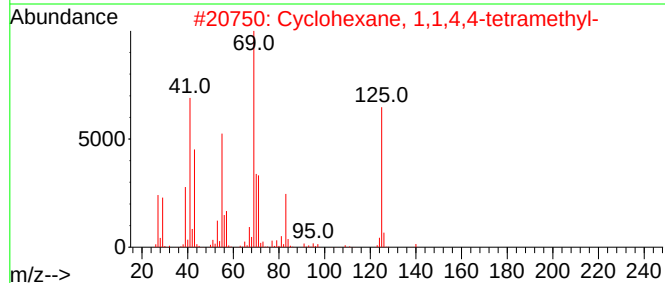
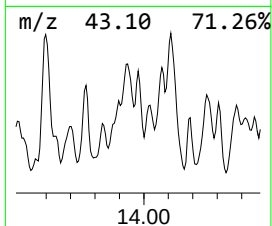
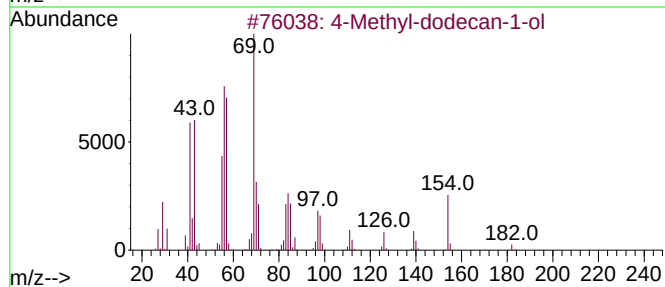
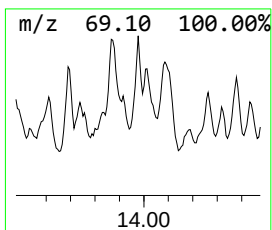
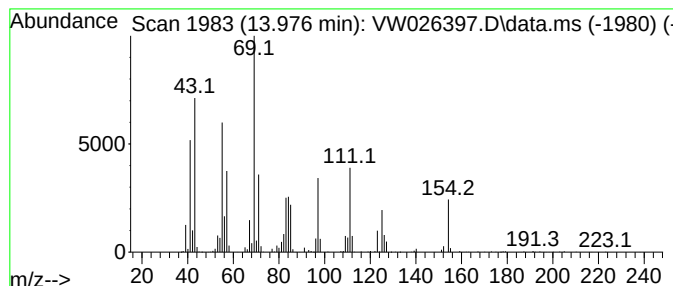
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 43 4-Methyl-dodecan-1-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.976	26.88 ug/L	1060530	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Methyl-dodecan-1-ol		200	C13H28O	086234-17-5	53
2	Cyclohexane, 1,1,4,4-tetramethyl-		140	C10H20	002223-52-1	38
3	Cyclohexane, 1,1,2-trimethyl-		126	C9H18	007094-26-0	38
4	Cyclodecanone		154	C10H18O	001502-06-3	38
5	Cyclooctane, (1-methylpropyl)-		168	C12H24	016538-89-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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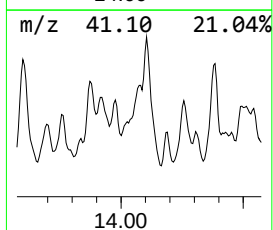
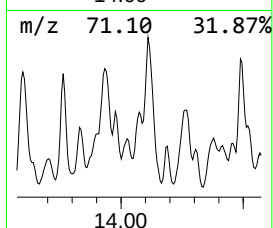
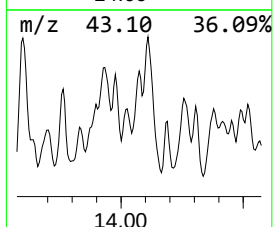
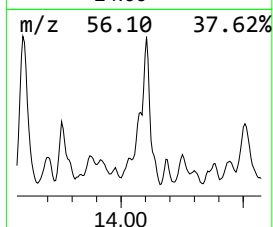
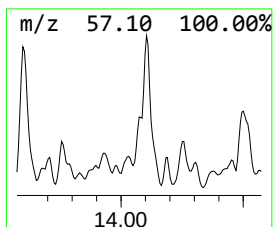
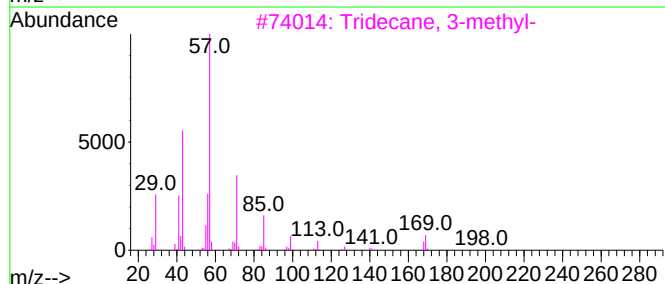
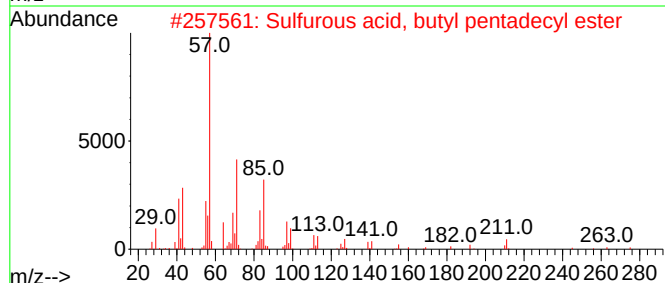
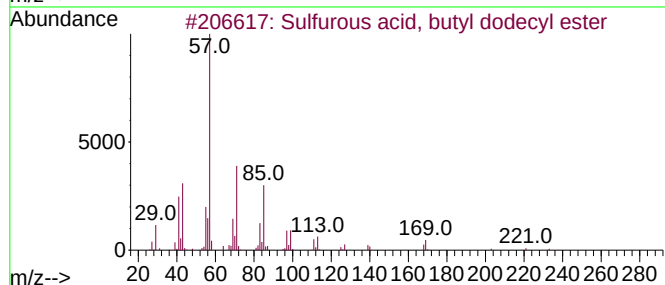
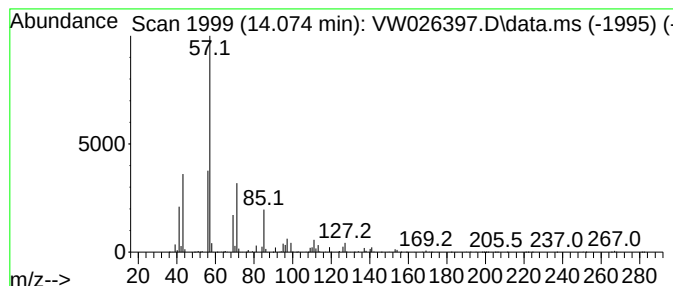
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Quant Title : SFAM01.0

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

Peak Number 44 Sulfurous acid, butyl dodec... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.074	28.89 ug/L	1139630	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	64
2			Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	64
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
4			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
5			2,2-Dimethyleicosane	310	C22H46	1000360-43-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

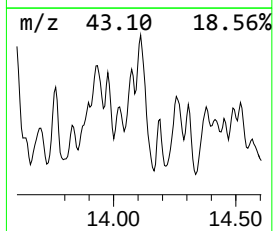
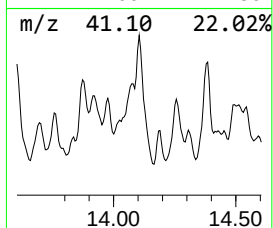
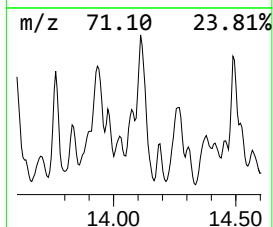
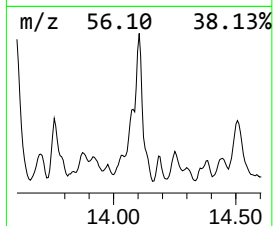
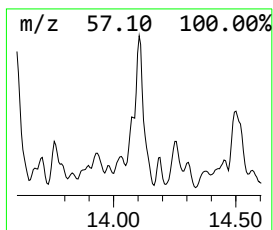
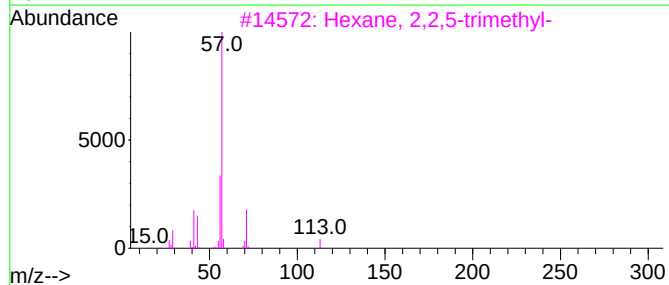
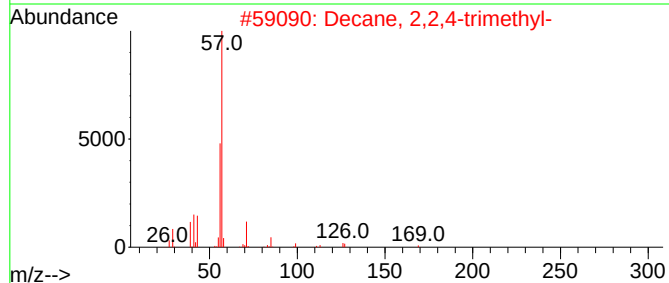
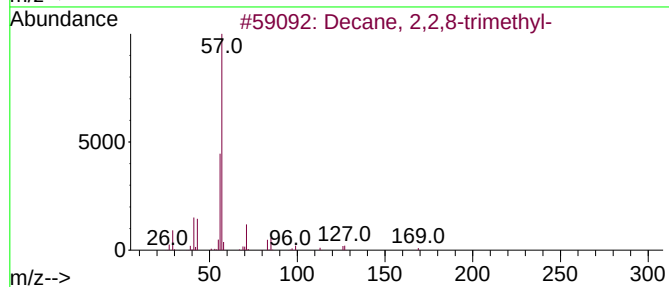
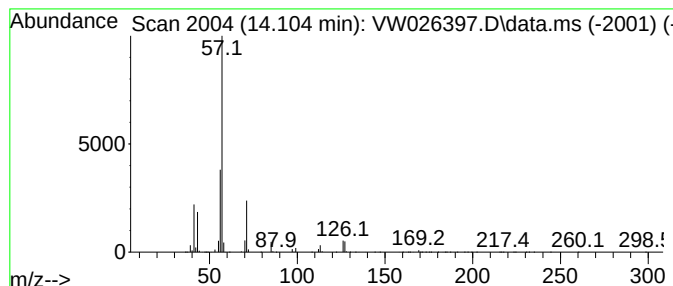
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ClientSampleId :
A46E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.104	122.10 ug/L	4817370	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	59
2	Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	59
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
5	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

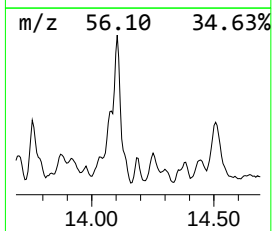
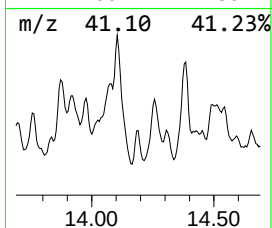
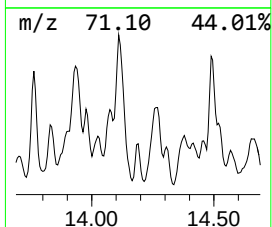
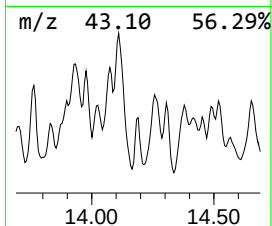
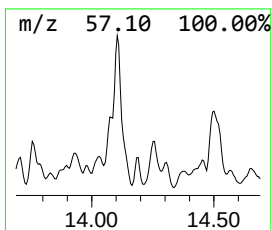
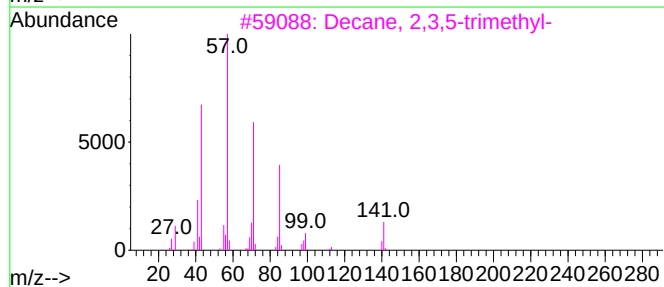
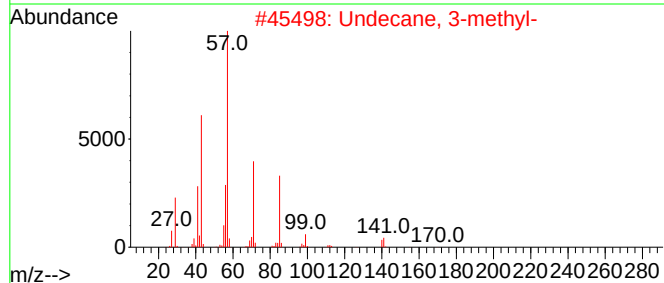
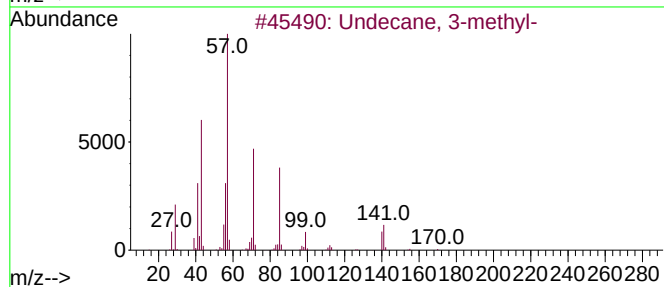
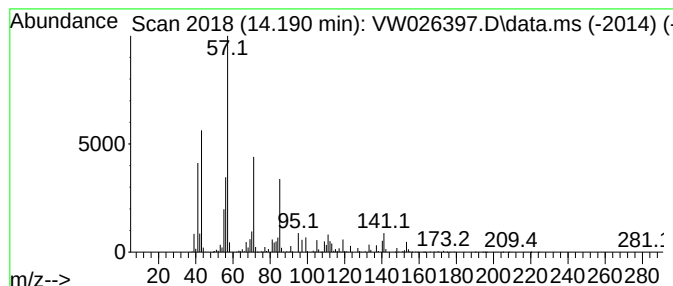
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.190	25.96 ug/L	1024180	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	80
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	72
3	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	64
4	Tridecane, 3-methyl-		198	C14H30	006418-41-3	59
5	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

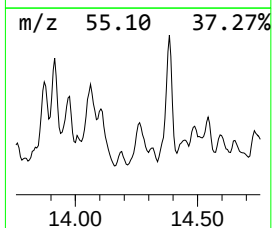
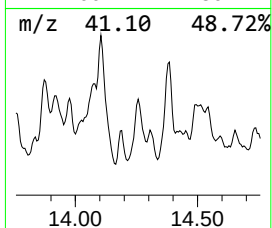
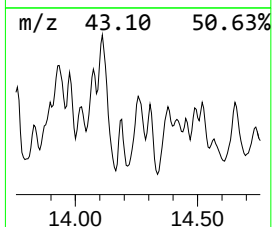
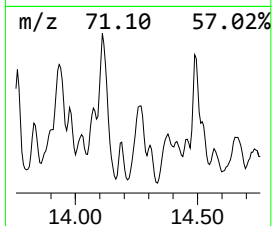
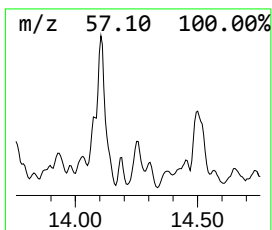
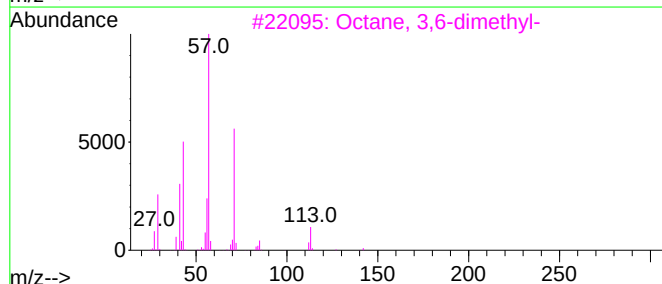
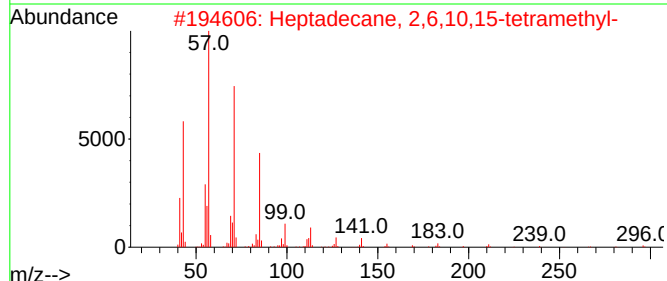
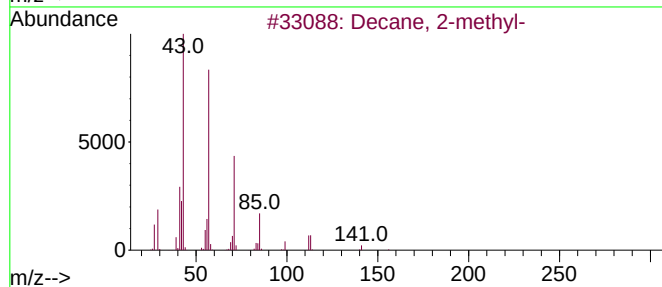
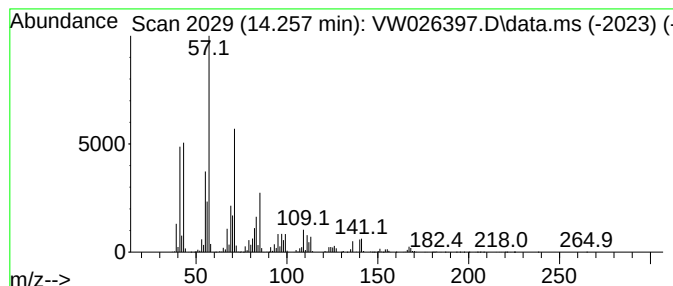
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	66.38 ug/L	2618930	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2-methyl-	156	C11H24	006975-98-0	64
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	50
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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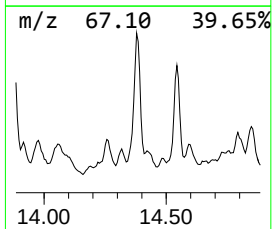
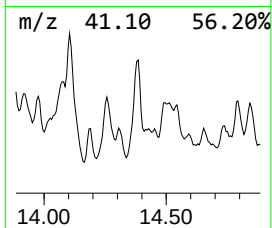
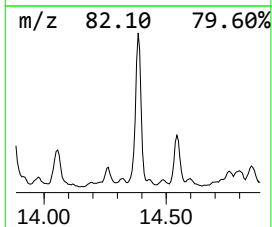
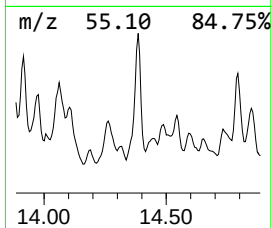
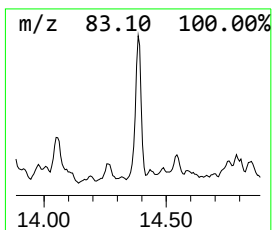
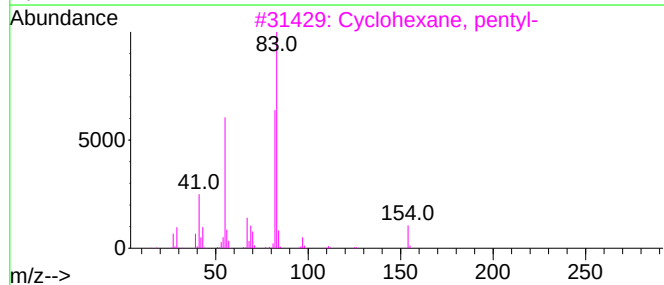
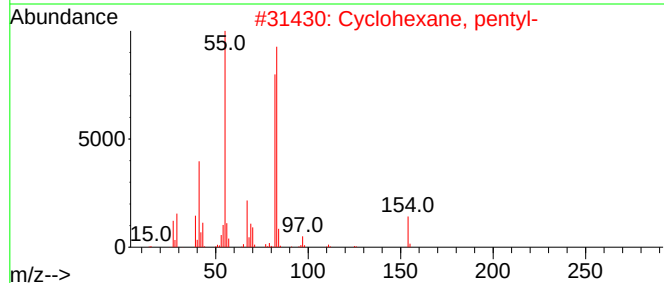
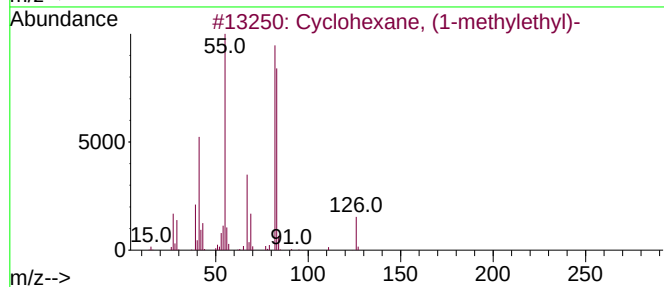
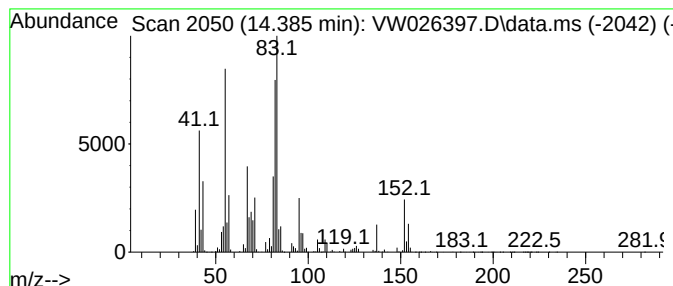
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Cyclic14.385 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	112.66 ug/L	4444770	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
5			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

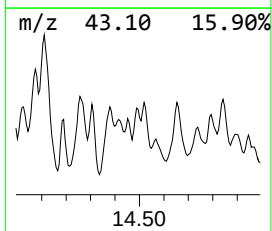
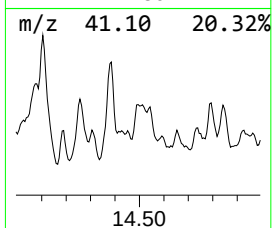
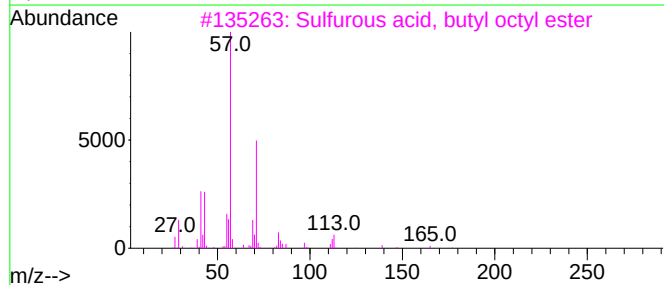
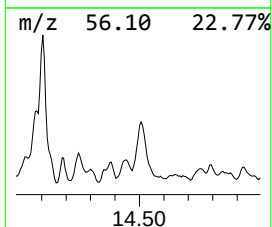
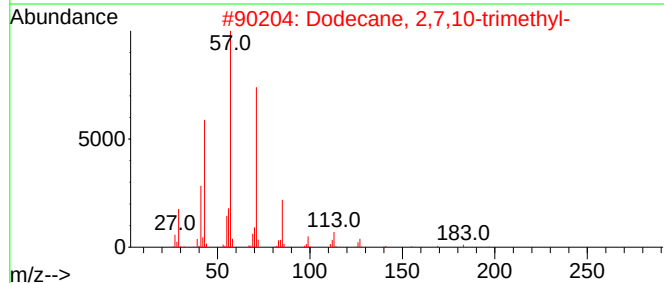
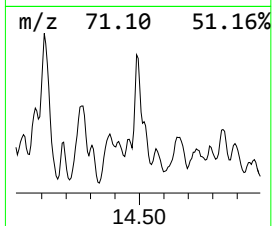
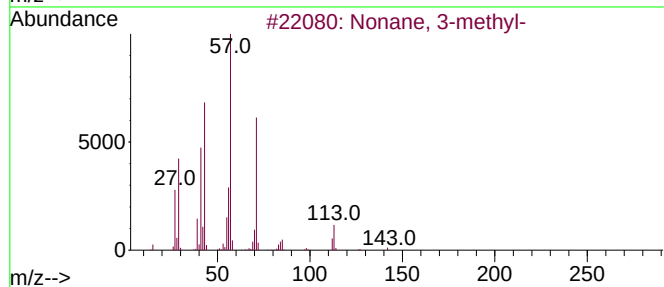
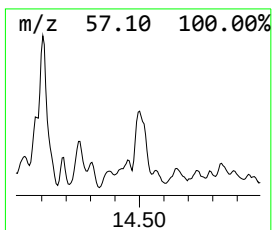
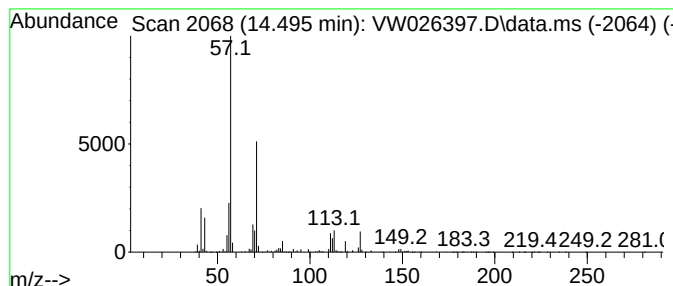
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	43.33 ug/L	1709450	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
5			Octyl thioglycolate	204	C10H20O2S	007664-80-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

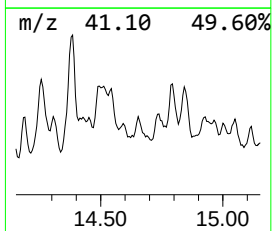
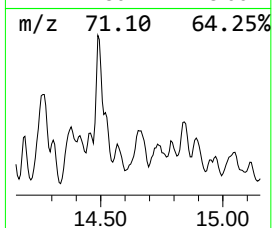
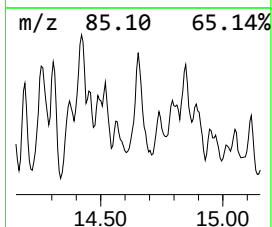
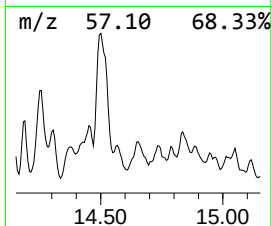
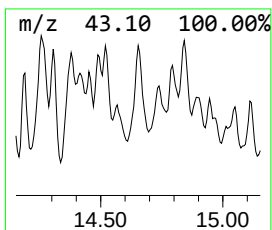
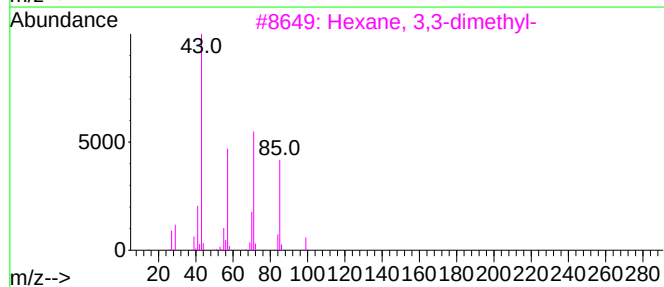
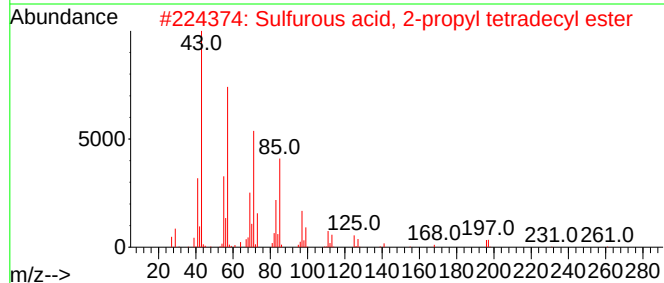
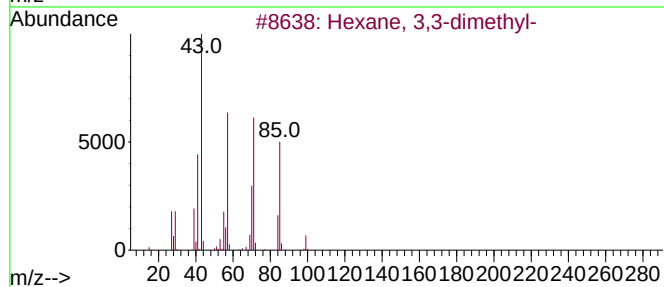
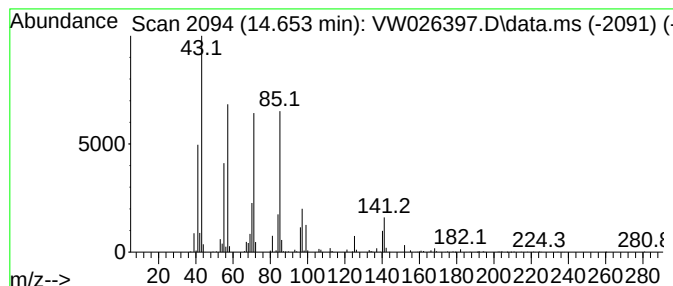
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.653	19.10 ug/L	753554	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
2	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1010309-12-5	50
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	50
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

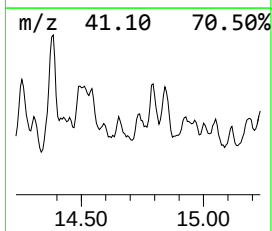
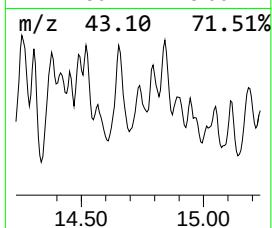
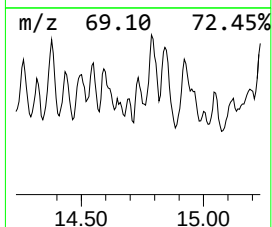
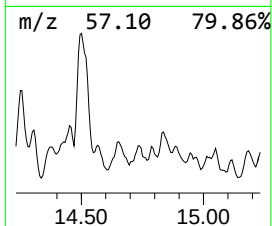
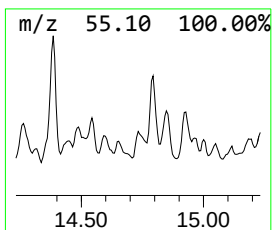
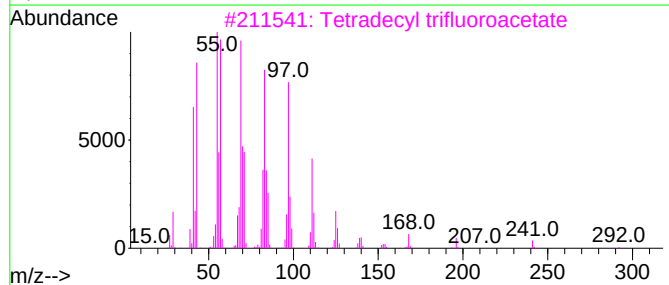
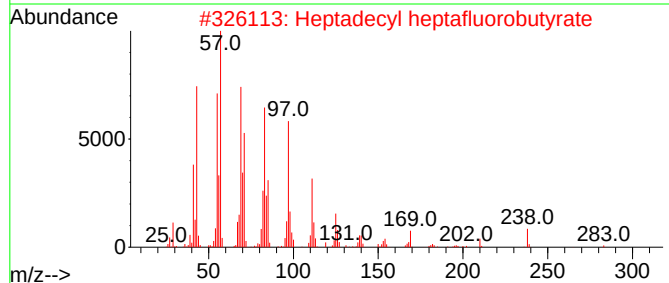
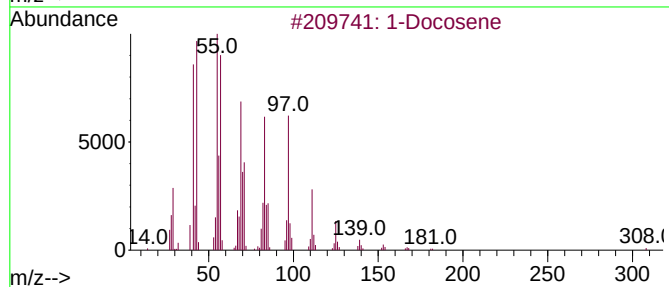
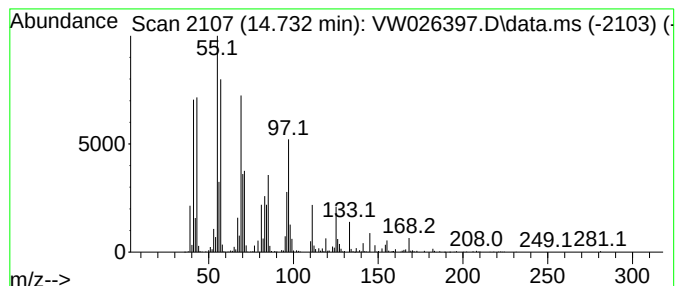
Instrument :
MSVOA_W
ClientSampleId :
A46E9

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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.732	25.50 ug/L	1006140	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	62
2	Heptadecyl heptafluorobutyrate		452	C21H35F7O2	959085-66-6	58
3	Tetradecyl trifluoroacetate		310	C16H29F3O2	006222-02-2	52
4	5-Eicosene, (E)-		280	C20H40	074685-30-6	52
5	Heptafluorobutyric acid, n-tetra...		410	C18H29F7O2	007365-36-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

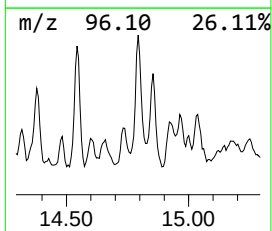
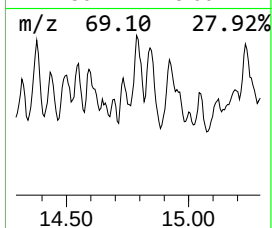
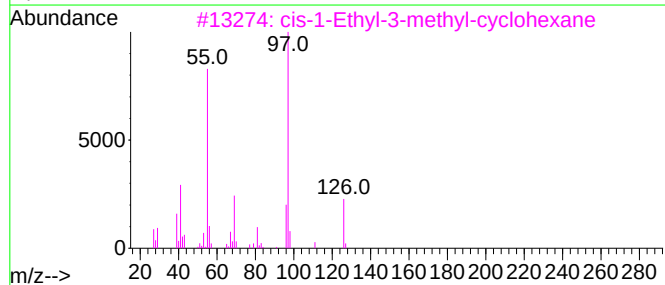
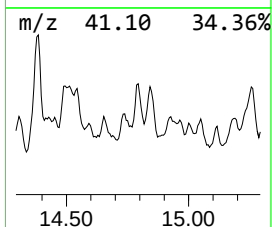
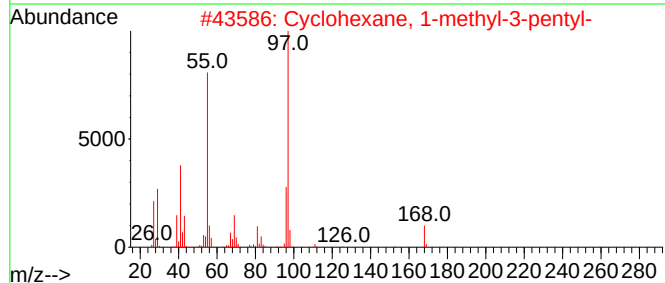
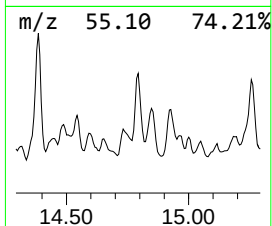
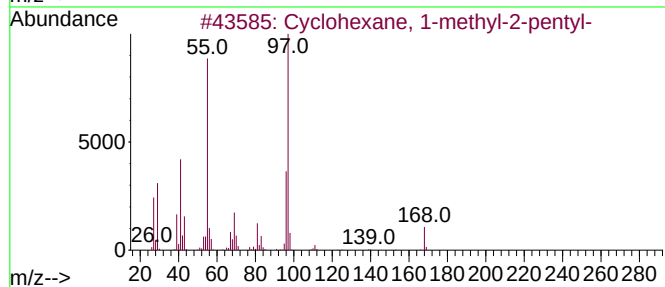
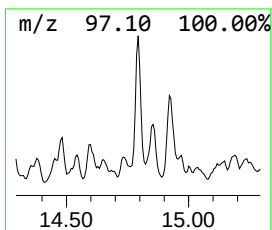
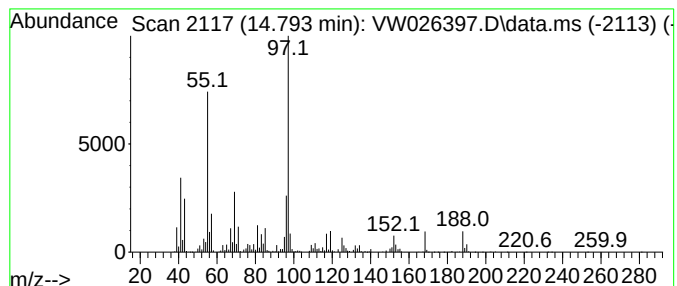
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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Cyclic14.793 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	42.62 ug/L	1681670	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	68
2			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	64
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	58
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

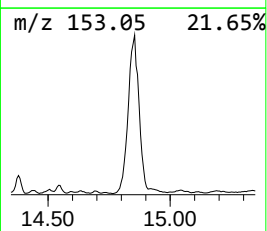
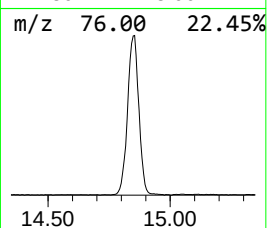
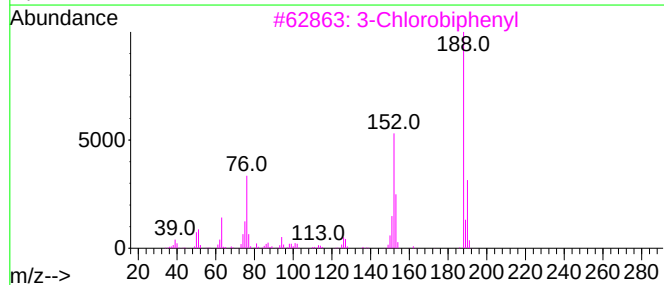
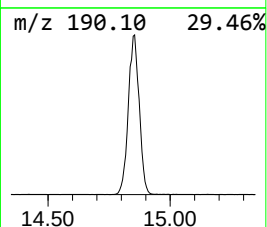
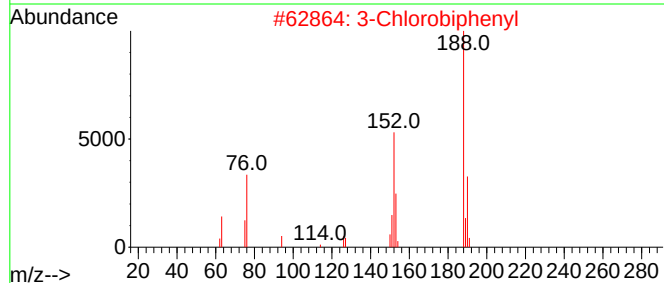
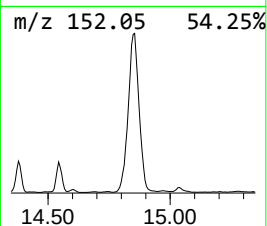
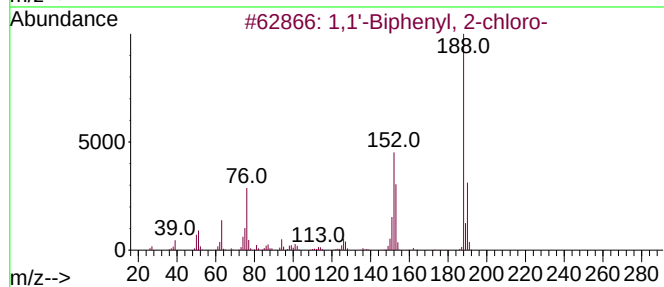
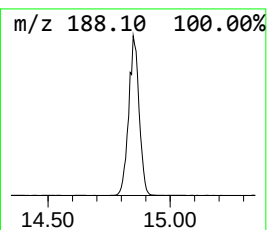
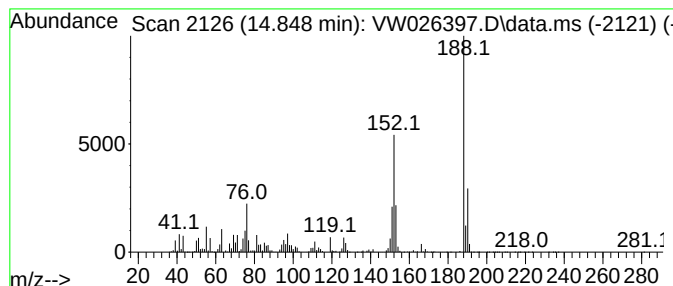
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Quant Title : SFAM01.0

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

Peak Number 53 1,1'-Biphenyl, 2-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.848	225.78 ug/L	8907490	1,4-Dichlorobenzene-d4	13.556

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

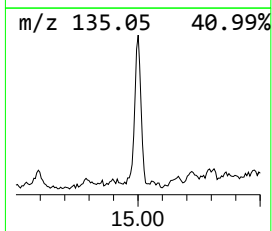
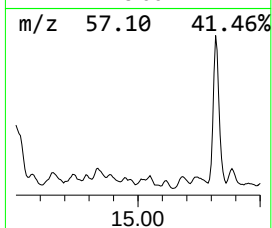
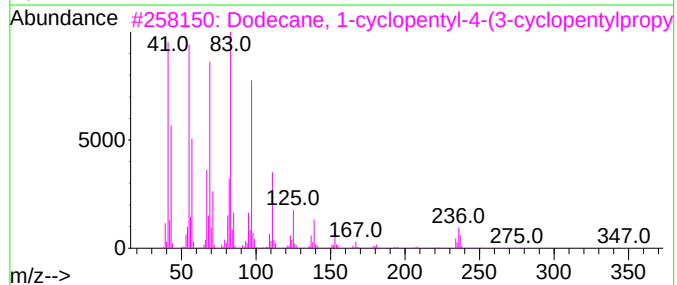
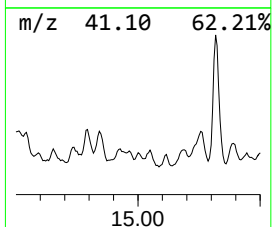
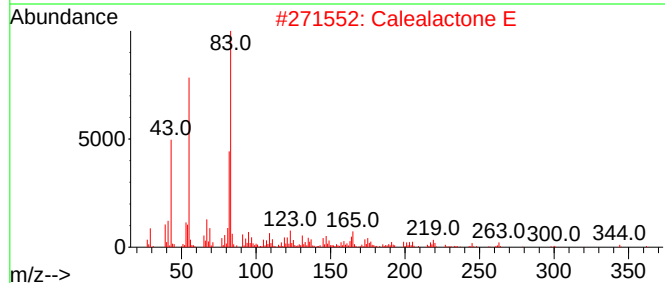
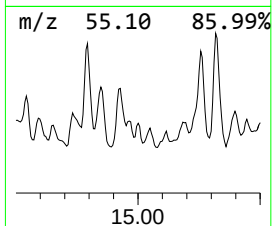
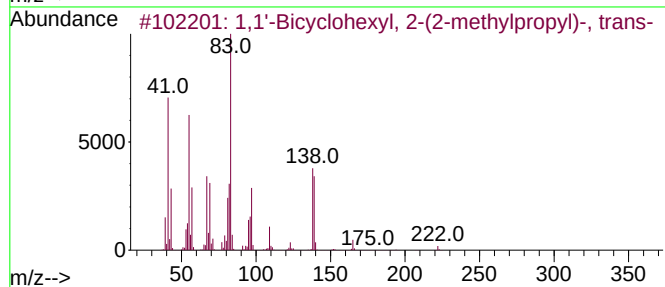
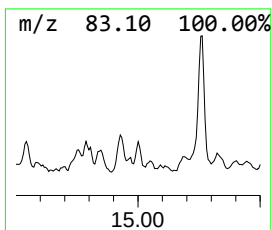
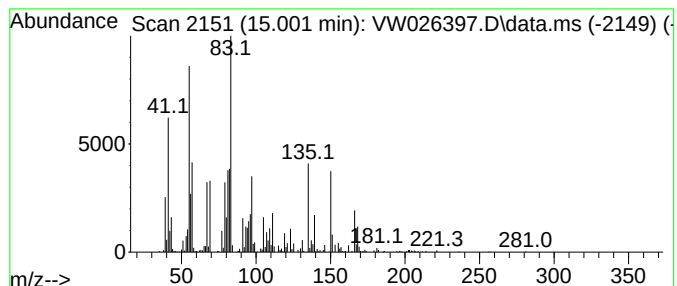
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Quant Title : SFAM01.0

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

Peak Number 54 unknown-04 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.001	5.83 ug/L	230187	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl, 2-(2-methylpr...	222	C16H30	055012-77-6	43		
2	Calealactone E	362	C20H26O6	094663-21-5	38		
3	Dodecane, 1-cyclopentyl-4-(3-cyc...	348	C25H48	007225-68-5	38		
4	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	35		
5	Cycloundecanone	168	C11H20O	000878-13-7	25		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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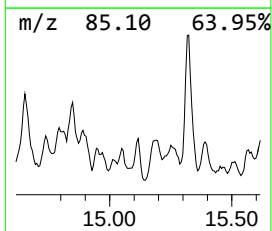
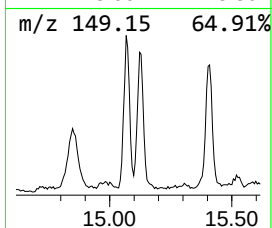
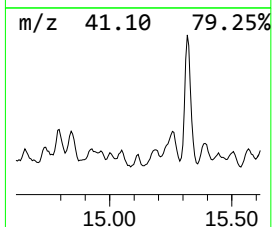
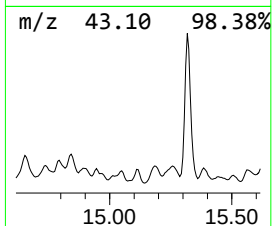
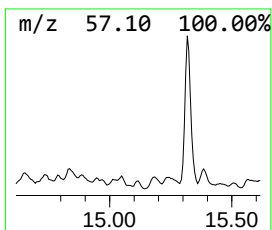
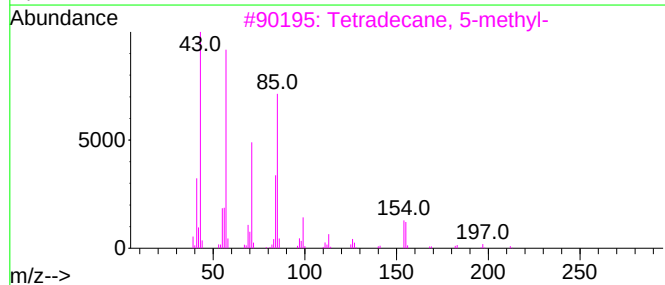
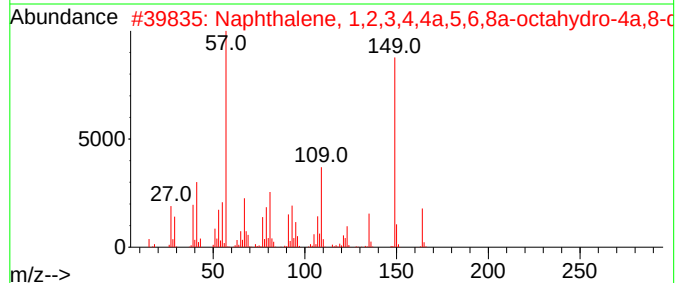
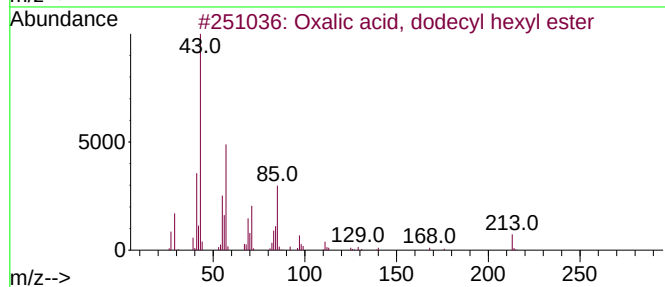
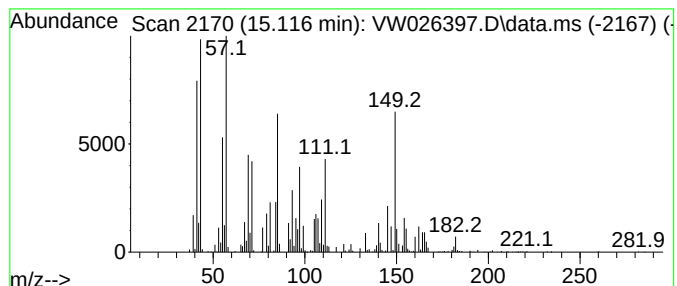
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Quant Title : SFAM01.0

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

Peak Number 55 unknown-05 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	9.56 ug/L	377272	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, dodecyl hexyl ester	342	C20H38O4	1000309-24-6	27
2			Naphthalene, 1,2,3,4,4a,5,6,8a-o...	164	C12H20	055976-09-5	25
3			Tetradecane, 5-methyl-	212	C15H32	025117-32-2	25
4			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	22
5			Tridecane, 5-methyl-	198	C14H30	025117-31-1	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

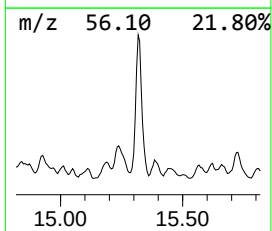
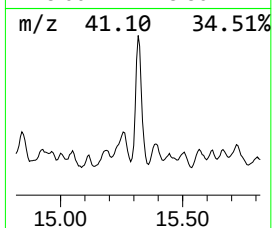
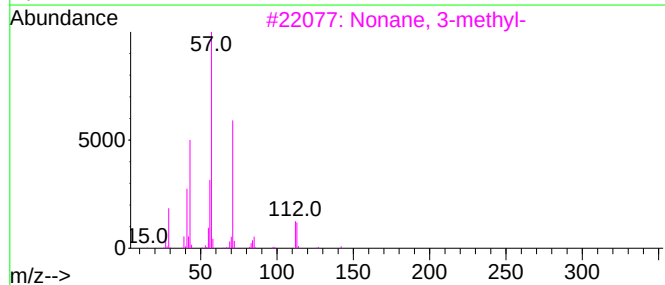
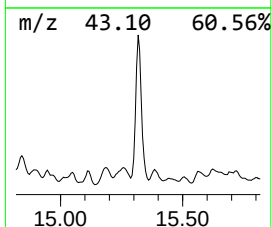
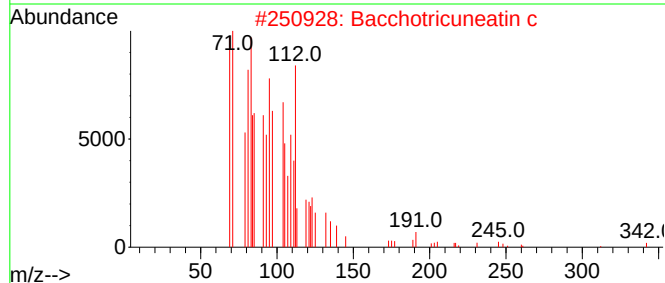
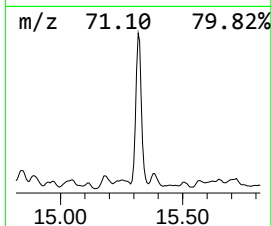
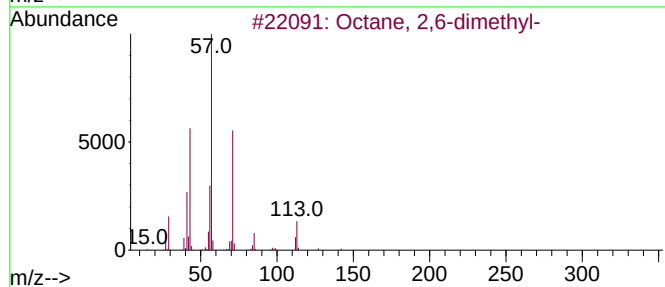
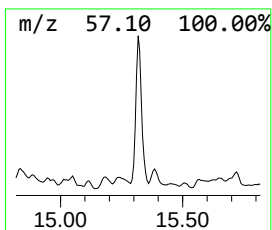
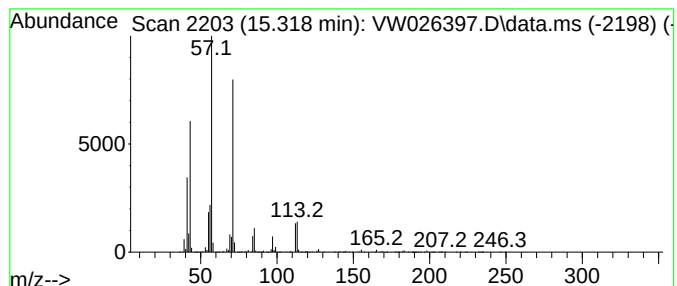
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Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	154.08 ug/L	6078870	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	83
2	Bacchotricuneatin c			342	C20H22O5	066563-30-2	72
3	Nonane, 3-methyl-			142	C10H22	005911-04-6	72
4	Dodecane, 4,6-dimethyl-			198	C14H30	061141-72-8	72
5	Sulfurous acid, dodecyl 2-ethylh...			362	C20H42O3S	1000309-19-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

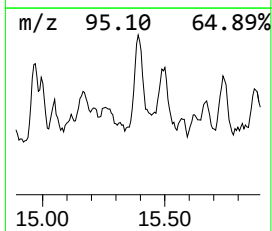
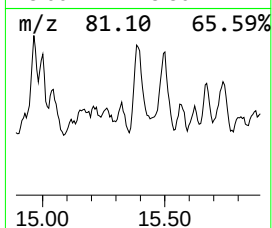
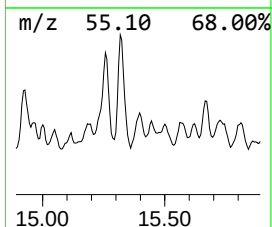
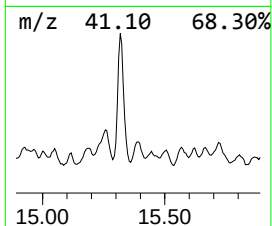
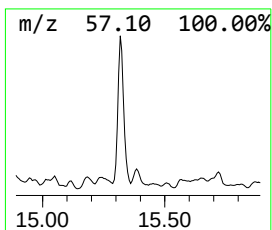
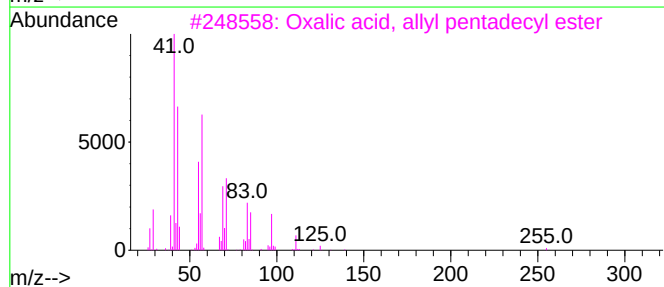
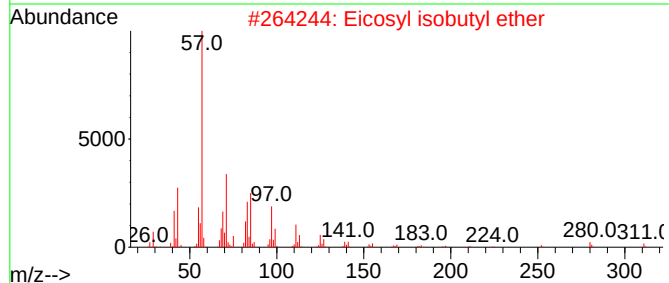
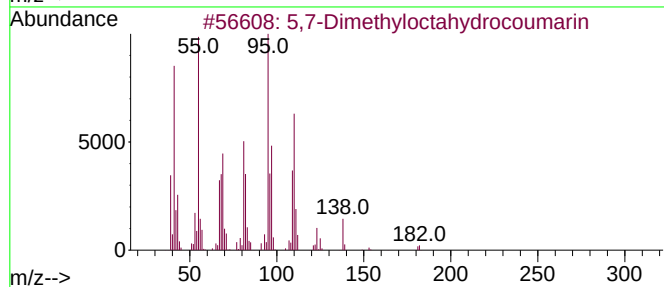
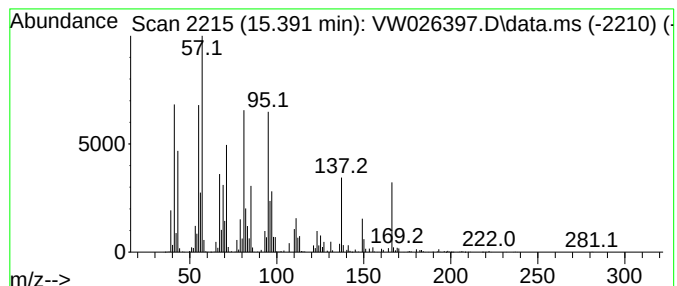
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Quant Title : SFAM01.0

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

Peak Number 57 unknown-06 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	38.46 ug/L	1517520	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,7-Dimethyloctahydrocoumarin	182	C11H18O2	1000109-81-5	38
2			Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	38
3			Oxalic acid, allyl pentadecyl ester	340	C20H36O4	1000309-24-3	35
4			Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	30
5			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

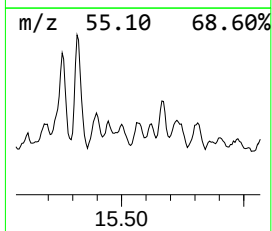
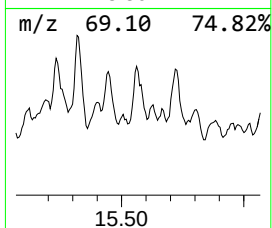
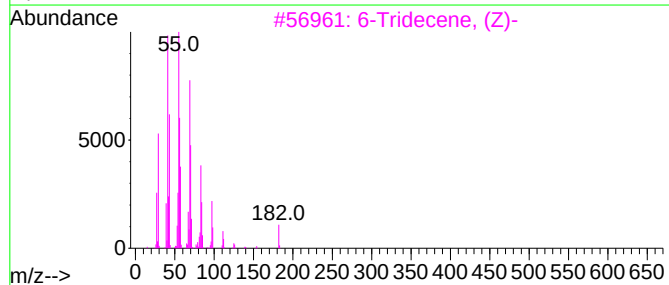
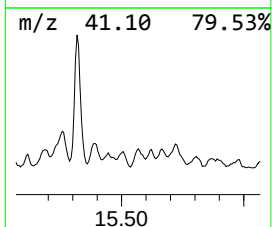
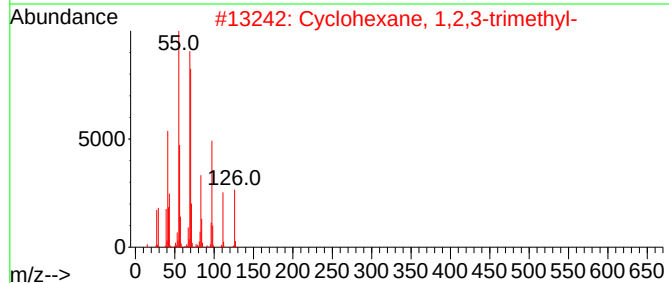
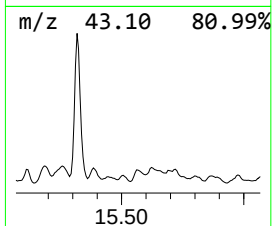
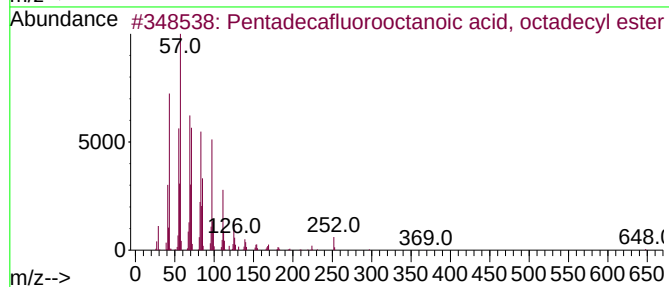
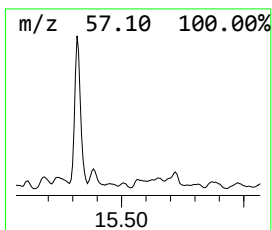
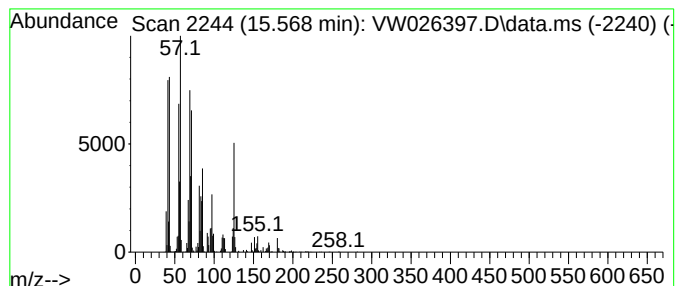
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Quant Title : SFAM01.0

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

Peak Number 58 Pentadecafluorooctanoic aci... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	21.52 ug/L	849190	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	58
2			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
3			6-Tridecene, (Z)-	182	C13H26	006508-77-6	38
4			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	35
5			Dodecane	170	C12H26	000112-40-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

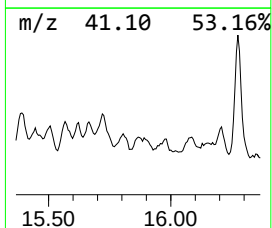
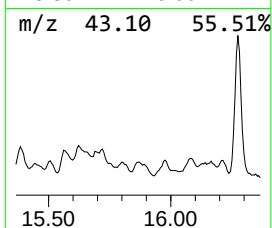
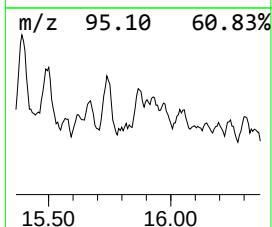
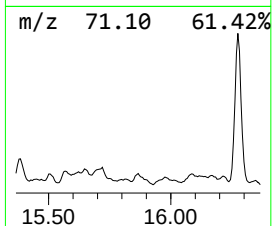
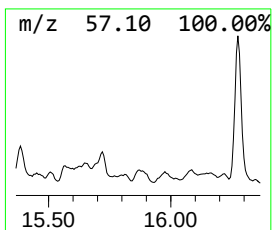
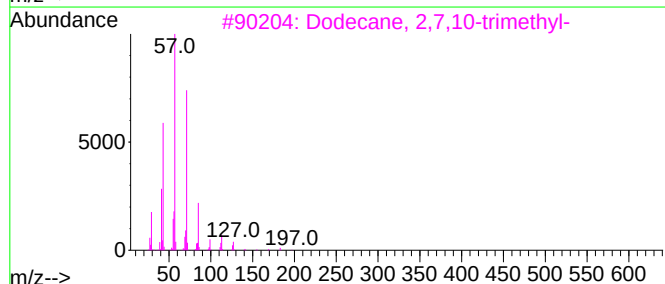
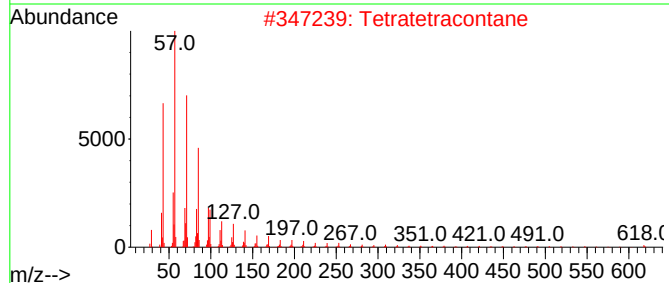
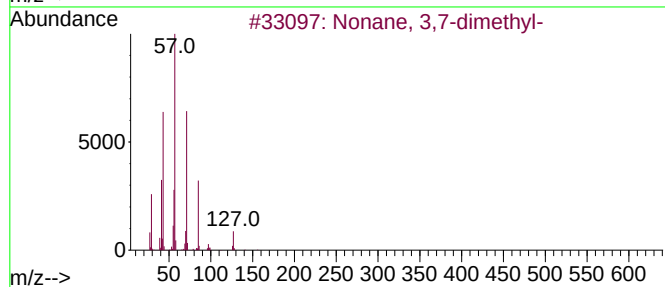
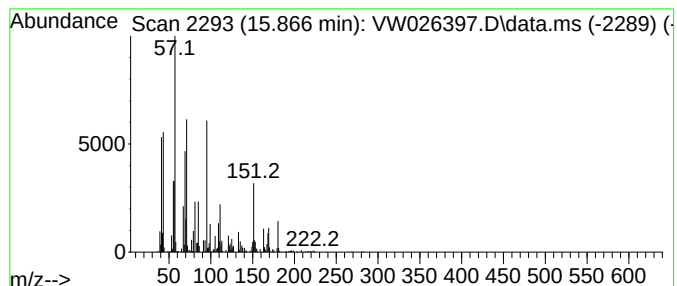
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Quant Title : SFAM01.0

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.866	11.21 ug/L	442255	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	18
2		Tetratetracontane	619	C44H90	007098-22-8	14
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	14
4		Hexadecane	226	C16H34	000544-76-3	14
5		Tridecane	184	C13H28	000629-50-5	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW062397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

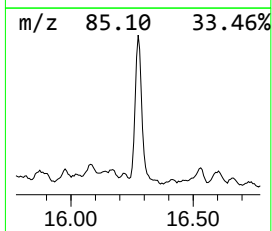
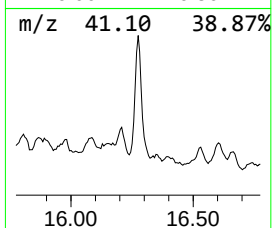
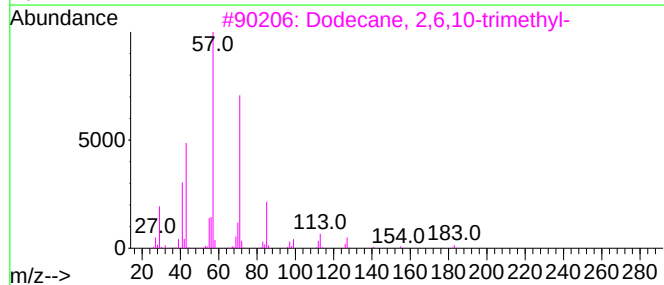
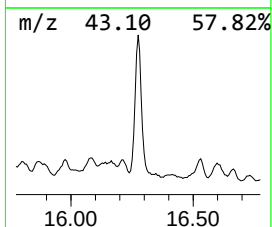
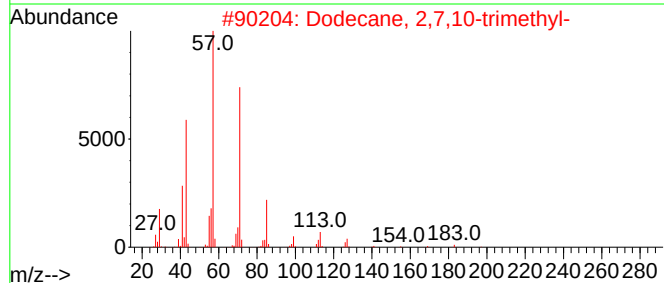
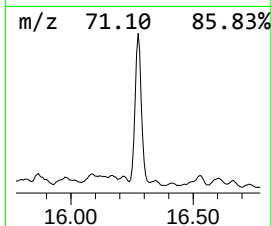
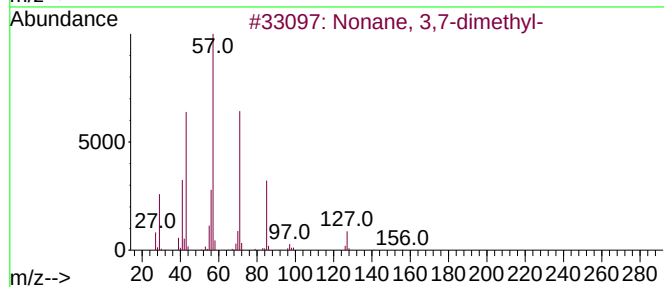
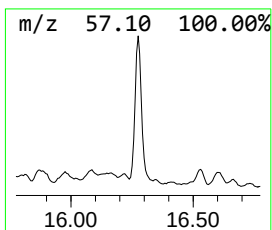
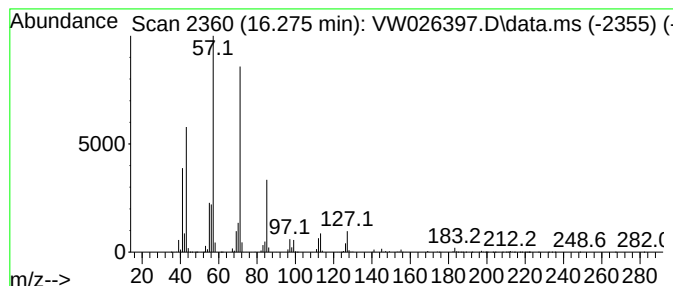
Instrument :
MSVOA_W
ClientSampleId :
A46E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.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 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.275	97.88 ug/L	3861510	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	90
2	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	90
3	Dodecane, 2,6,10-trimethyl-		212	C15H32	003891-98-3	90
4	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	80
5	Nonane, 3-methyl-5-propyl-		184	C13H28	031081-18-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
Data File : VW026397.D
Acq On : 28 Jun 2023 14:45
Operator : SY/MD
Sample : 03420-14
Misc : 4.84g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46E9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.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: C...	10.501	1.4	ug/L	105529	2	11.629	1942000	25.0
(DEL) Alkane: C...	10.666	1.5	ug/L	113953	2	11.629	1942000	25.0
(DEL) Alkane: C...	10.764	1.5	ug/L	115044	2	11.629	1942000	25.0
Ether, hexyl pe...	10.843	1.6	ug/L	120078	2	11.629	1942000	25.0
(DEL) Alkane: S...	11.032	4.9	ug/L	378560	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.111	1.4	ug/L	108246	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.178	1.9	ug/L	143971	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.227	7.9	ug/L	616660	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.282	1.3	ug/L	97344	2	11.629	1942000	25.0
(DEL) Alkane: S...	11.337	8.3	ug/L	643675	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.434	5.8	ug/L	451580	2	11.629	1942000	25.0
(DEL) Alkane: S...	11.507	7.0	ug/L	540068	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.763	2.5	ug/L	198005	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.818	6.8	ug/L	530953	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.873	9.5	ug/L	738509	2	11.629	1942000	25.0
(DEL) Alkane: C...	11.916	5.4	ug/L	420294	2	11.629	1942000	25.0
(DEL) Alkane: S...	11.971	3.3	ug/L	253045	2	11.629	1942000	25.0
(DEL) Alkane: S...	12.062	5.9	ug/L	455564	2	11.629	1942000	25.0
(DEL) Alkane: C...	12.135	20.6	ug/L	1601090	2	11.629	1942000	25.0
unknown-01	12.184	2.7	ug/L	212890	2	11.629	1942000	25.0
(DEL) Alkane: S...	12.251	28.8	ug/L	2237820	2	11.629	1942000	25.0
(DEL) Alkane: S...	12.361	46.6	ug/L	3619600	2	11.629	1942000	25.0
(DEL) Alkane: C...	12.446	1.6	ug/L	124122	2	11.629	1942000	25.0
(DEL) Alkane: S...	12.501	17.1	ug/L	1326430	2	11.629	1942000	25.0
(DEL) Alkane: S...	12.586	5.4	ug/L	421666	2	11.629	1942000	25.0
(DEL) Alkane: C...	12.775	46.0	ug/L	1816520	3	13.556	986322	25.0
(DEL) Alkane: C...	12.855	24.9	ug/L	983832	3	13.556	986322	25.0
(DEL) Alkane: C...	12.940	75.6	ug/L	2981610	3	13.556	986322	25.0
Bicyclo[2.2.1]h...	13.044	16.1	ug/L	634105	3	13.556	986322	25.0
(DEL) Alkane: S...	13.074	18.7	ug/L	738088	3	13.556	986322	25.0
(DEL) Alkane: C...	13.123	19.6	ug/L	772859	3	13.556	986322	25.0
(DEL) Alkane: S...	13.166	26.9	ug/L	1059120	3	13.556	986322	25.0
(DEL) Alkane: S...	13.288	52.6	ug/L	2073500	3	13.556	986322	25.0
Sulfurous acid,...	13.336	28.1	ug/L	1107840	3	13.556	986322	25.0
Cyclobutylcarbo...	13.379	12.0	ug/L	471978	3	13.556	986322	25.0
unknown-02	13.409	29.8	ug/L	1174930	3	13.556	986322	25.0
(DEL) Alkane: C...	13.446	56.6	ug/L	2231700	3	13.556	986322	25.0
(DEL) Alkane: S...	13.476	23.6	ug/L	929224	3	13.556	986322	25.0
(DEL) Alkane: C...	13.696	42.3	ug/L	1669740	3	13.556	986322	25.0
5-Methyl-2-hexa...	13.763	38.9	ug/L	1536090	3	13.556	986322	25.0
unknown-03	13.922	50.1	ug/L	1977140	3	13.556	986322	25.0
4-Methyl-dodeca...	13.976	26.9	ug/L	1060530	3	13.556	986322	25.0
Sulfurous acid,...	14.074	28.9	ug/L	1139630	3	13.556	986322	25.0
(DEL) Alkane: S...	14.104	122.1	ug/L	4817370	3	13.556	986322	25.0
(DEL) Alkane: S...	14.190	26.0	ug/L	1024180	3	13.556	986322	25.0
(DEL) Alkane: S...	14.257	66.4	ug/L	2618930	3	13.556	986322	25.0
(DEL) Alkane: C...	14.385	112.7	ug/L	4444770	3	13.556	986322	25.0
(DEL) Alkane: S...	14.495	43.3	ug/L	1709450	3	13.556	986322	25.0
(DEL) Alkane: S...	14.653	19.1	ug/L	753554	3	13.556	986322	25.0
(DEL) Alkane: S...	14.732	25.5	ug/L	1006140	3	13.556	986322	25.0
(DEL) Alkane: C...	14.793	42.6	ug/L	1681670	3	13.556	986322	25.0
1,1'-Biphenyl, ...	14.848	225.8	ug/L	8907490	3	13.556	986322	25.0

unknown-04	15.001	5.8	ug/L	230187	3	13.556	986322	25.0
unknown-05	15.116	9.6	ug/L	377272	3	13.556	986322	25.0
(DEL) Alkane: S...	15.318	154.1	ug/L	6078870	3	13.556	986322	25.0
unknown-06	15.391	38.5	ug/L	1517520	3	13.556	986322	25.0
Pentadecafluoro...	15.568	21.5	ug/L	849190	3	13.556	986322	25.0
(DEL) Alkane: S...	15.866	11.2	ug/L	442255	3	13.556	986322	25.0
(DEL) Alkane: S...	16.275	97.9	ug/L	3861510	3	13.556	986322	25.0

Instrument :

MSVOA_W

ClientSampleId :

A46E9