

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026045.D
 Acq On : 25 May 2023 17:02
 Operator : SY/MD
 Sample : 02950-21
 Misc : 2.94g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW997

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\SFAMWLM050123SMA.M
 Title : SFAM01.0

Signal : TIC: VW026045.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.357	71	77	90	rVB	150248	312747	5.46%	0.317%
2	2.893	158	165	181	rVB	110299	296088	5.17%	0.300%
3	4.015	337	349	360	rBV	289742	786331	13.73%	0.797%
4	4.917	481	497	513	rBV	119842	404181	7.06%	0.409%
5	5.941	655	665	675	rBV2	39724	121194	2.12%	0.123%
6	7.075	843	851	863	rBV	76837	225666	3.94%	0.229%
7	7.648	933	945	960	rBV	414350	1040161	18.16%	1.054%
8	8.032	1000	1008	1018	rVB2	114131	296476	5.18%	0.300%
9	8.154	1020	1028	1034	rBV	57456	129276	2.26%	0.131%
10	8.276	1034	1048	1064	rVB2	824876	2510929	43.84%	2.544%
11	8.423	1064	1072	1076	rBV2	79975	216184	3.77%	0.219%
12	8.478	1076	1081	1090	rVV	180464	511100	8.92%	0.518%
13	8.569	1090	1096	1106	rVB	216428	488506	8.53%	0.495%
14	8.837	1132	1140	1154	rBV	847501	1784163	31.15%	1.807%
15	9.276	1203	1212	1218	rBV4	652598	1800237	31.43%	1.824%
16	9.331	1218	1221	1226	rVV2	371652	699933	12.22%	0.709%
17	9.380	1226	1229	1238	rVB	147532	271660	4.74%	0.275%
18	9.514	1247	1251	1256	rVV2	44487	81165	1.42%	0.082%
19	9.605	1256	1266	1274	rVV	363545	753081	13.15%	0.763%
20	9.752	1282	1290	1300	rVB2	516874	1043802	18.23%	1.057%
21	9.892	1302	1313	1318	rBV2	307562	686949	11.99%	0.696%
22	9.941	1318	1321	1327	rVB	118238	198205	3.46%	0.201%
23	10.032	1329	1336	1340	rBV	224527	431571	7.54%	0.437%
24	10.075	1340	1343	1348	rVB2	172136	271752	4.75%	0.275%
25	10.124	1348	1351	1358	rVB	84760	153341	2.68%	0.155%
26	10.209	1359	1365	1367	rBV2	79875	151048	2.64%	0.153%
27	10.245	1367	1371	1376	rVB2	169772	297056	5.19%	0.301%
28	10.319	1376	1383	1396	rBV	1612254	3417190	59.67%	3.462%
29	10.447	1398	1404	1406	rBV	113073	193617	3.38%	0.196%
30	10.502	1406	1413	1420	rVB5	440315	1144990	19.99%	1.160%
31	10.581	1420	1426	1428	rBV	146124	252995	4.42%	0.256%
32	10.617	1428	1432	1435	rVB3	112690	139362	2.43%	0.141%
33	10.660	1435	1439	1447	rVB	591187	1042646	18.21%	1.056%
34	10.758	1447	1455	1461	rBV4	341965	828168	14.46%	0.839%
35	10.843	1465	1469	1474	rVB2	188946	310904	5.43%	0.315%
36	10.928	1474	1483	1490	rBV2	462498	1013644	17.70%	1.027%

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Title : SFAM01.0

37	11.032	1490	1500	1508	rBV3	309733	954563	16.67%	0.967%
38	11.105	1508	1512	1515	rBV2	217423	347509	6.07%	0.352%
39	11.142	1515	1518	1520	rVV2	115325	158561	2.77%	0.161%
40	11.178	1520	1524	1527	rVV	435180	668602	11.67%	0.677%
41	11.227	1527	1532	1538	rVB	981599	1725383	30.13%	1.748%
42	11.282	1538	1541	1544	rBV2	148013	199087	3.48%	0.202%
43	11.331	1544	1549	1554	rVB2	467991	764867	13.36%	0.775%
44	11.379	1554	1557	1561	rVB	149288	211791	3.70%	0.215%
45	11.434	1561	1566	1573	rVB	542513	982843	17.16%	0.996%
46	11.501	1573	1577	1581	rBV	112926	179465	3.13%	0.182%
47	11.550	1581	1585	1592	rBV4	92049	196610	3.43%	0.199%
48	11.629	1592	1598	1610	rBV	924176	1725417	30.13%	1.748%
49	11.721	1610	1613	1616	rBV2	83214	116570	2.04%	0.118%
50	11.763	1616	1620	1623	rBV	222357	320282	5.59%	0.324%
51	11.806	1623	1627	1632	rVB3	356351	687296	12.00%	0.696%
52	11.873	1632	1638	1641	rBV	546397	1016832	17.76%	1.030%
53	11.910	1641	1644	1649	rVB4	516718	918798	16.04%	0.931%
54	11.971	1649	1654	1661	rBV4	210745	457356	7.99%	0.463%
55	12.056	1661	1668	1673	rVB6	159890	428277	7.48%	0.434%
56	12.135	1674	1681	1687	rBV2	943966	2044218	35.69%	2.071%
57	12.245	1692	1699	1704	rVB2	783667	1545944	26.99%	1.566%
58	12.361	1704	1718	1725	rBV3	1662459	5726964	100.00%	5.802%
59	12.452	1730	1733	1735	rBV5	136614	201220	3.51%	0.204%
60	12.501	1738	1741	1745	rVB4	269520	362559	6.33%	0.367%
61	12.611	1753	1759	1764	rVB5	264935	531537	9.28%	0.538%
62	12.690	1766	1772	1777	rBV2	707131	1417791	24.76%	1.436%
63	12.776	1782	1786	1792	rVV3	989823	1883304	32.88%	1.908%
64	12.855	1792	1799	1804	rVV6	526141	1294927	22.61%	1.312%
65	12.928	1804	1811	1818	rVV6	1076834	3639635	63.55%	3.687%
66	12.989	1818	1821	1826	rVB2	584512	891977	15.58%	0.904%
67	13.074	1831	1835	1839	rBV2	507871	737859	12.88%	0.747%
68	13.123	1839	1843	1845	rBV2	435705	686641	11.99%	0.696%
69	13.160	1845	1849	1856	rVB	1954745	3064187	53.50%	3.104%
70	13.288	1862	1870	1875	rBV5	812001	1979472	34.56%	2.005%
71	13.342	1875	1879	1882	rVV	559124	785843	13.72%	0.796%
72	13.440	1887	1895	1899	rVV5	1090233	2628185	45.89%	2.662%
73	13.477	1899	1901	1906	rVB3	563211	740081	12.92%	0.750%
74	13.556	1910	1914	1917	rBV	455118	650617	11.36%	0.659%
75	13.690	1932	1936	1940	rBV3	456288	750347	13.10%	0.760%
76	13.873	1958	1966	1970	rBV3	1520106	3386357	59.13%	3.431%

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 Title : SFAM01.0

77	13.916	1970	1973	1978	rVB3	545084	792863	13.84%	0.803%
78	13.977	1979	1983	1986	rBV2	331439	491713	8.59%	0.498%
79	14.019	1986	1990	1994	rBV3	465340	968911	16.92%	0.982%
80	14.129	2004	2008	2013	rVB	1040114	1706090	29.79%	1.728%
81	14.196	2014	2019	2023	rBV2	480058	1041819	18.19%	1.055%
82	14.257	2025	2029	2035	rVV4	691933	1342366	23.44%	1.360%
83	14.312	2035	2038	2041	rVV3	278949	362050	6.32%	0.367%
84	14.379	2042	2049	2054	rVV3	1530905	2892912	50.51%	2.931%
85	14.543	2071	2076	2082	rVB5	827272	1361065	23.77%	1.379%
86	14.653	2091	2094	2098	rVB	272601	322033	5.62%	0.326%
87	14.732	2104	2107	2110	rBV3	359850	565260	9.87%	0.573%
88	14.793	2113	2117	2120	rVV2	690621	1108931	19.36%	1.123%
89	14.836	2120	2124	2130	rVB2	1425858	2589582	45.22%	2.623%
90	14.921	2134	2138	2143	rVV5	340625	610573	10.66%	0.619%
91	15.049	2155	2159	2164	rVB5	605451	1091263	19.05%	1.105%
92	15.232	2186	2189	2191	rBV3	302532	431877	7.54%	0.438%
93	15.318	2198	2203	2210	rVB	1869552	2997592	52.34%	3.037%
94	15.391	2211	2215	2219	rBV4	263015	598657	10.45%	0.606%
95	15.574	2239	2245	2249	rBV6	461805	1101363	19.23%	1.116%
96	15.623	2250	2253	2255	rBV2	265882	357192	6.24%	0.362%
97	15.720	2265	2269	2277	rVB4	879004	1749096	30.54%	1.772%
98	16.202	2346	2348	2354	rVB2	374884	572332	9.99%	0.580%
99	16.275	2355	2360	2368	rVB	1037898	1920192	33.53%	1.945%
100	16.531	2398	2402	2407	rVB2	253641	420759	7.35%	0.426%

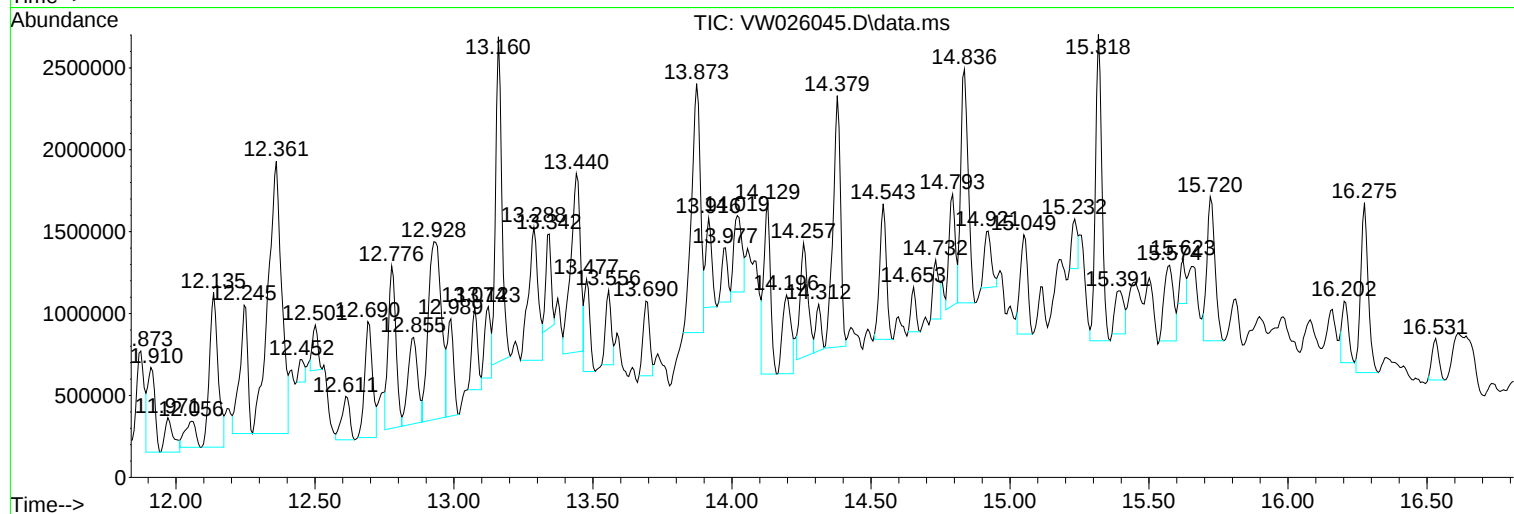
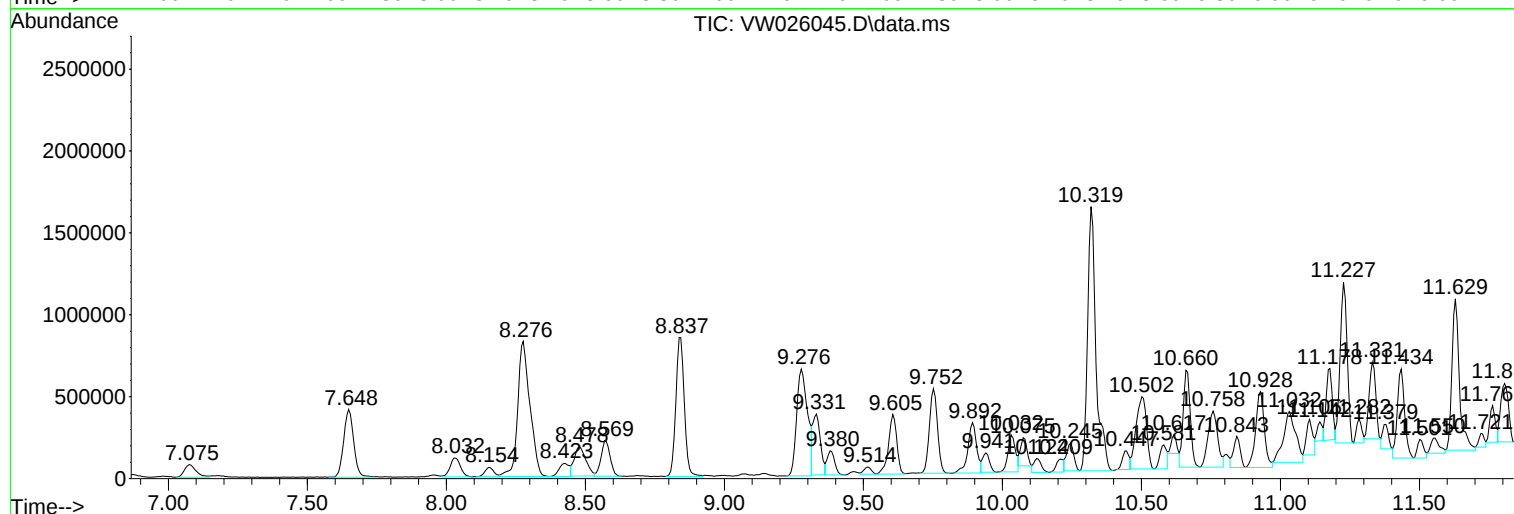
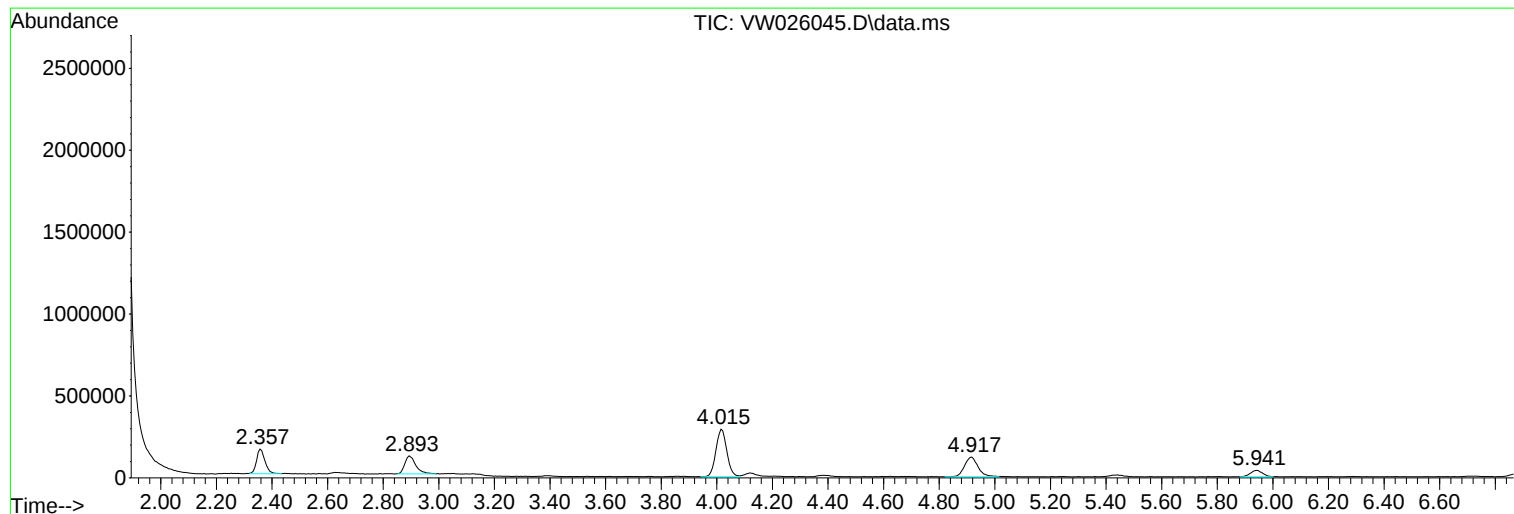
Sum of corrected areas: 98712583

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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



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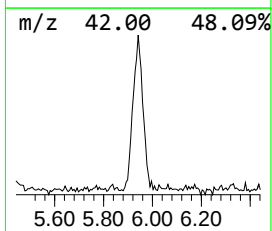
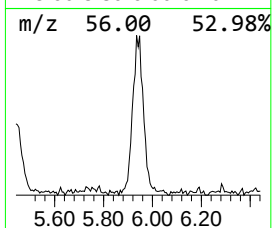
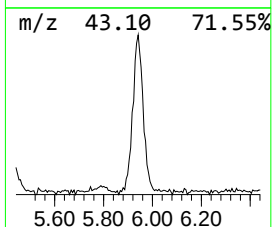
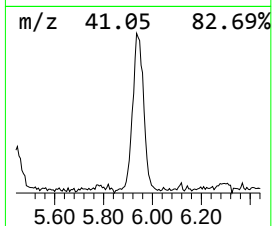
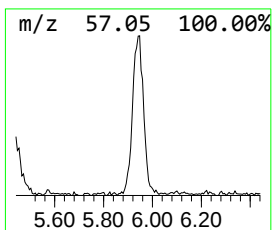
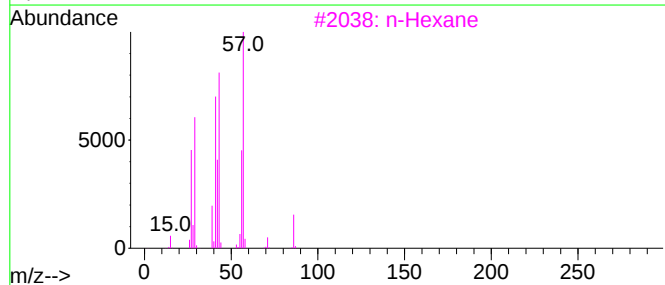
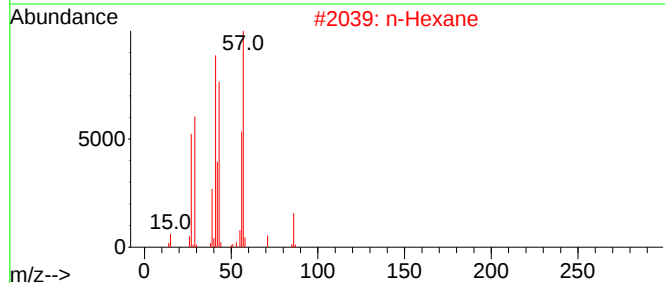
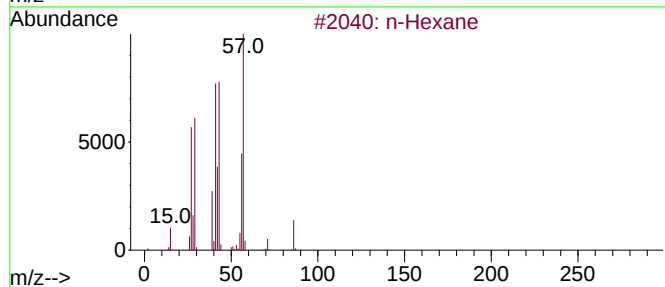
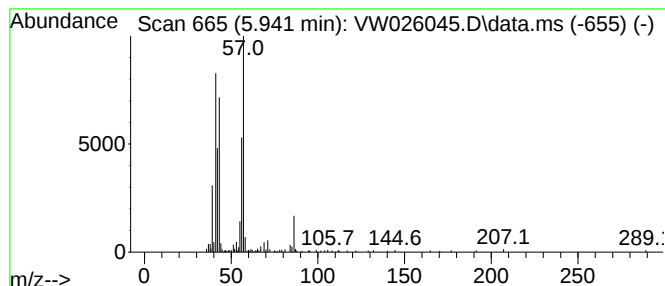
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.70 ug/L	121194	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane			86	C6H14	000110-54-3	90
2	n-Hexane			86	C6H14	000110-54-3	90
3	n-Hexane			86	C6H14	000110-54-3	86
4	n-Hexane			86	C6H14	000110-54-3	52
5	Butane, 1-chloro-2-methyl-			106	C5H11Cl	000616-13-7	47



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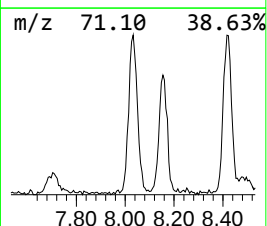
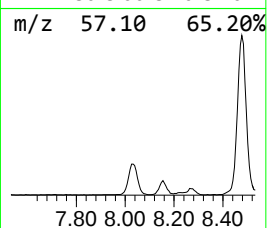
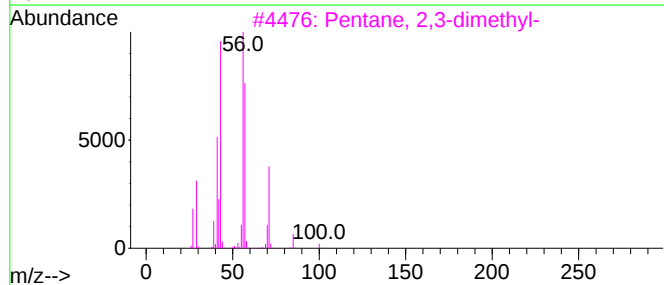
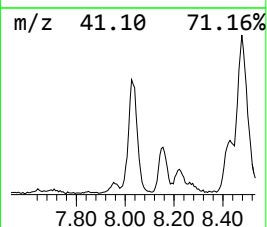
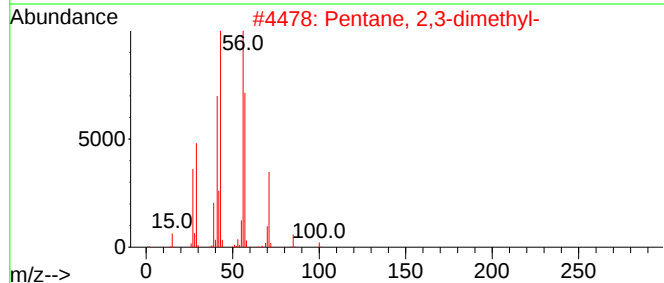
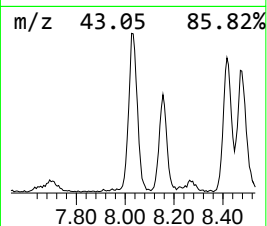
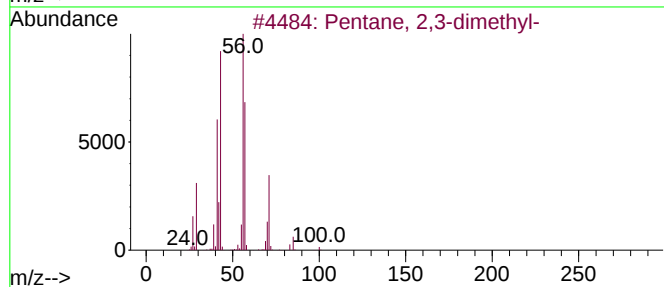
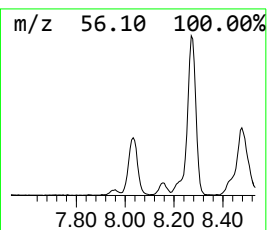
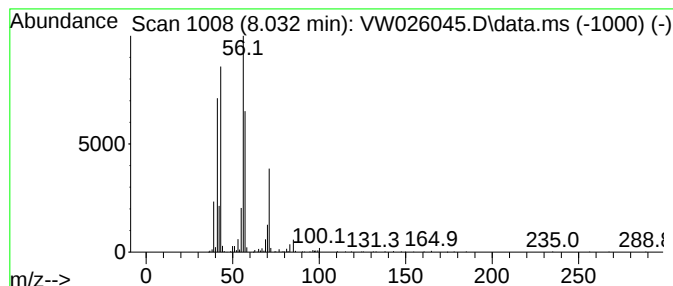
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	4.15 ug/L	296476	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	50



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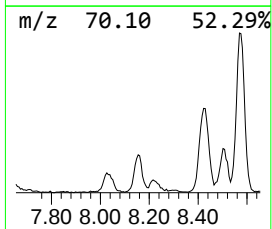
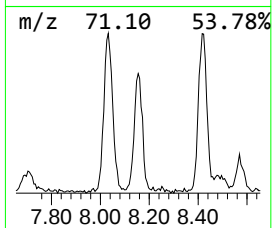
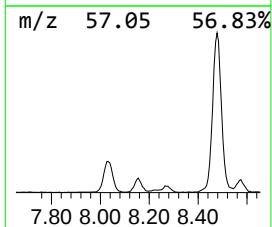
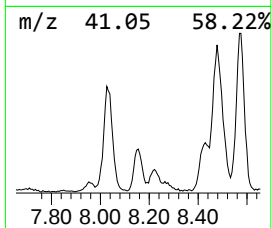
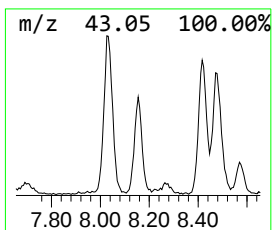
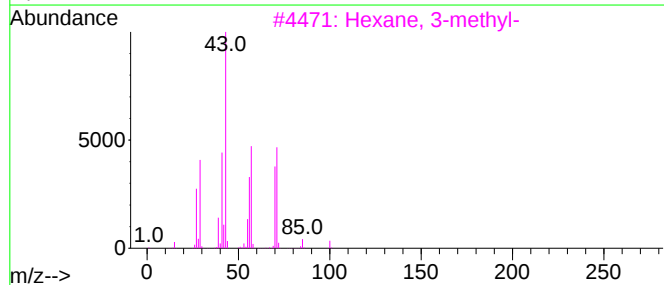
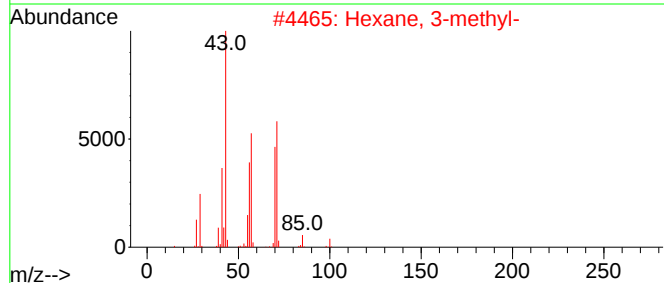
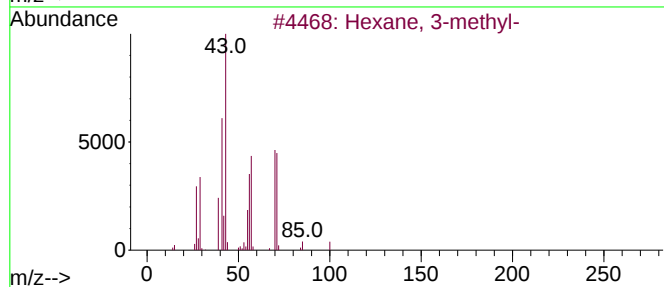
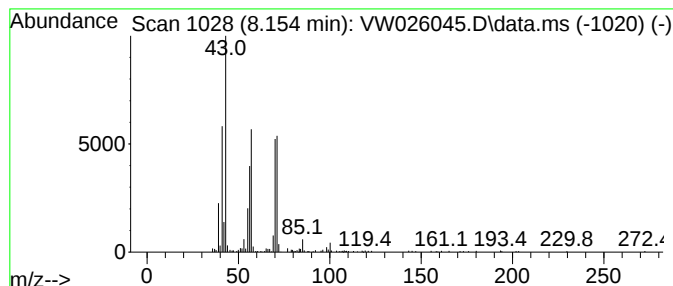
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	1.81 ug/L	129276	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-			100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-			100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-			100	C7H16	000589-34-4	91
4	Heptane			100	C7H16	000142-82-5	64
5	Isobutyl isopentyl carbonate			188	C10H20O3	1000372-76-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

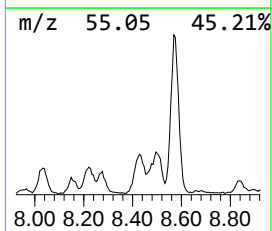
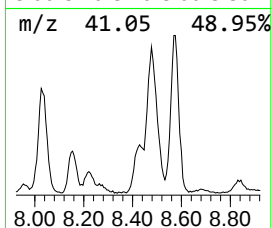
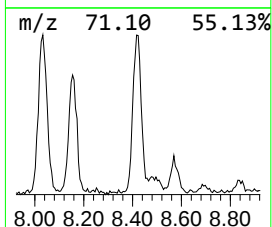
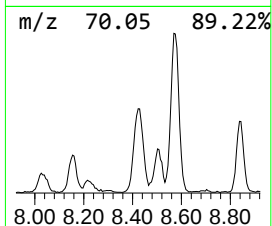
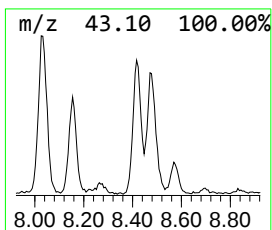
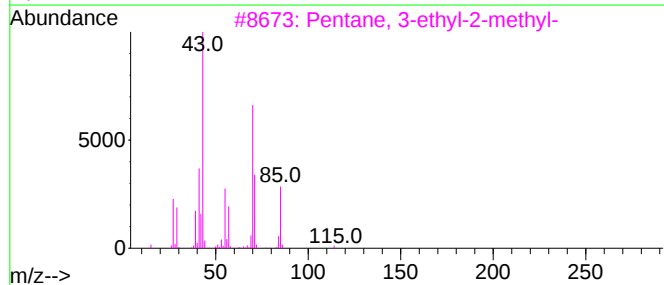
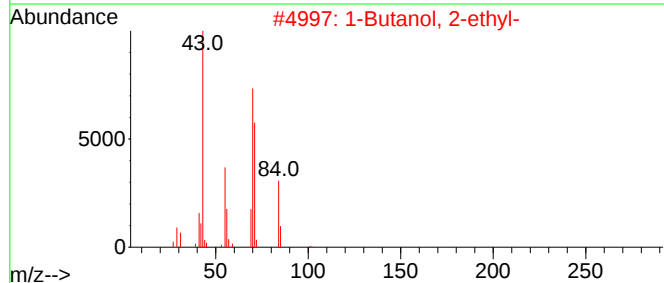
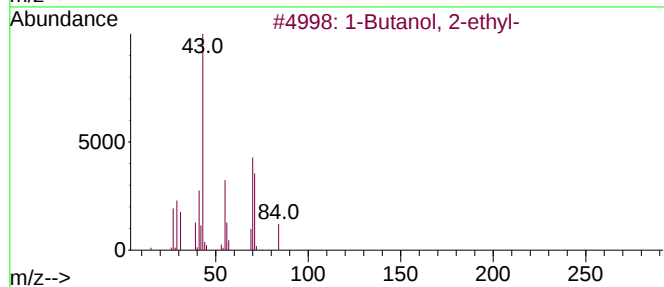
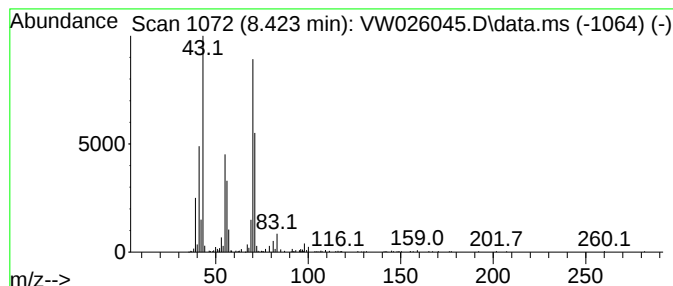
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Quant Title : SFAM01.0

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

Peak Number 4 1-Butanol, 2-ethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.423	3.03 ug/L	216184	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-			102	C6H14O	000097-95-0	78
2	1-Butanol, 2-ethyl-			102	C6H14O	000097-95-0	78
3	Pentane, 3-ethyl-2-methyl-			114	C8H18	000609-26-7	72
4	2,4-Dimethyl-1-heptene			126	C9H18	019549-87-2	64
5	Propanoic acid, 2-methyl-, 3-met...			158	C9H18O2	002050-01-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

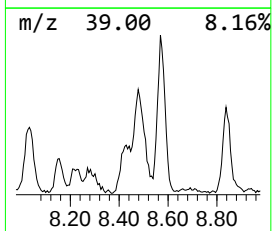
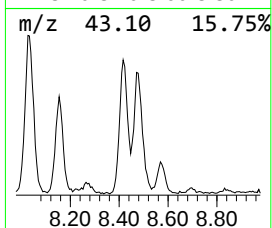
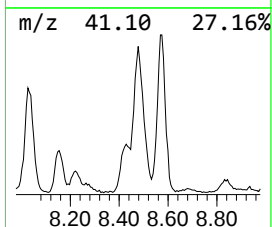
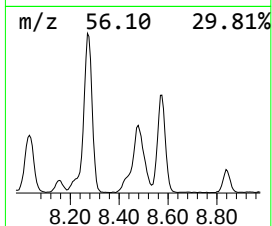
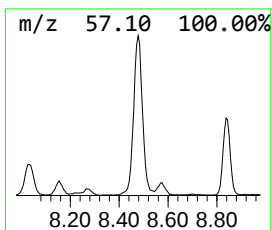
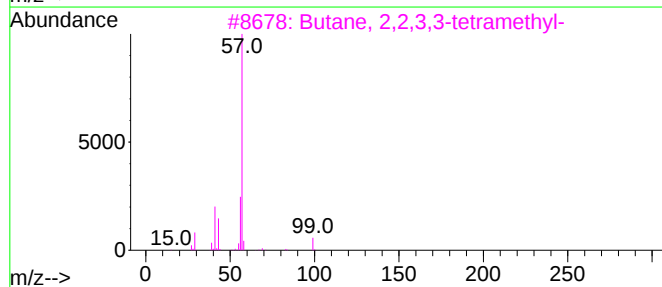
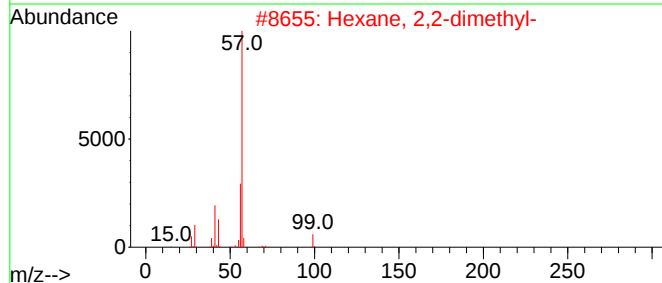
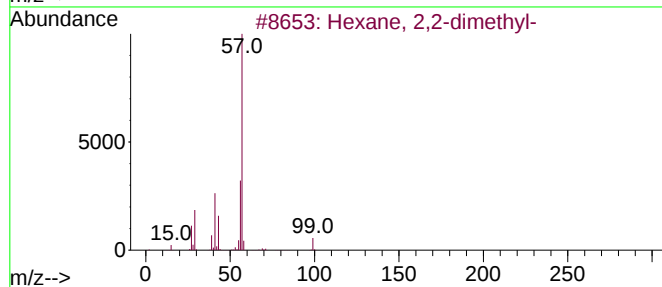
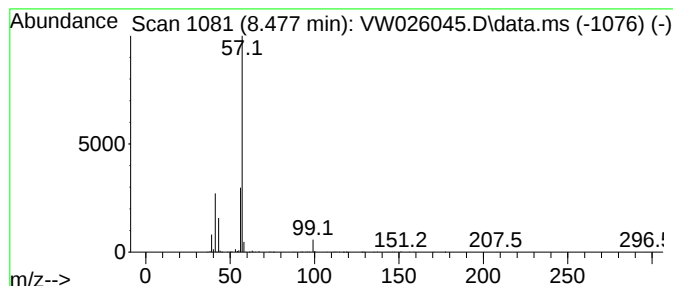
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.477	7.16 ug/L	511100	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

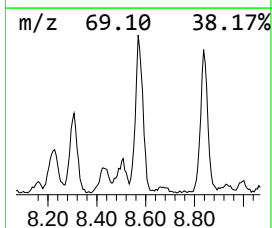
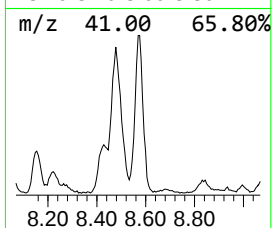
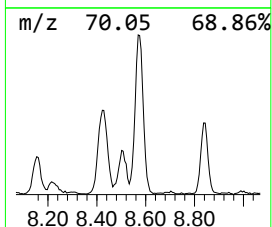
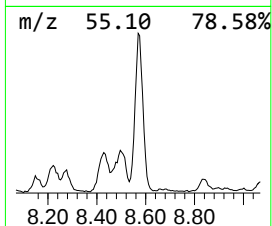
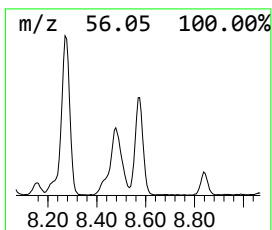
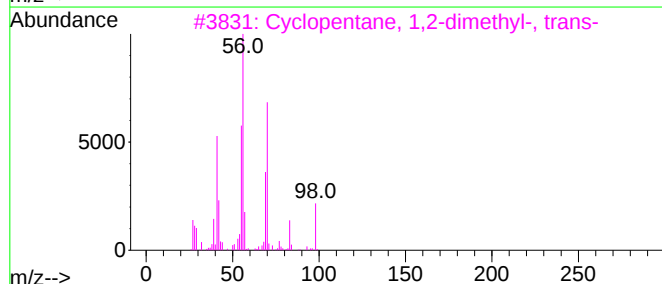
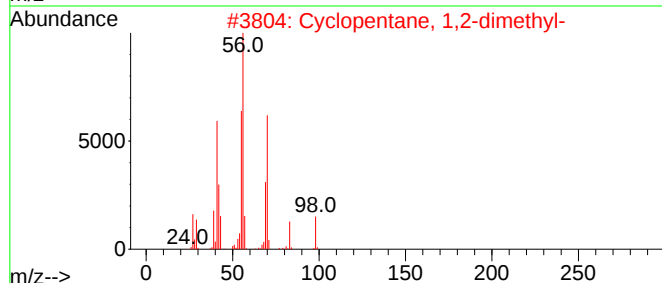
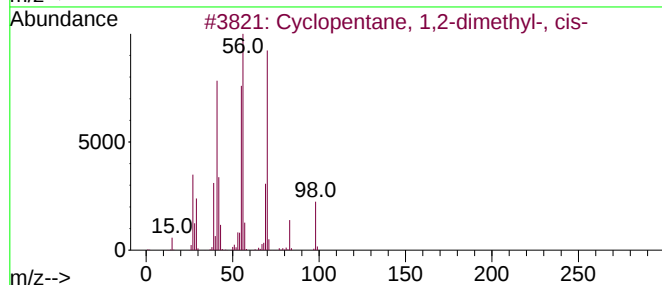
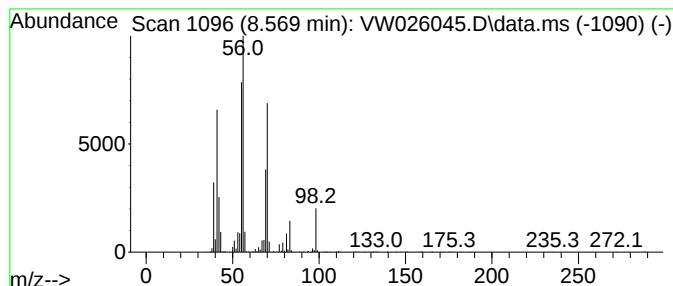
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.569 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.569	6.85 ug/L	488506	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
2			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4			1-Heptene	98	C7H14	000592-76-7	91
5			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

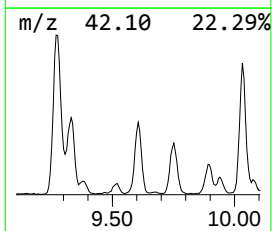
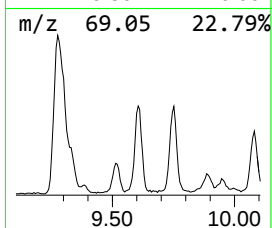
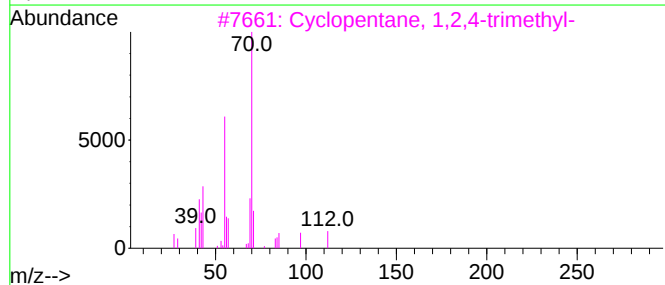
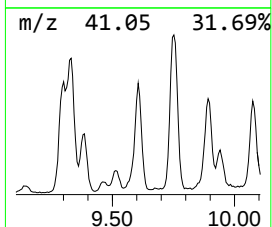
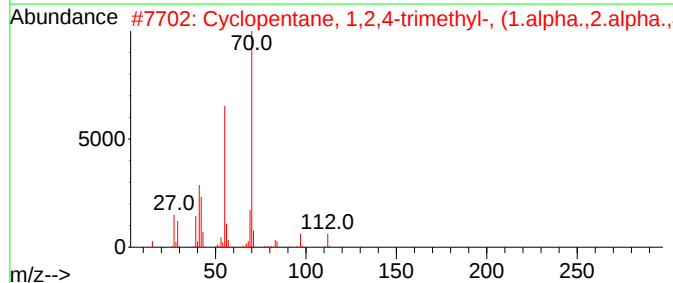
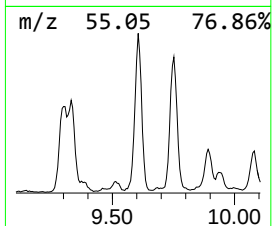
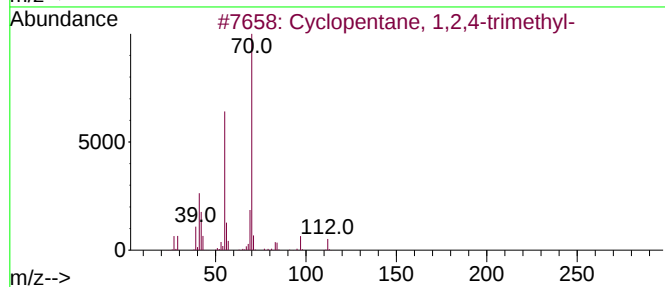
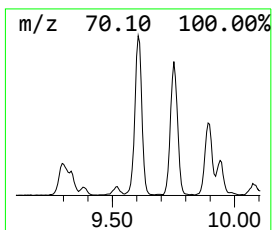
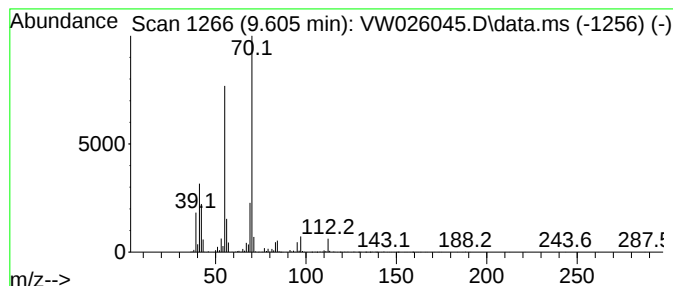
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic9.605 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	10.55 ug/L	753081	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
4			Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

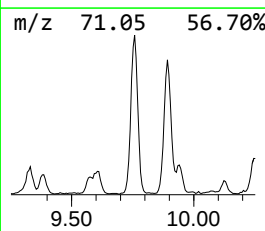
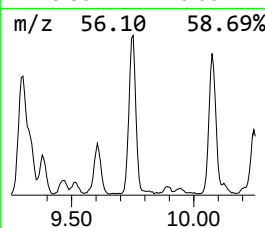
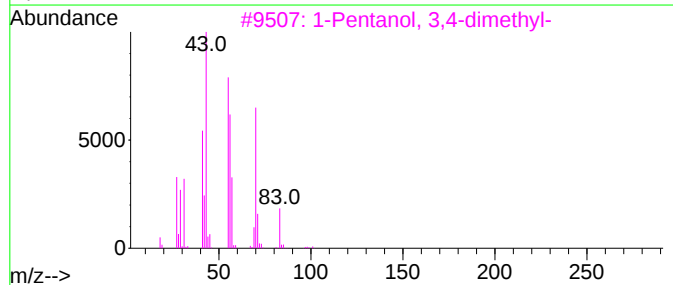
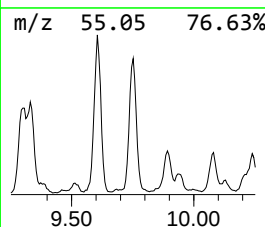
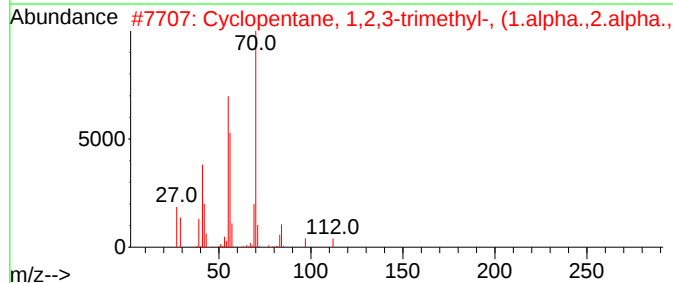
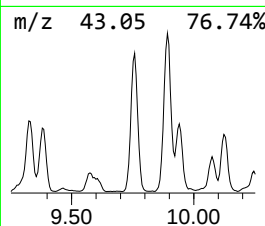
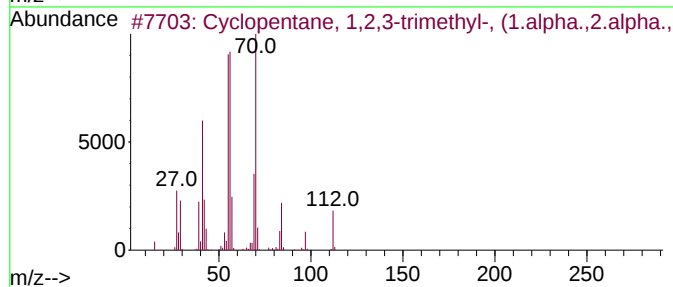
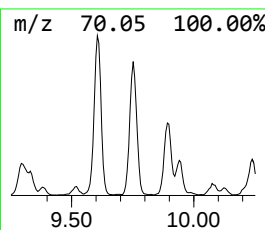
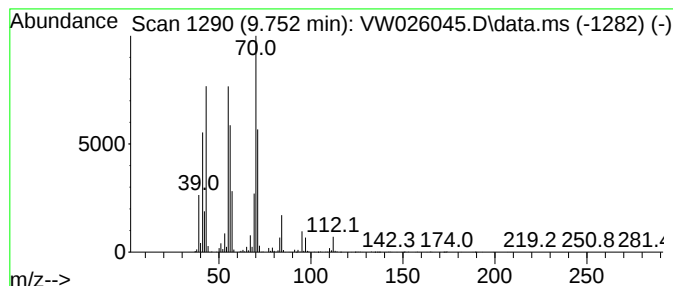
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic9.752 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	14.63 ug/L	1043800	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	70
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	68
3			1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	59
4			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	58
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

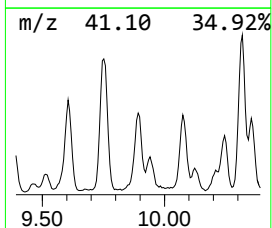
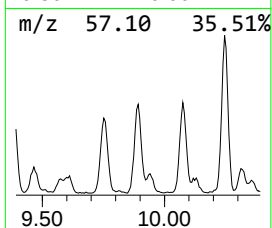
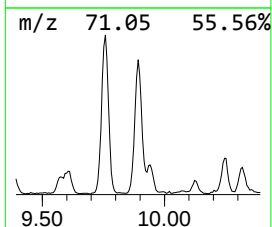
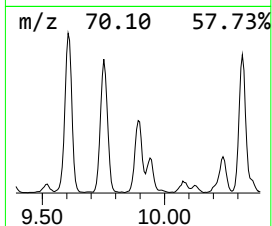
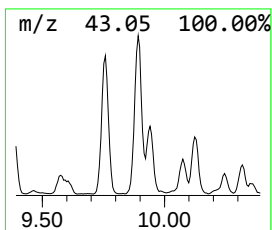
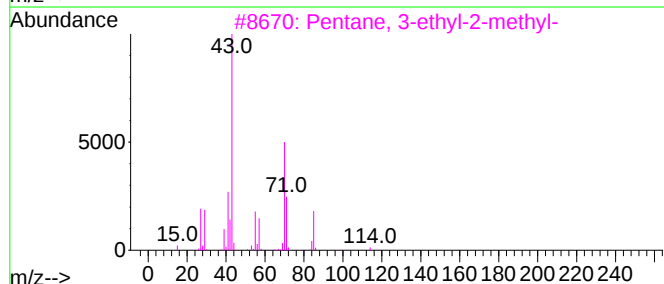
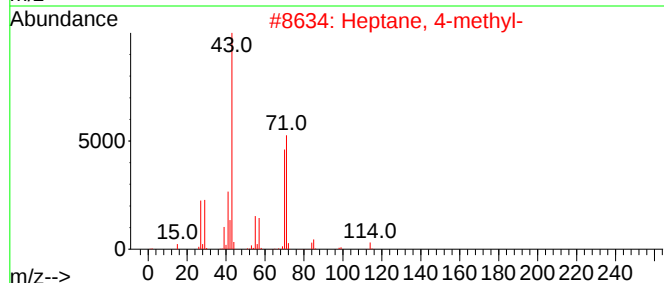
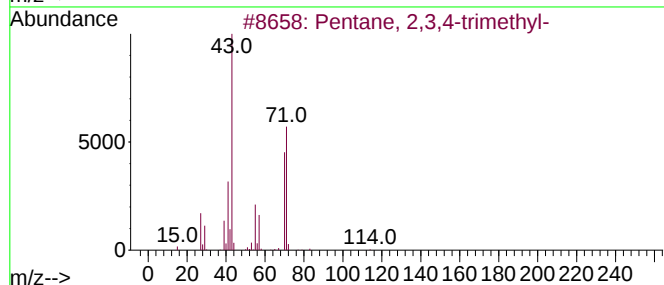
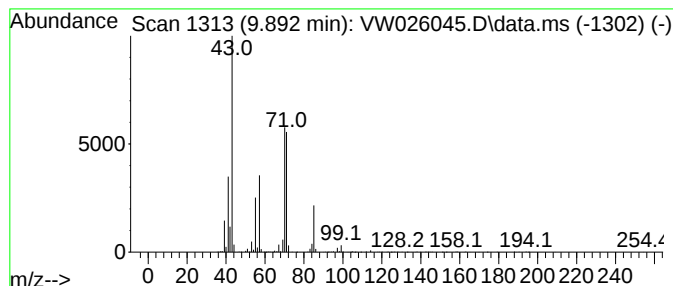
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	9.63 ug/L	686949	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	76
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
4			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

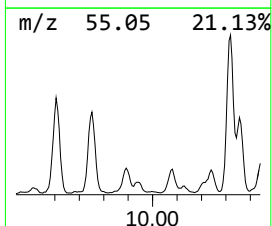
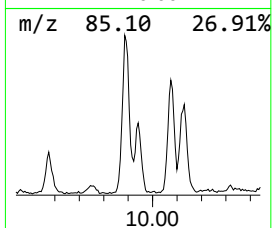
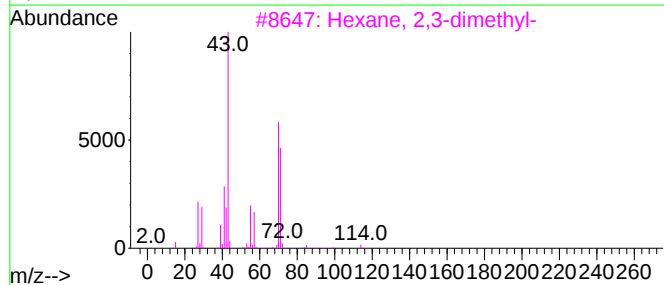
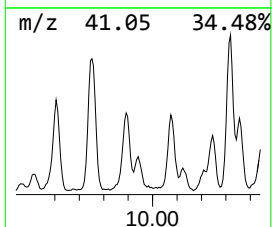
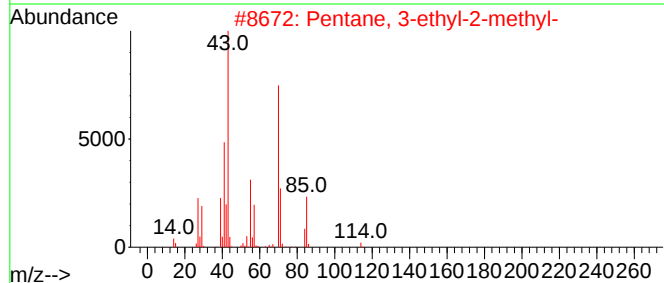
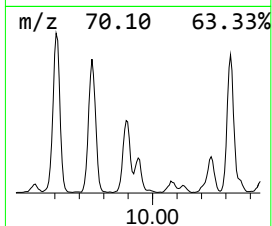
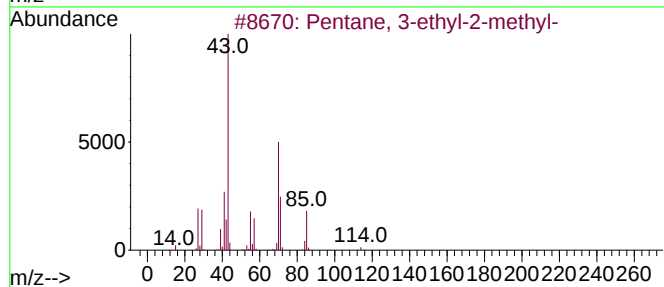
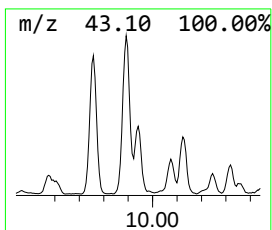
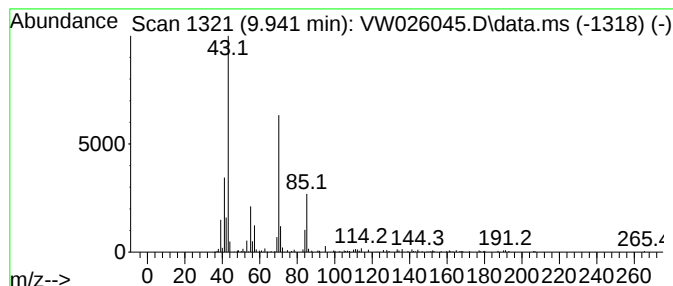
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.941	2.78 ug/L	198205	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
2		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	62
3		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	52
4		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

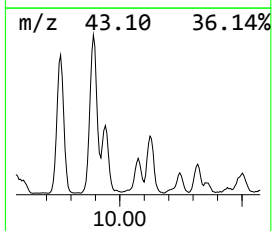
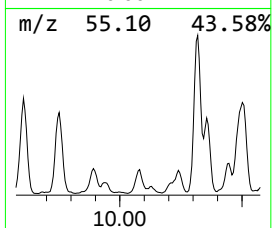
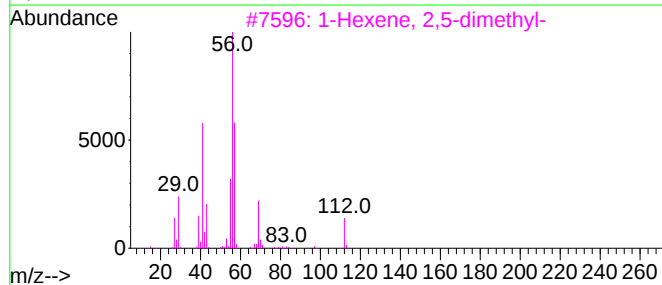
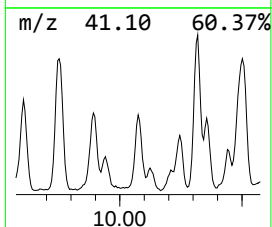
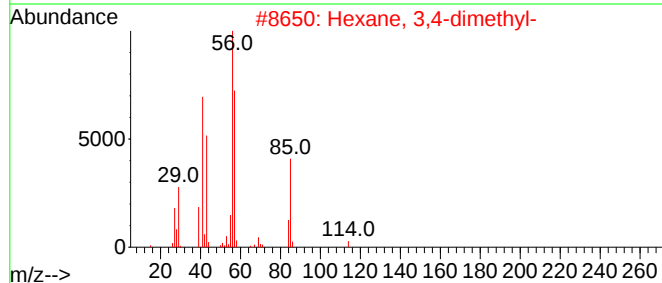
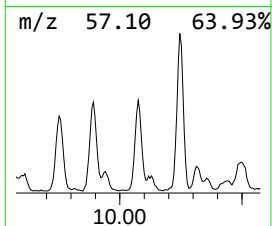
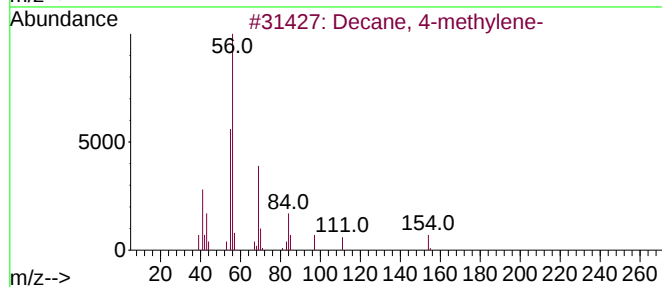
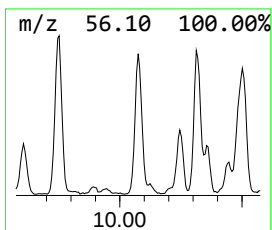
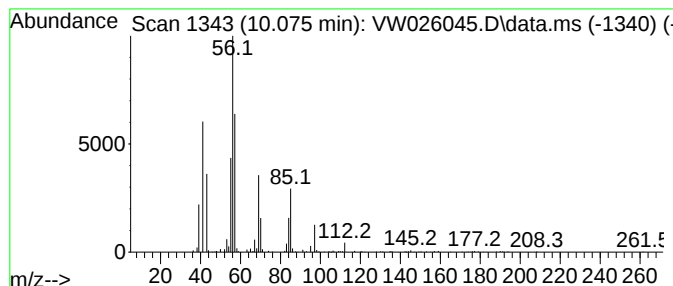
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.075	3.81 ug/L	271752	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methylene-	154	C11H22	024949-41-5	64
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	59
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	50
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

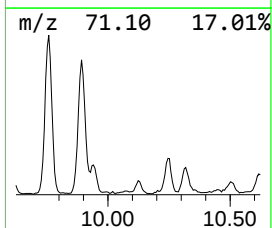
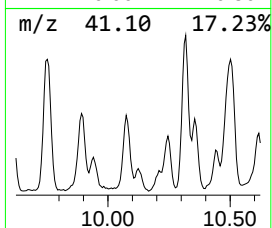
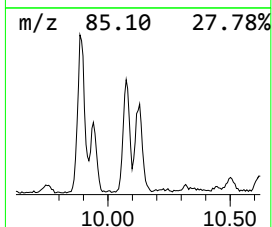
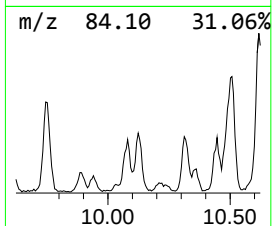
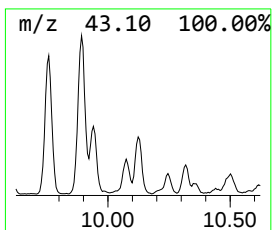
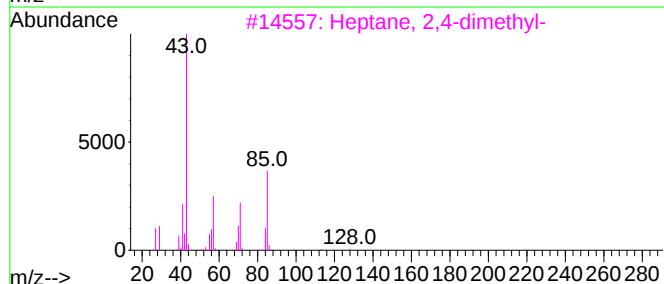
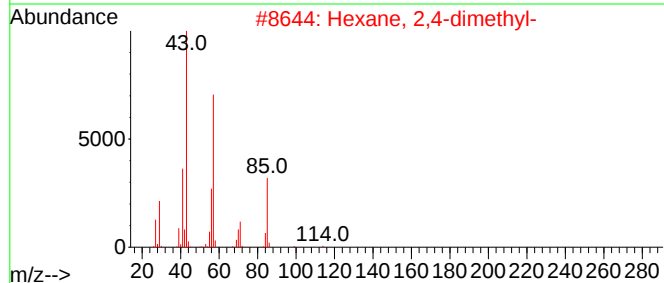
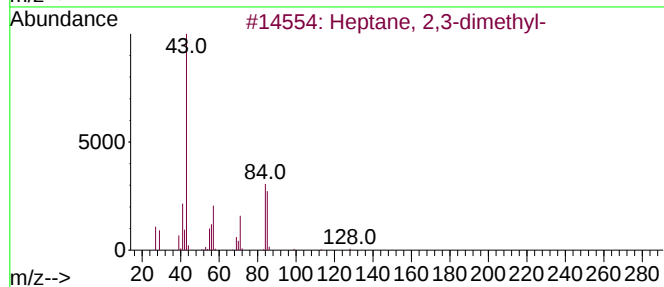
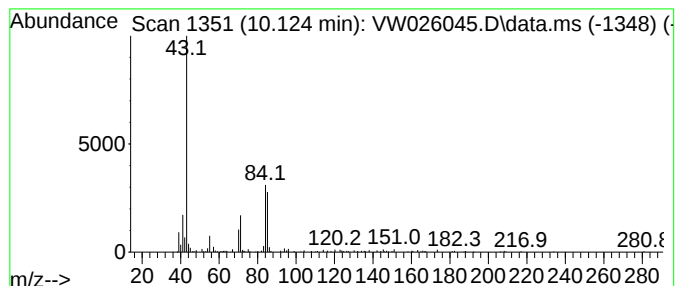
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.124	2.15 ug/L	153341	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	59
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	50
5	Octane, 4-methyl-	128	C9H20	002216-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

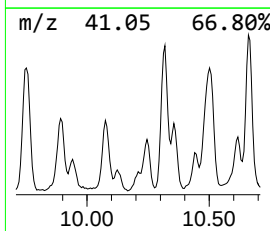
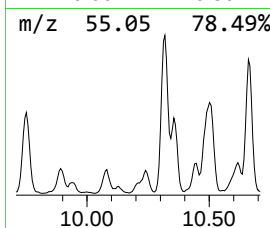
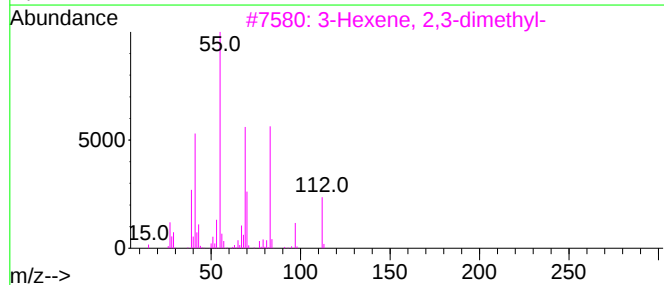
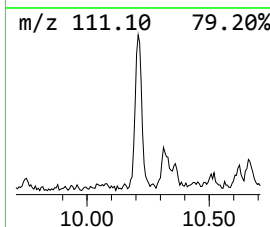
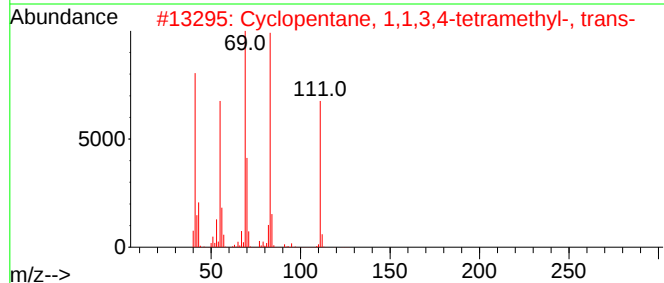
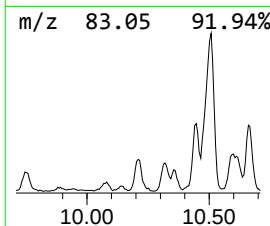
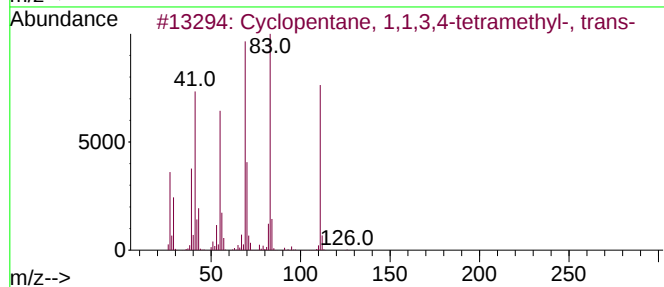
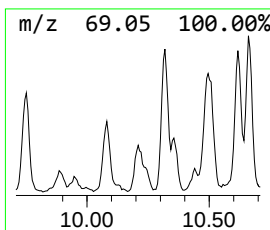
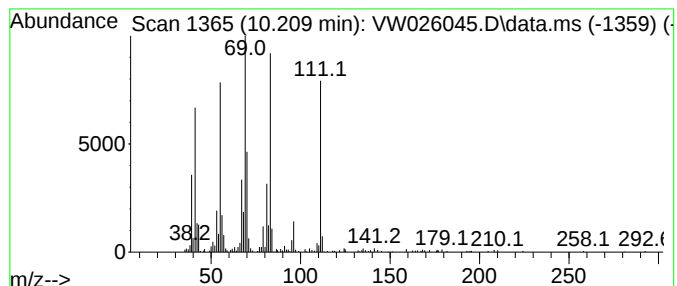
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic10.209 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.209	2.12 ug/L	151048	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	80
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	52
3			3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	50
4			t-Butyl cyclohexaneperoxycarboxy...	200	C11H20O3	020396-49-0	38
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

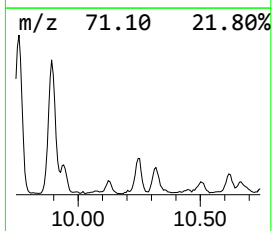
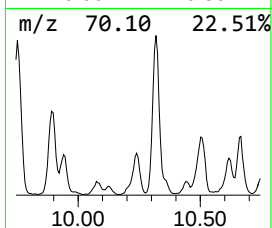
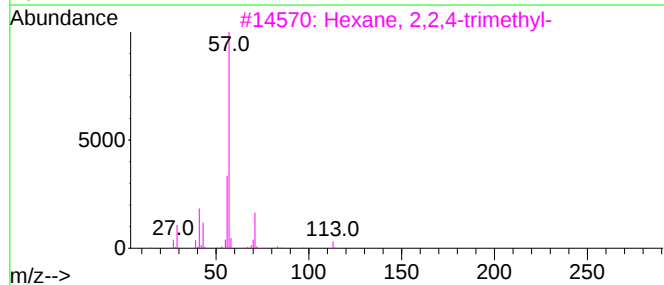
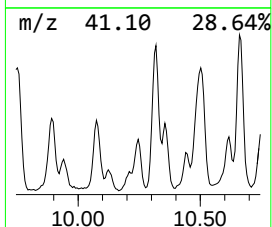
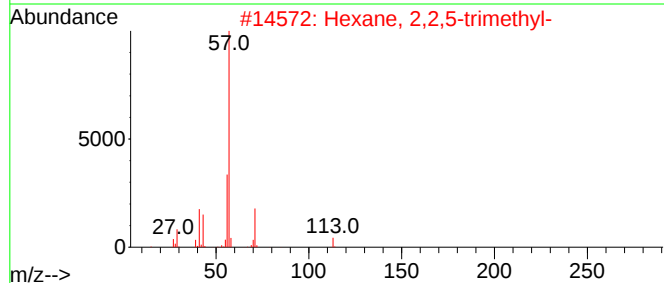
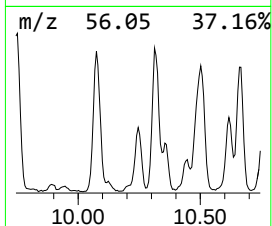
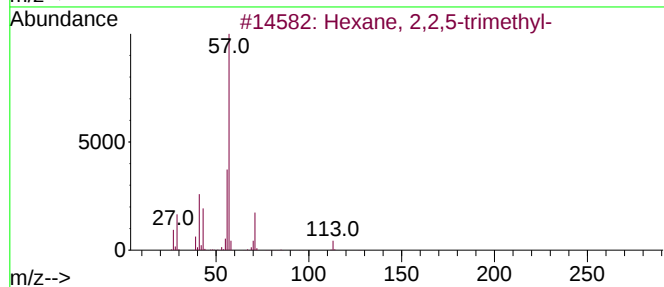
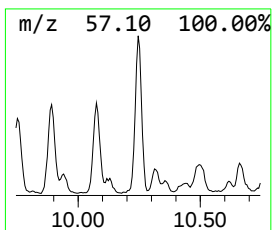
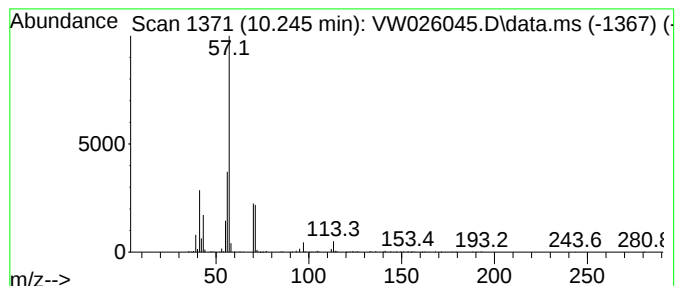
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.246	4.30 ug/L	297056	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	53
4			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	50
5			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

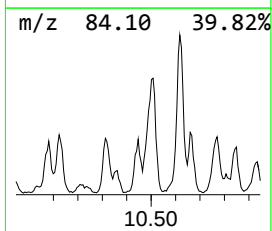
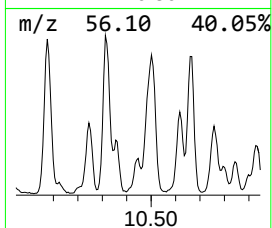
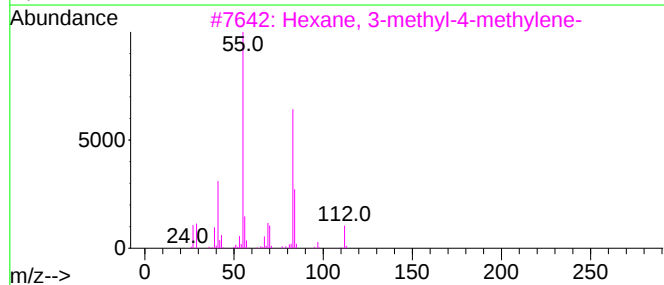
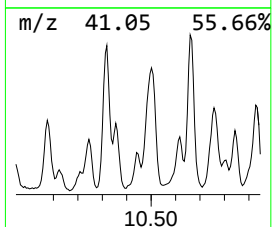
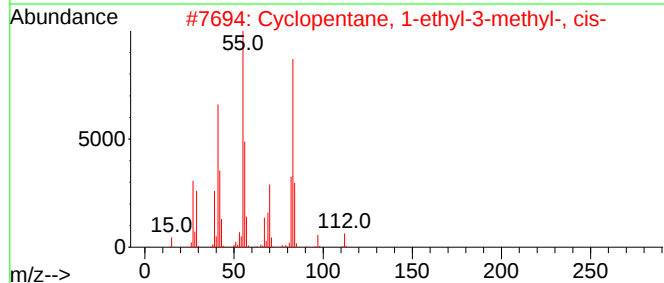
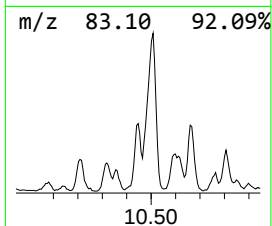
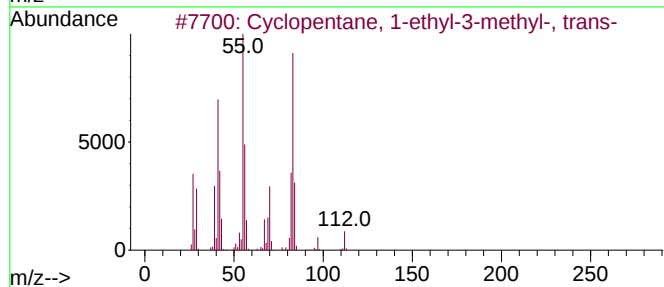
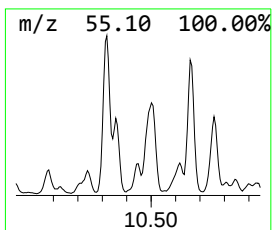
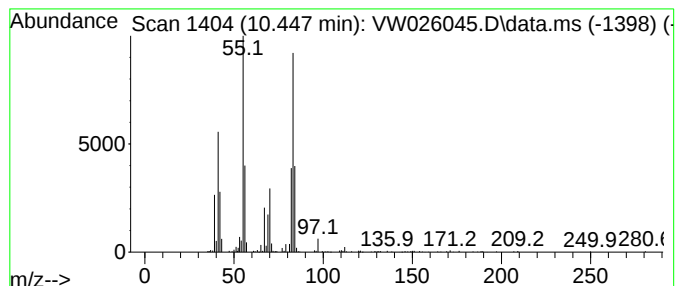
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.447 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.447	2.81 ug/L	193617	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	91
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	87
3			Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	47
4			5-Methyl-1-heptanol	130	C8H18O	007212-53-5	43
5			2-Octene, (Z)-	112	C8H16	007642-04-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

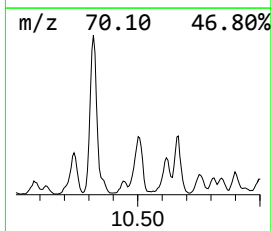
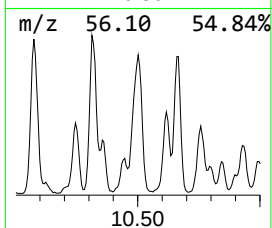
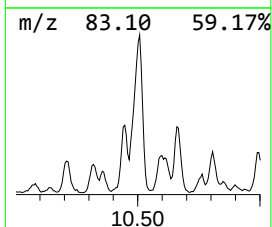
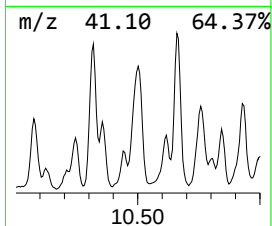
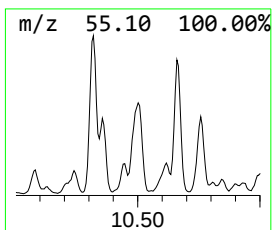
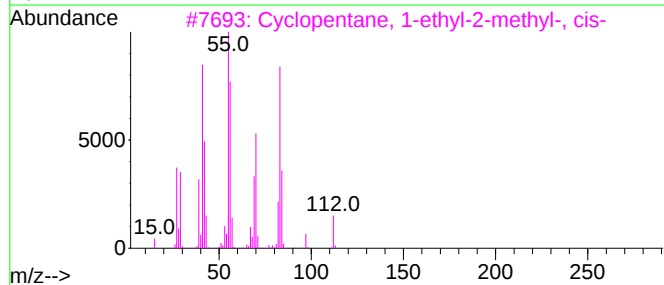
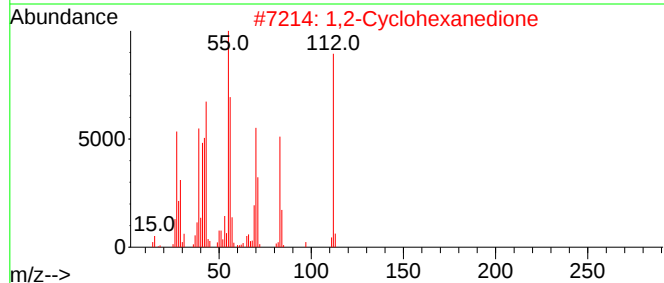
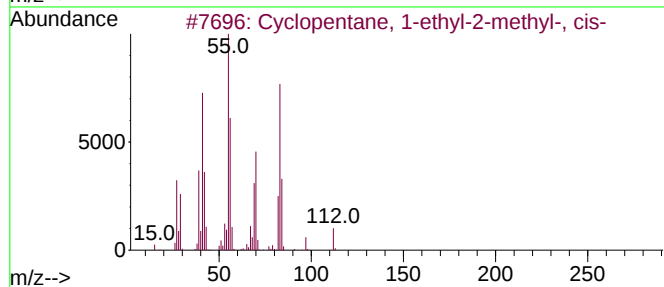
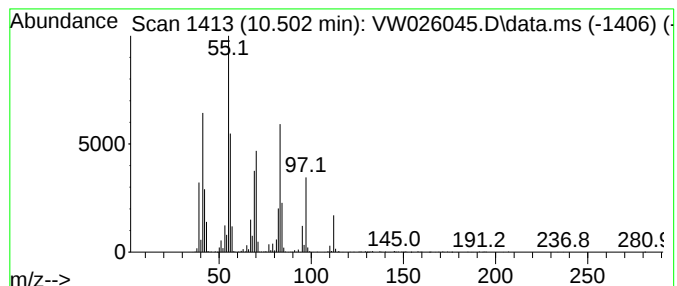
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic10.502 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	16.59 ug/L	1144990	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
2			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	76
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
4			4-Octene, (Z)-	112	C8H16	007642-15-1	64
5			Cyclooctane	112	C8H16	000292-64-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

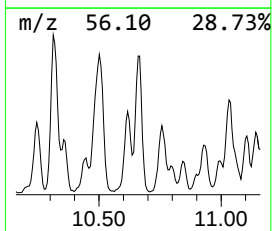
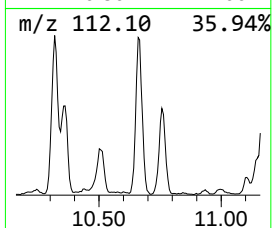
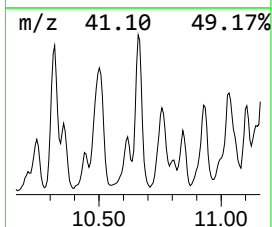
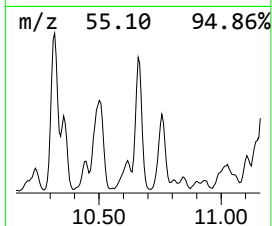
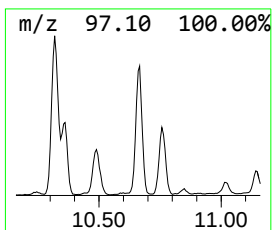
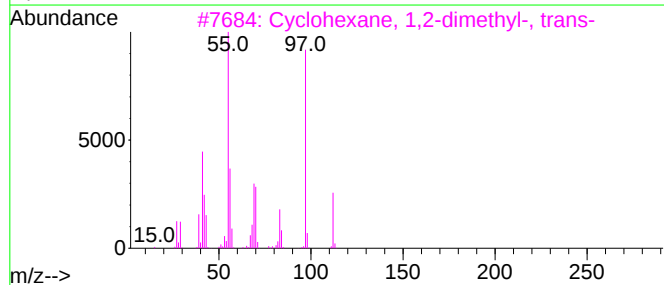
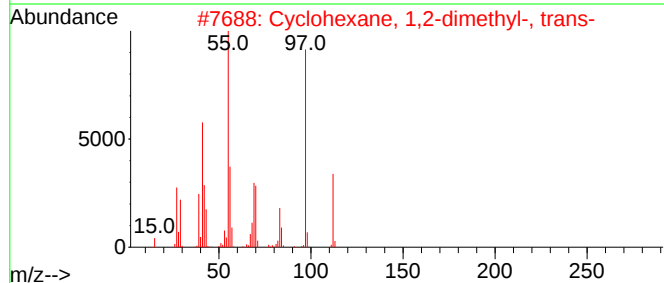
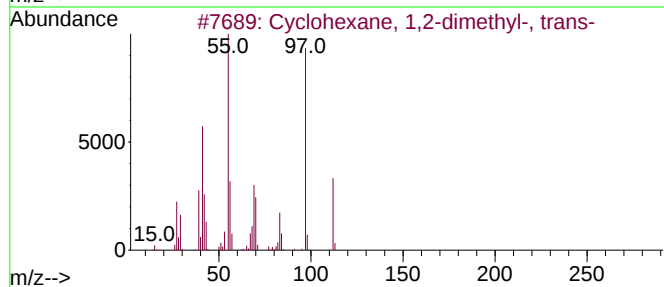
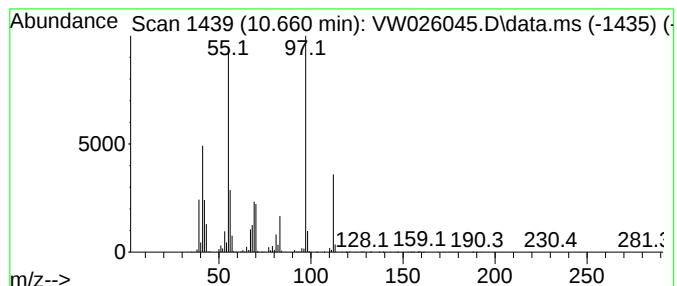
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.660 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.660	15.11 ug/L	1042650	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4			Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	90
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

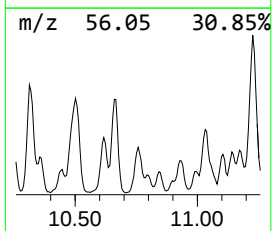
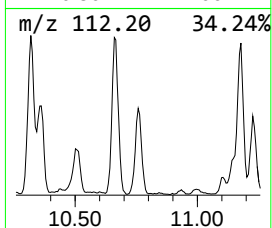
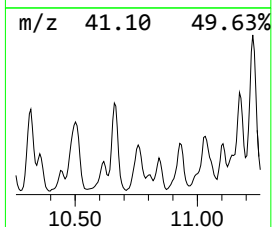
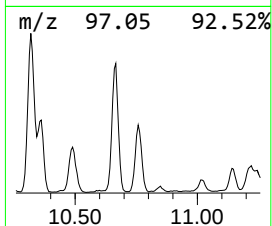
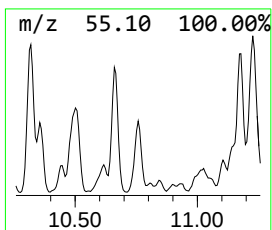
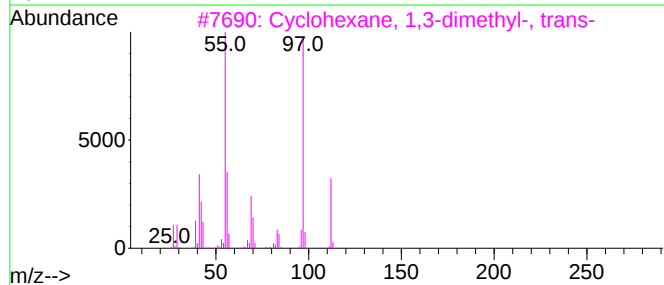
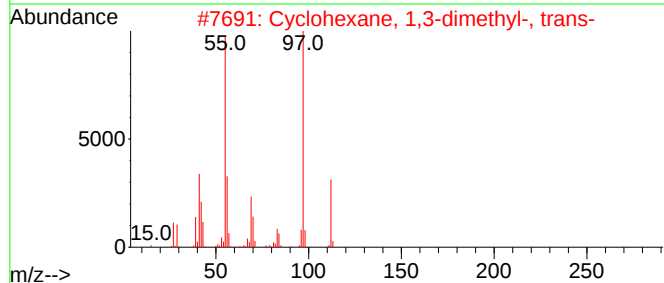
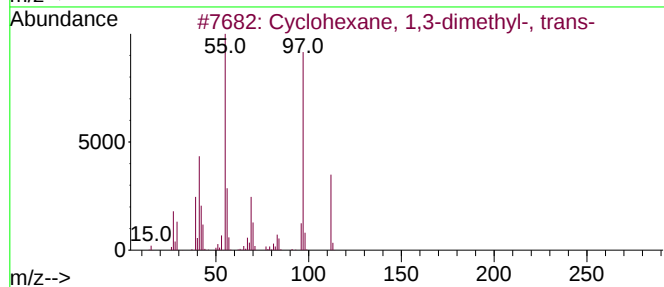
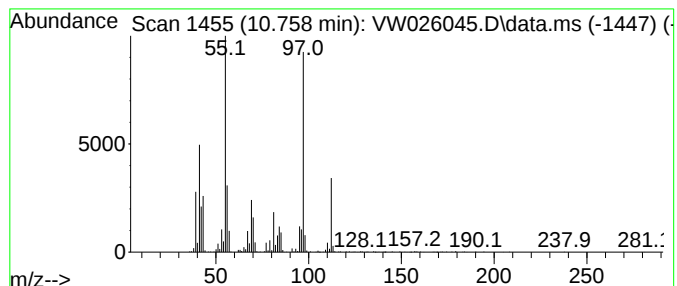
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.758 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	12.00 ug/L	828168	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

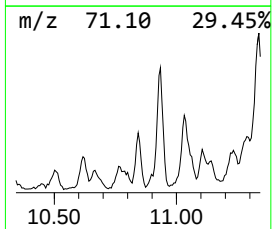
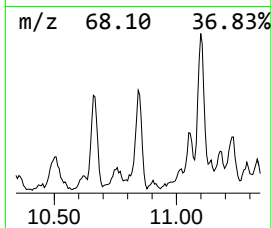
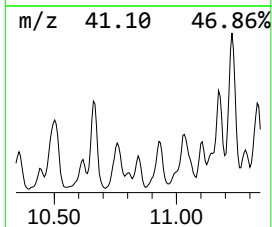
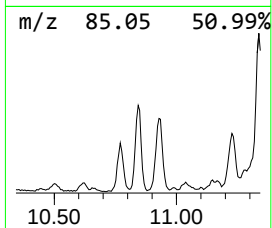
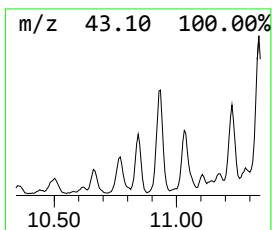
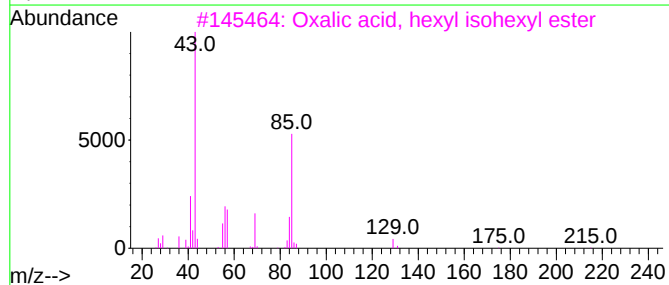
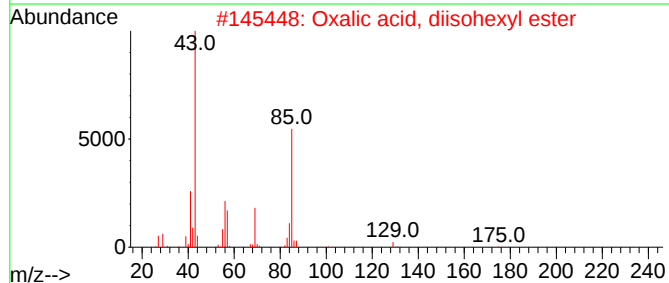
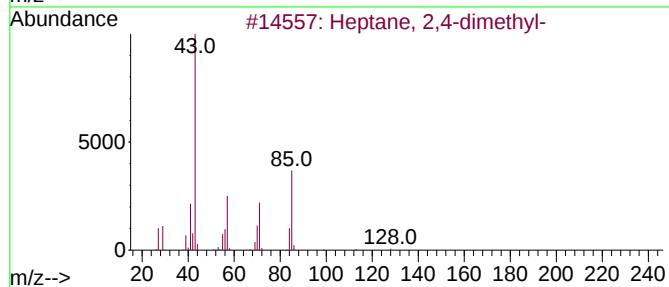
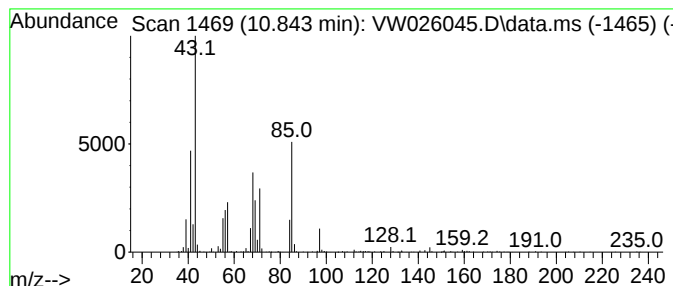
Instrument :
MSVOA_W
ClientSampleId :
EW997

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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.843	4.50 ug/L	310904	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
2	Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	50
3	Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1010309-33-0	47
4	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	47
5	Di(n-hexyl)sulfone	234	C12H26O2S	016823-61-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

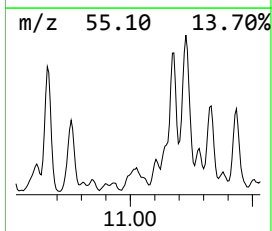
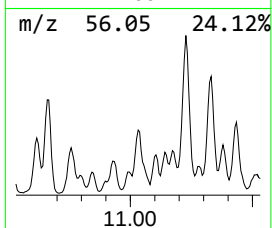
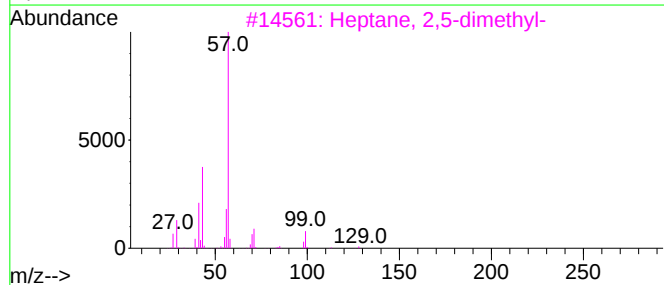
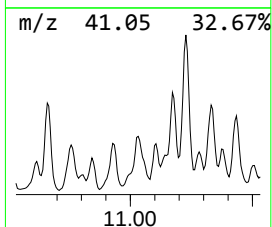
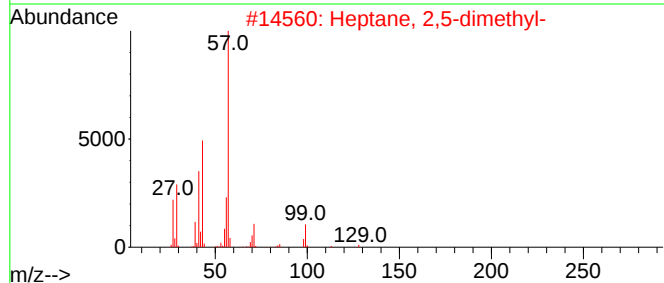
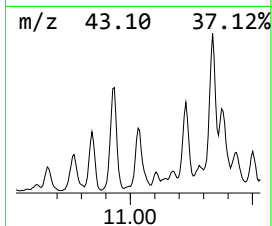
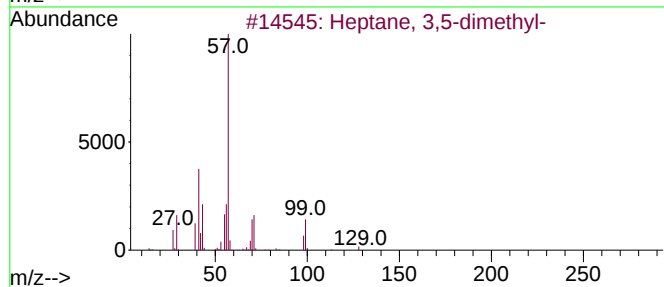
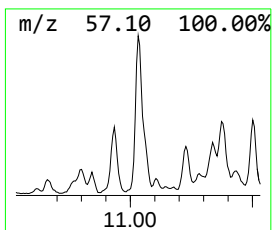
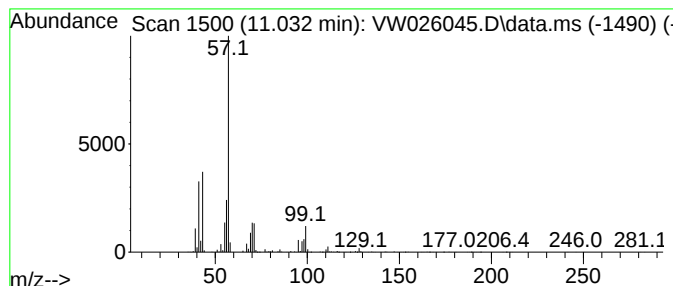
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	13.83 ug/L	954563	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

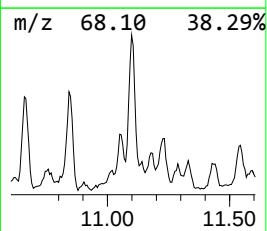
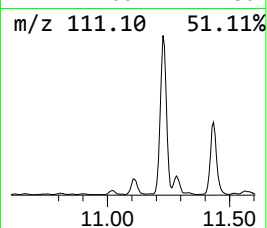
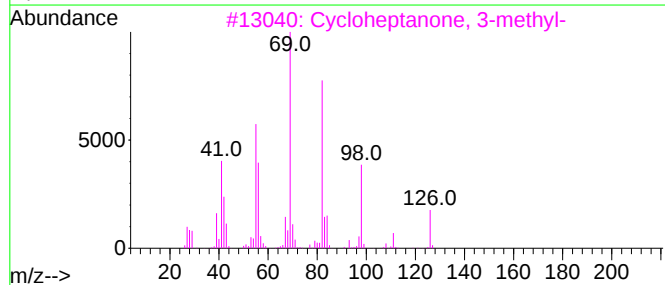
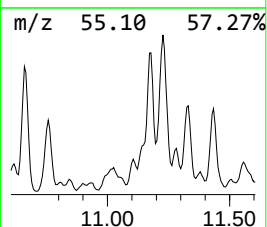
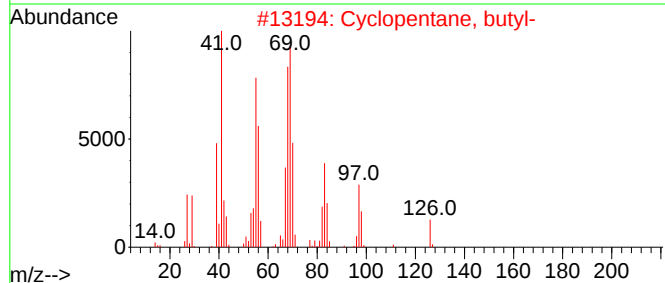
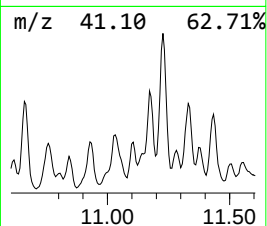
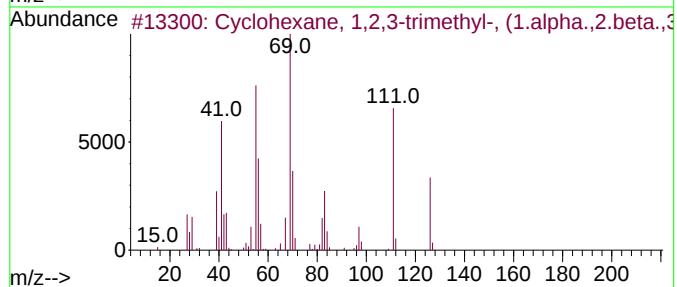
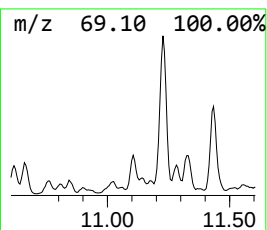
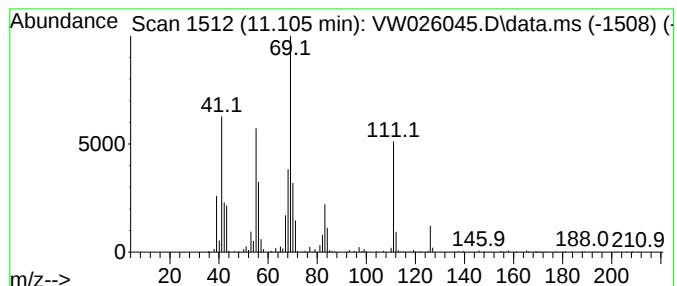
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.105 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	5.04 ug/L	347509	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	68
2			Cyclopentane, butyl-	126	C9H18	002040-95-1	50
3			Cycloheptanone, 3-methyl-	126	C8H14O	000933-17-5	49
4			Cyclopentane, propyl-	112	C8H16	002040-96-2	45
5			Cyclopentane, propyl-	112	C8H16	002040-96-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

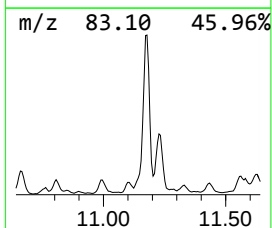
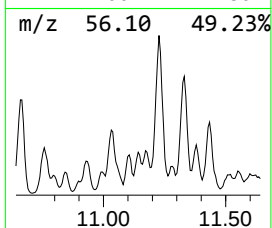
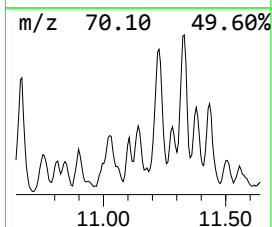
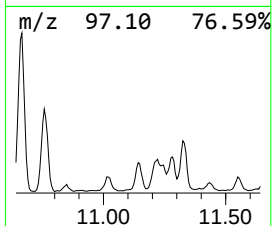
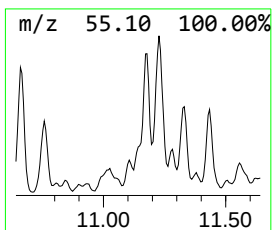
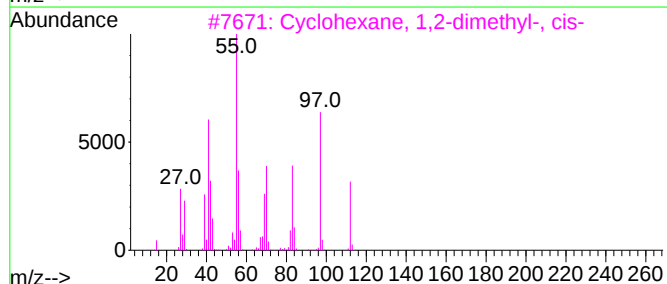
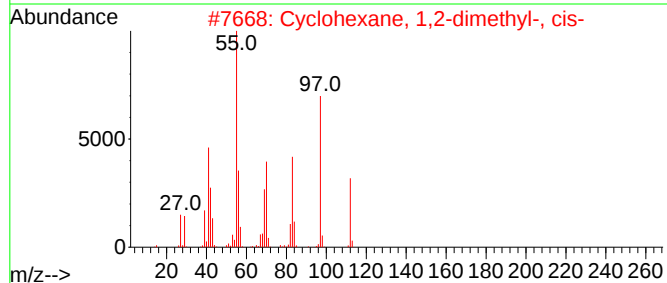
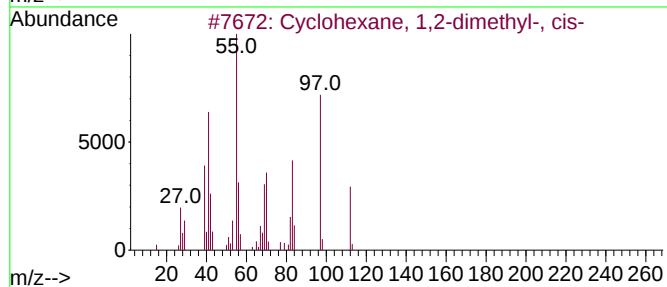
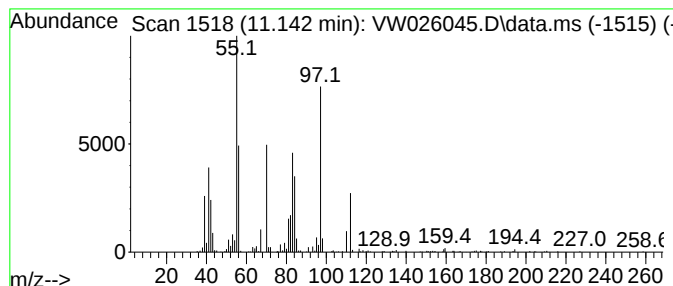
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.142 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.142	2.30 ug/L	158561	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	86
4		1-Hexadecanol	242	C16H34O	036653-82-4	72
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

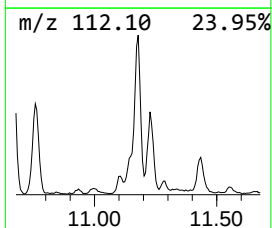
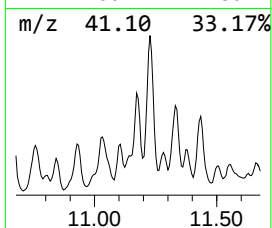
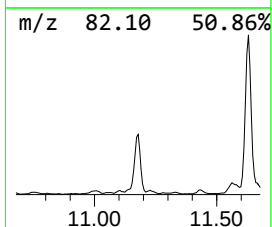
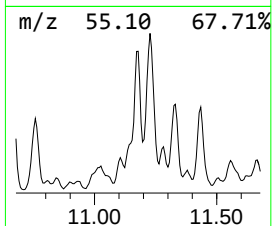
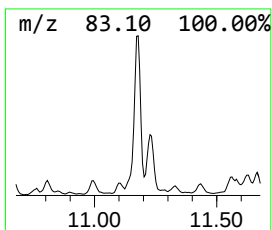
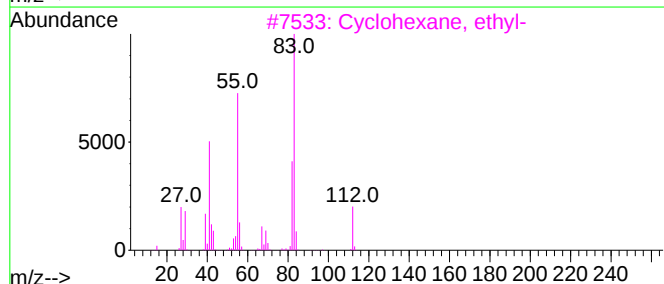
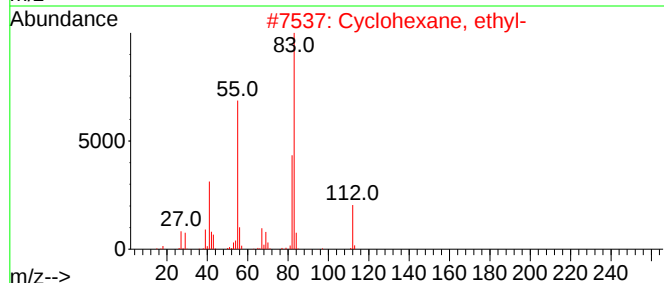
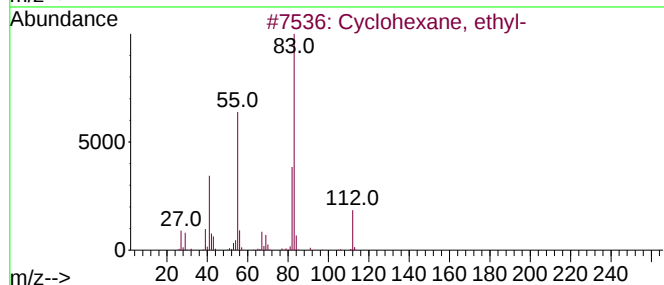
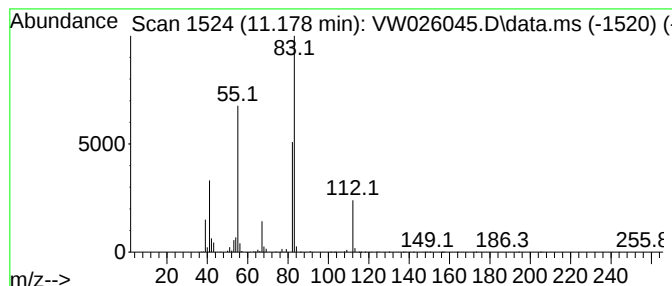
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.178 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	9.69 ug/L	668602	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

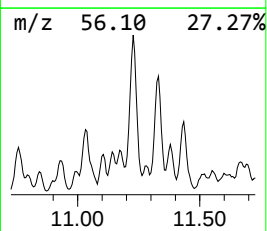
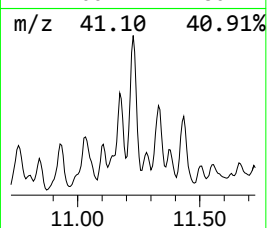
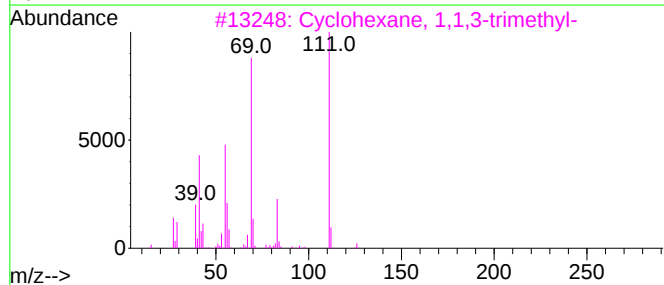
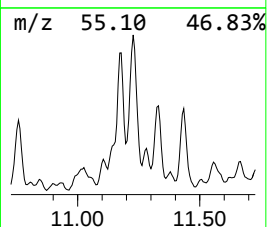
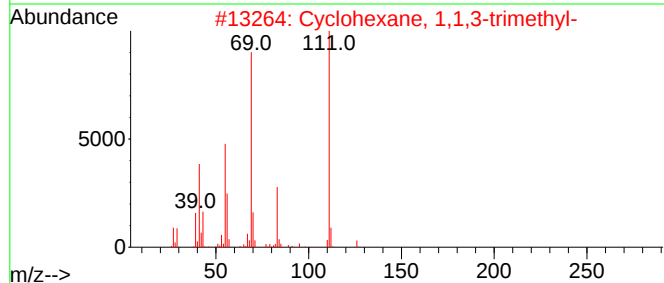
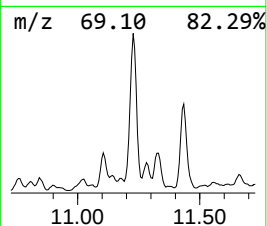
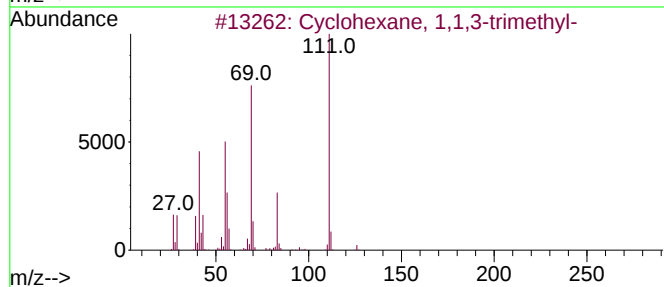
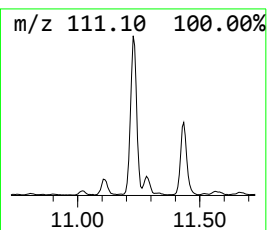
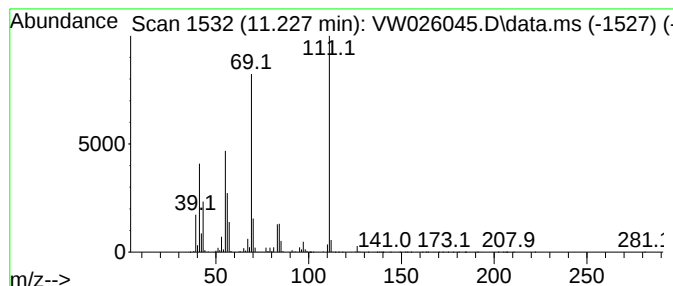
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.227 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.227	25.00 ug/L	1725380	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

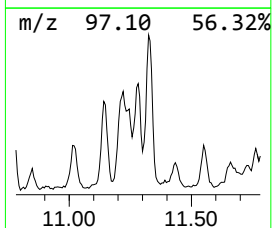
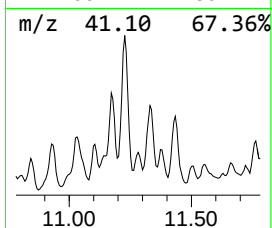
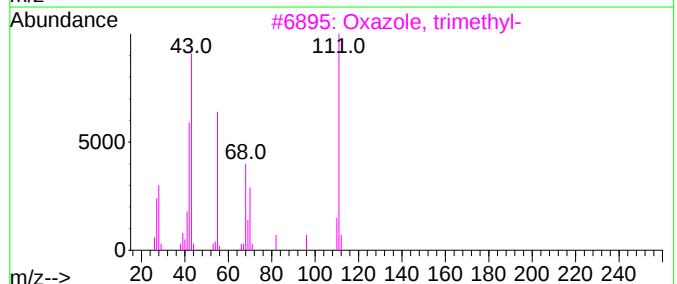
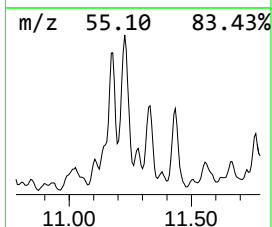
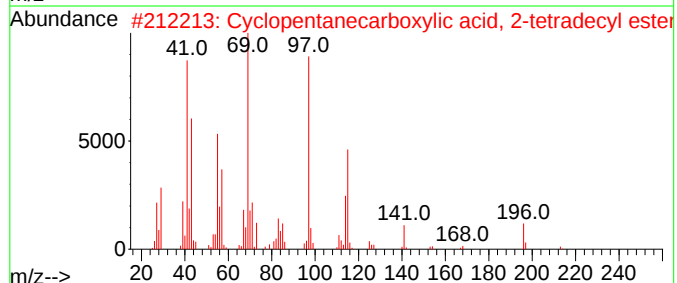
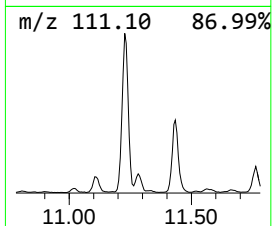
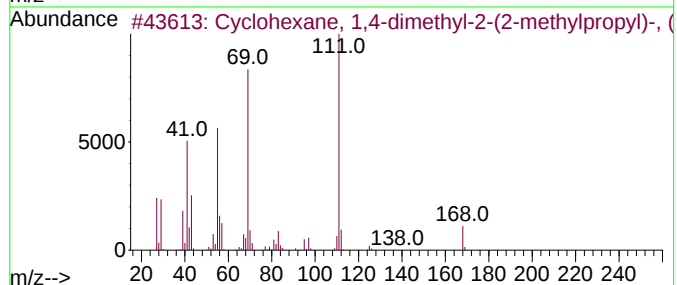
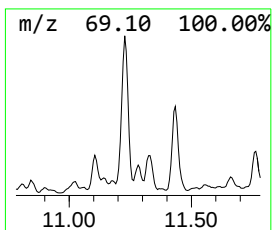
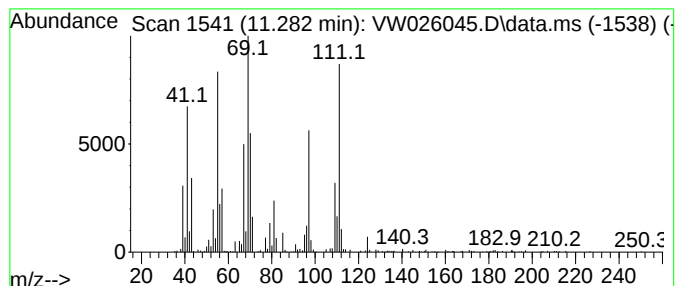
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.282 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	2.88 ug/L	199087	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	47
2			Cyclopentanecarboxylic acid, 2-t...	310	C20H38O2	1000280-58-7	35
3			Oxazole, trimethyl-	111	C6H9NO	020662-84-4	30
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27
5			Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

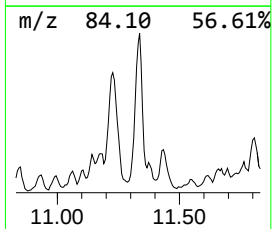
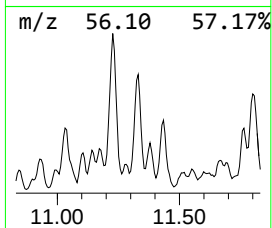
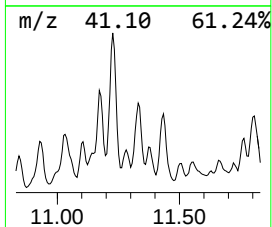
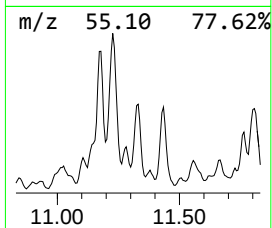
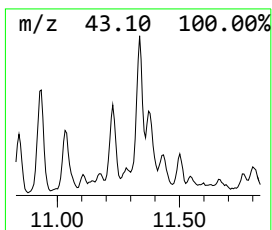
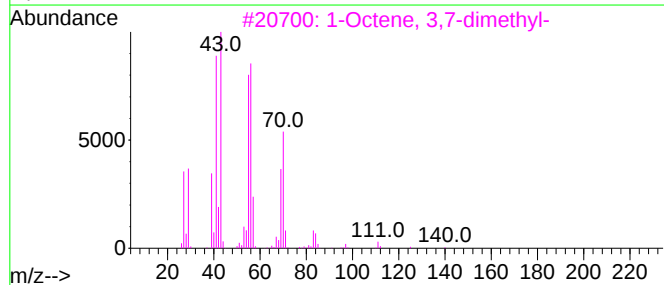
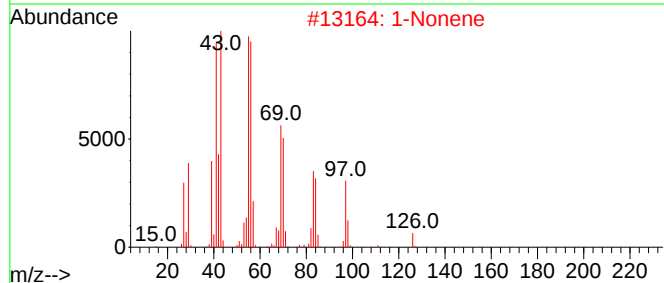
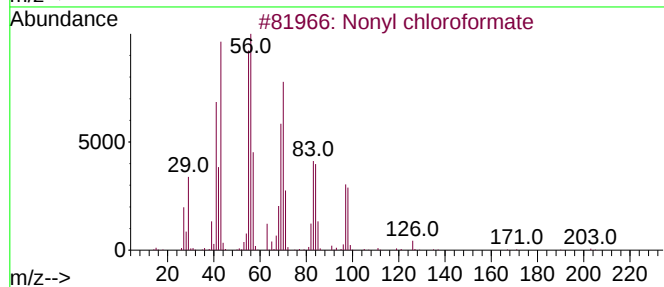
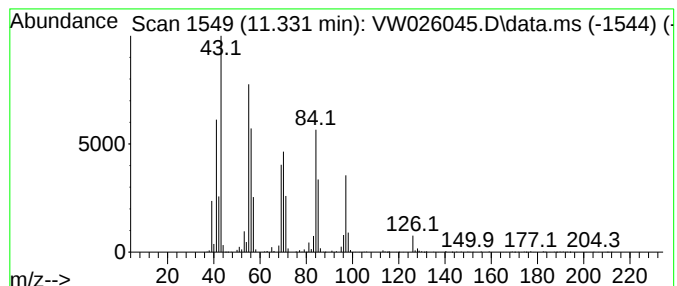
Instrument :
MSVOA_W
ClientSampleId :
EW997

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Quant Title : SFAM01.0

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

Peak Number 27 Nonyl chloroformate Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.331	11.08 ug/L	764867	Chlorobenzene-d5		11.629	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonyl chloroformate	206	C10H19ClO2	057045-82-6	58
2		1-Nonene	126	C9H18	000124-11-8	49
3		1-Octene, 3,7-dimethyl-	140	C10H20	004984-01-4	43
4		1-Pentanol, 3,4-dimethyl-	116	C7H16O	006570-87-2	43
5		Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

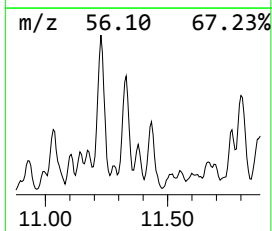
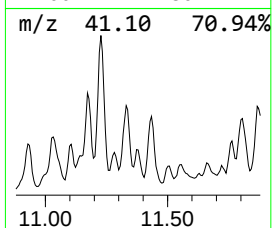
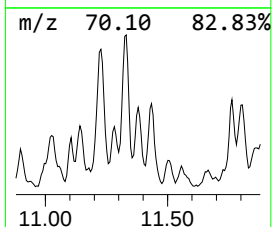
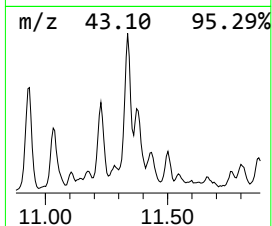
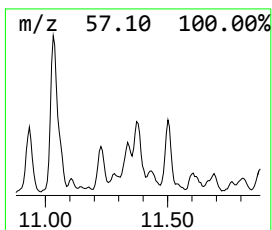
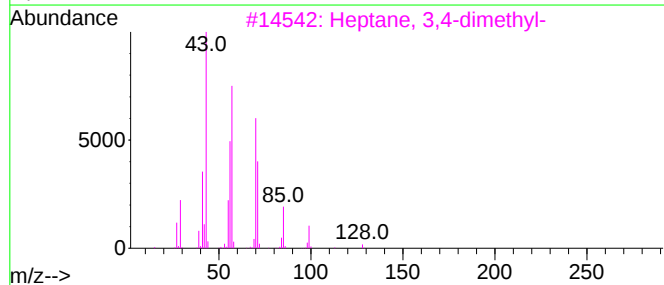
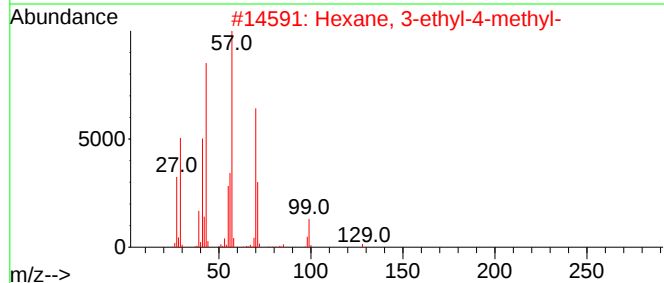
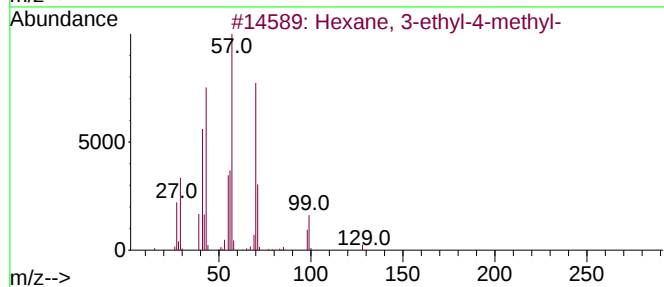
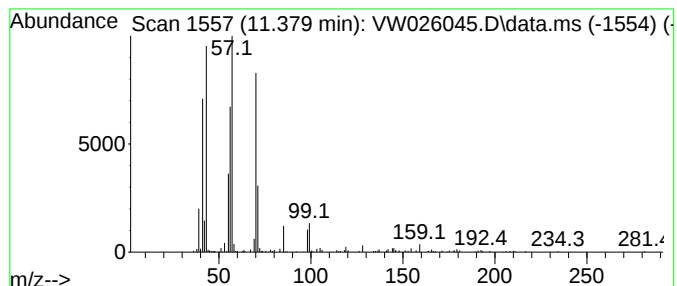
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.379	3.07 ug/L	211791	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	81
2	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	59
3	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	58
4	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	53
5	Nonane, 4-methyl-		142	C10H22	017301-94-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

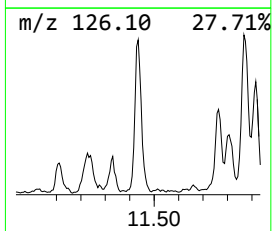
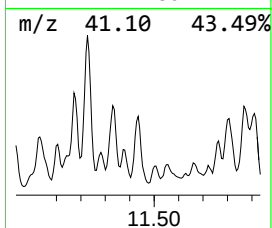
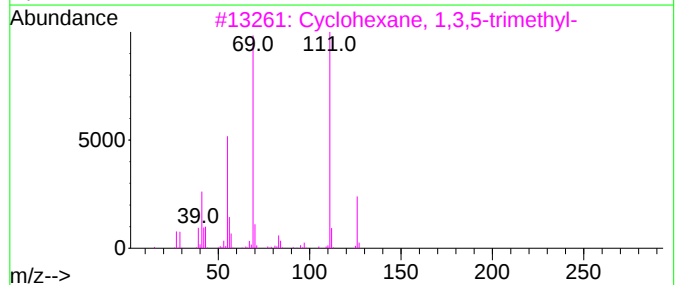
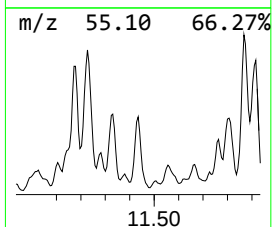
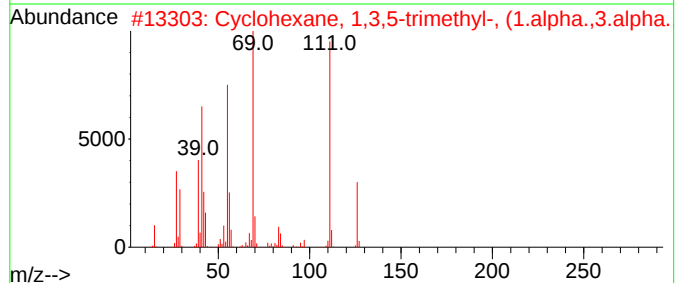
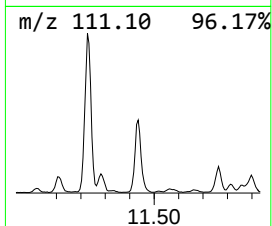
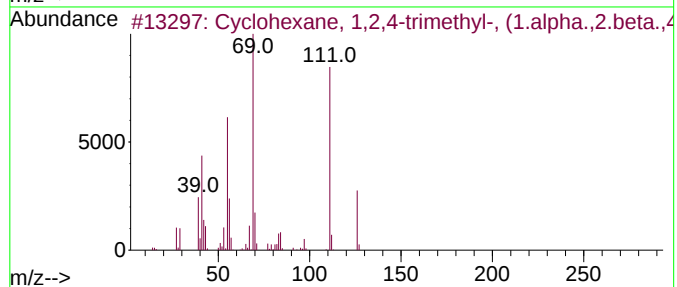
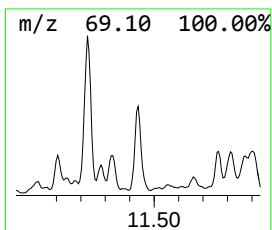
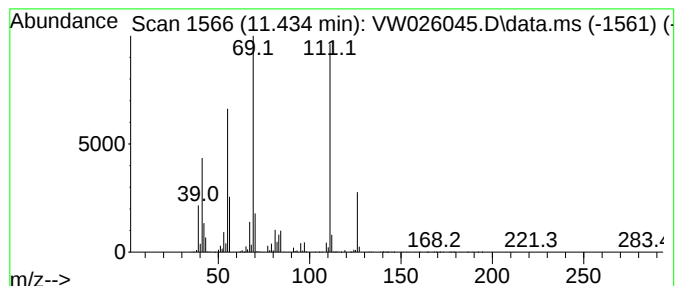
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic11.434 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	14.24 ug/L	982843	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

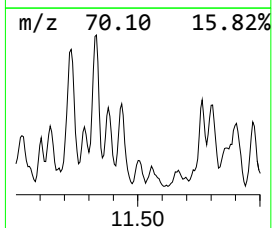
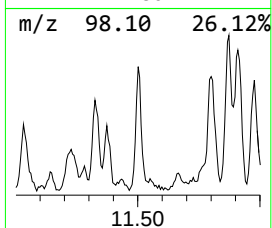
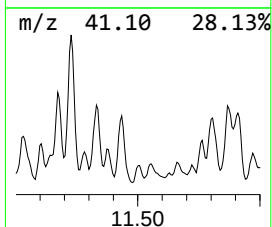
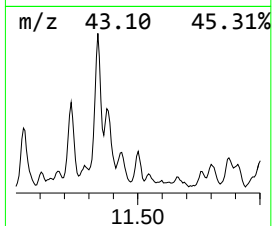
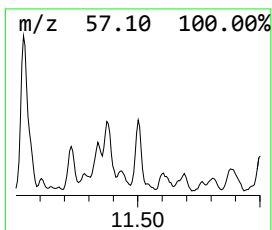
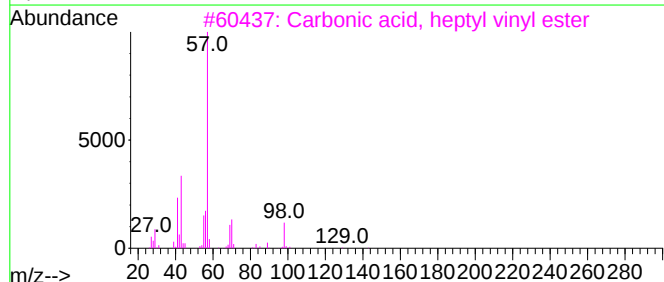
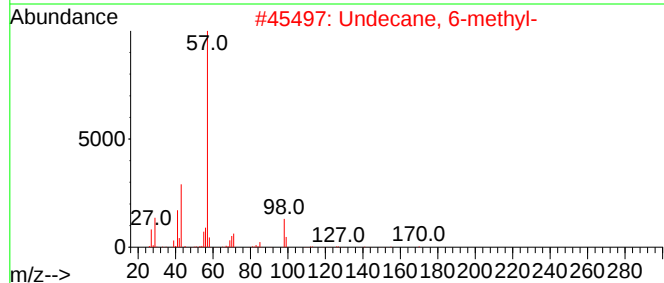
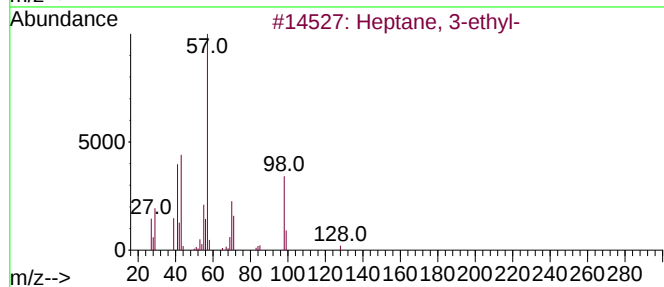
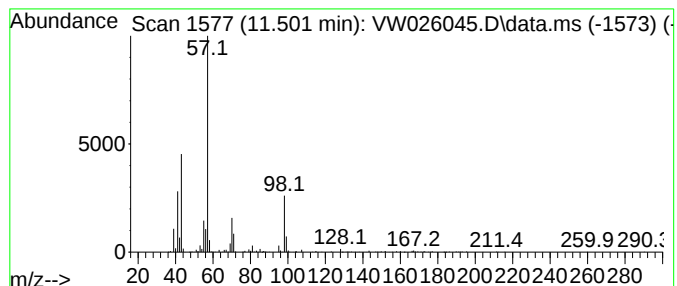
Instrument :
MSVOA_W
ClientSampleId :
EW997

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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.501	2.60 ug/L	179465	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	81
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	50
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

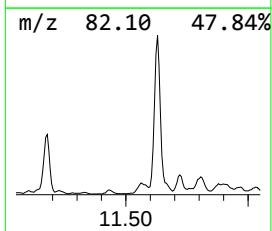
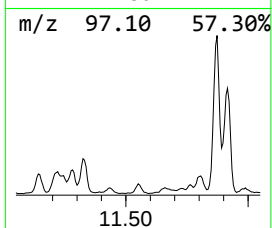
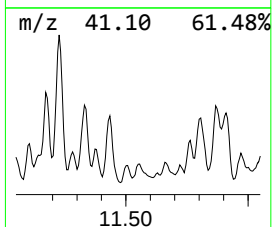
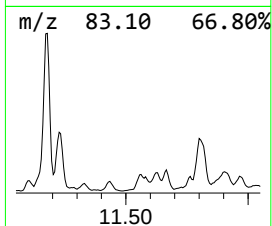
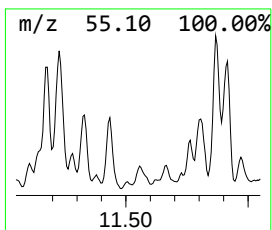
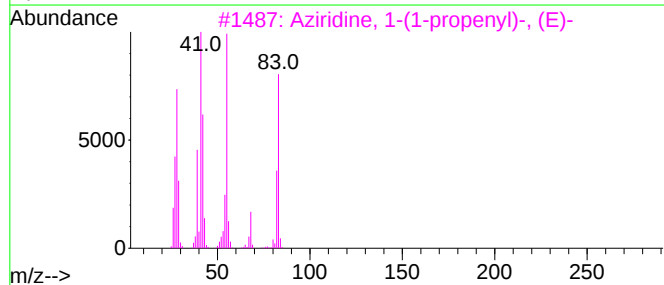
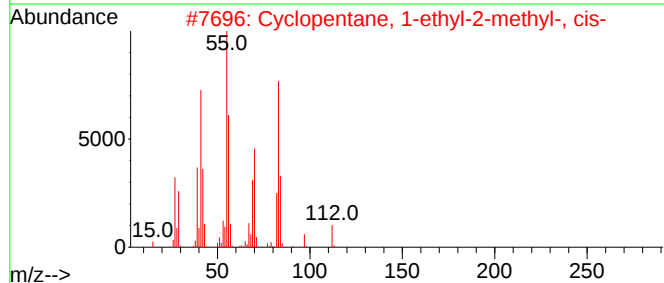
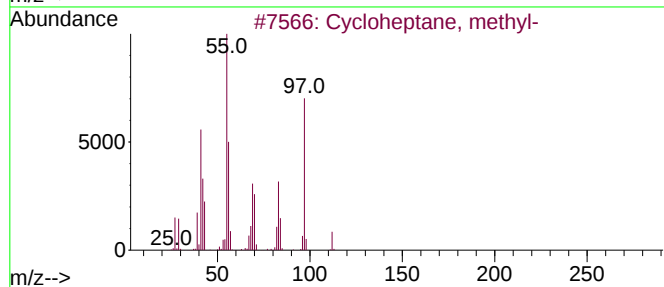
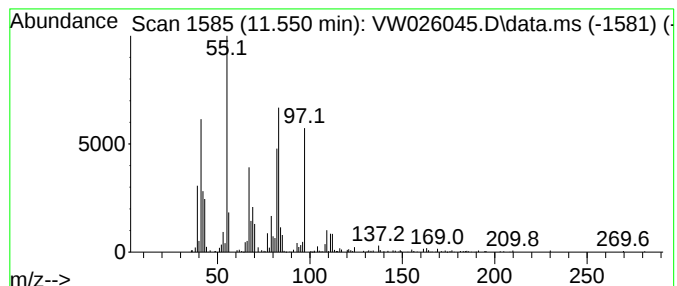
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic11.550 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.550	2.85 ug/L	196610	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloheptane, methyl-	112	C8H16	004126-78-7	43
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
3			Aziridine, 1-(1-propenyl)-, (E)-	83	C5H9N	080839-91-4	35
4			1,6-Octadiene, 2,5-dimethyl-, (E)-	138	C10H18	068702-25-0	30
5			Dihydromyrcenol, pentafluoroprop...	302	C13H19F5O2	1000463-72-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

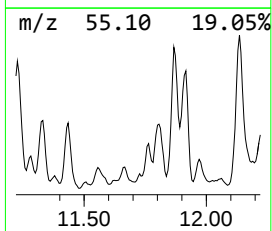
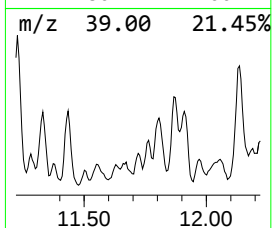
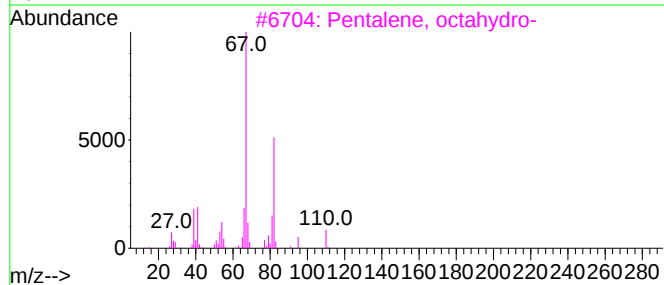
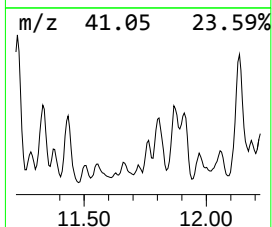
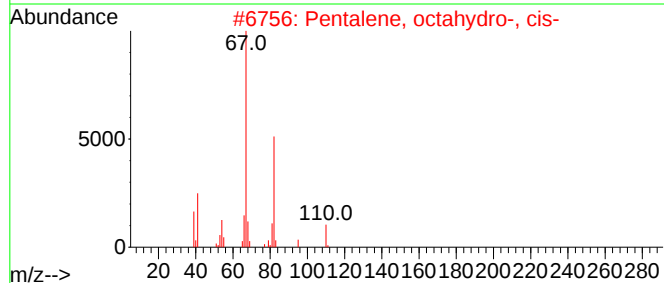
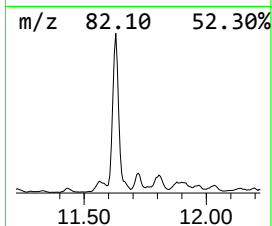
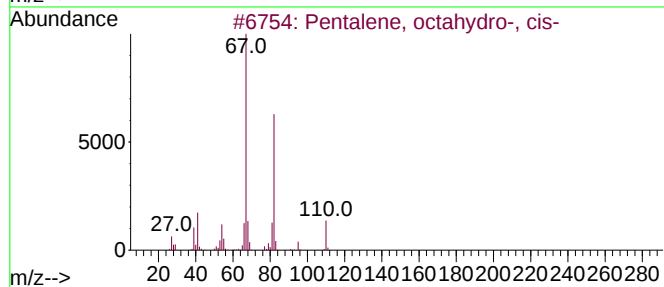
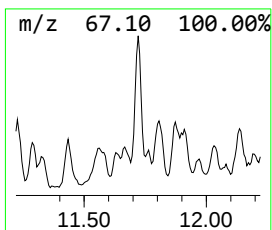
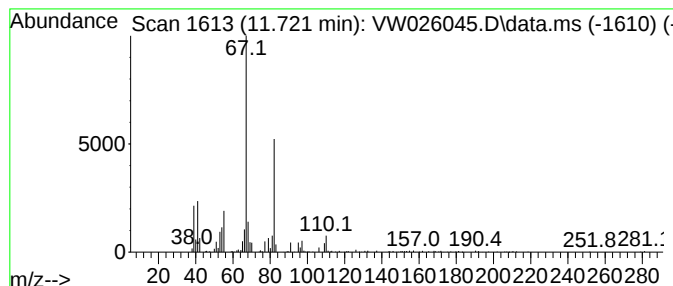
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Quant Title : SFAM01.0

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

Peak Number 32 Pentalene, octahydro-, cis- Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.721	1.69 ug/L	116570	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	87
2			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	87
3			Pentalene, octahydro-	110	C8H14	000694-72-4	87
4			Pentalene, octahydro-	110	C8H14	000694-72-4	87
5			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

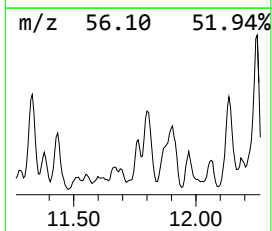
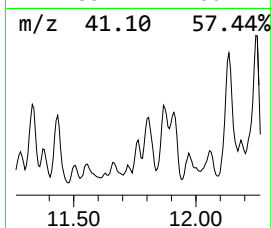
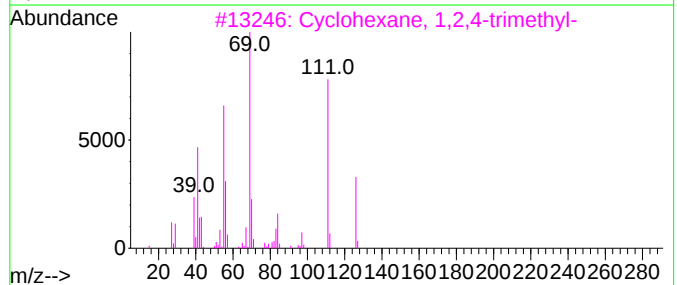
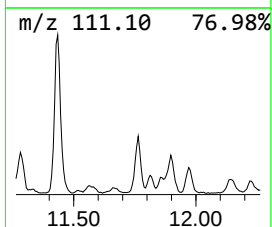
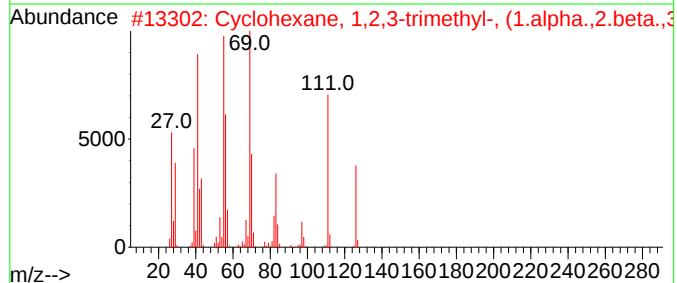
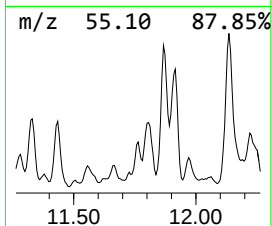
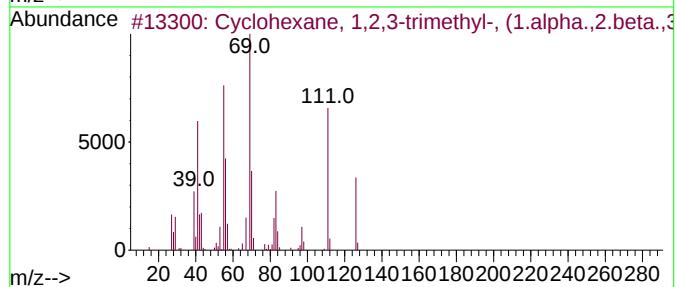
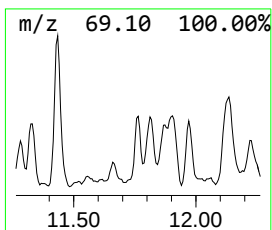
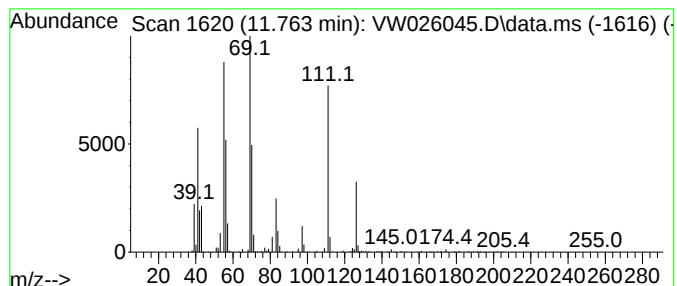
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic11.764 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.764	4.64 ug/L	320282	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	95
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	87
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
4			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	70
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

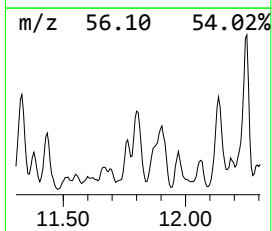
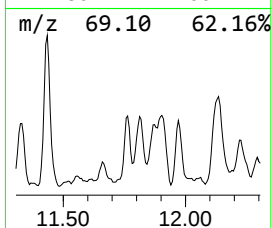
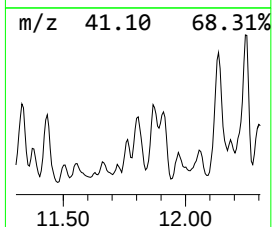
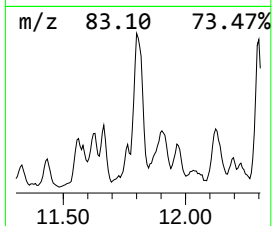
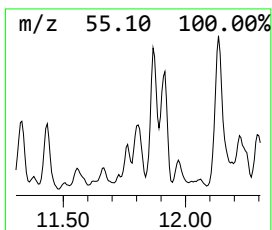
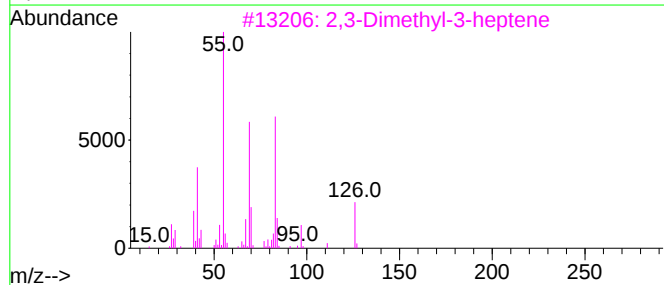
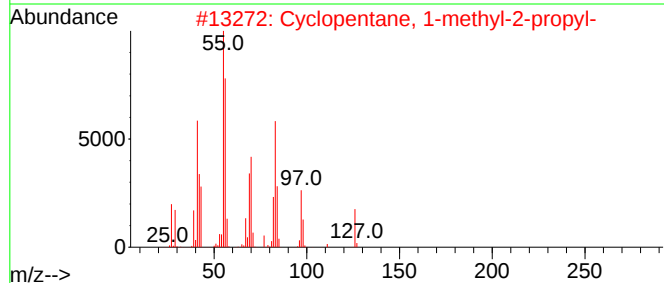
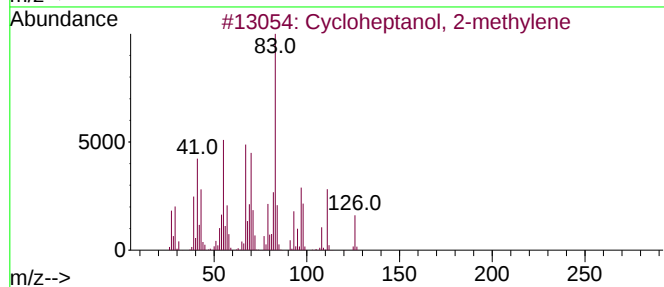
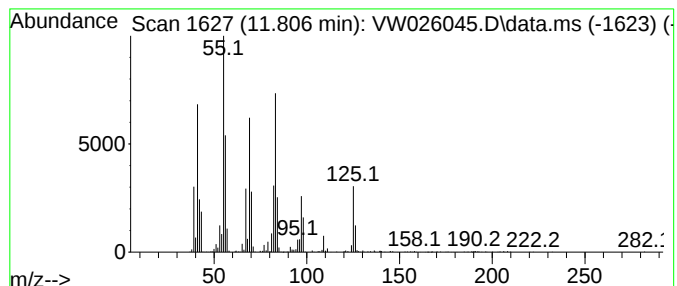
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Quant Title : SFAM01.0

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

Peak Number 34 Cycloheptanol, 2-methylene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.806	9.96 ug/L	687296	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	52
2			Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	49
3			2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	43
4			Cyclopentane, butyl-	126	C9H18	002040-95-1	43
5			3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

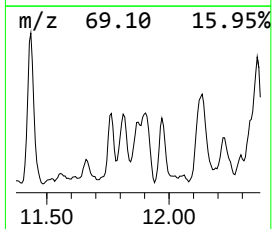
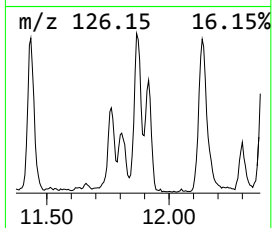
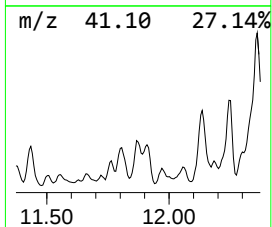
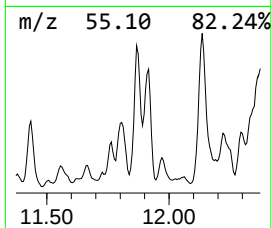
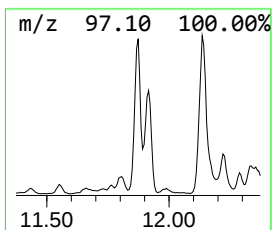
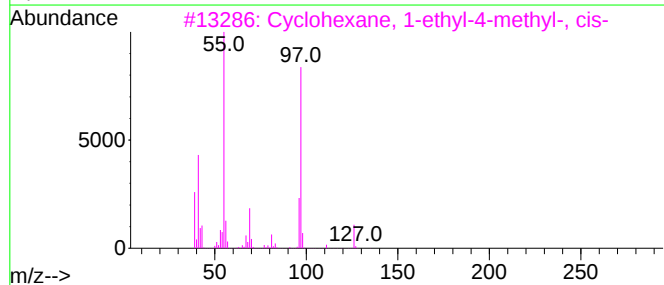
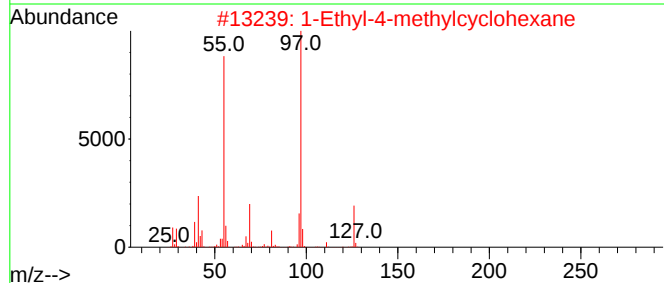
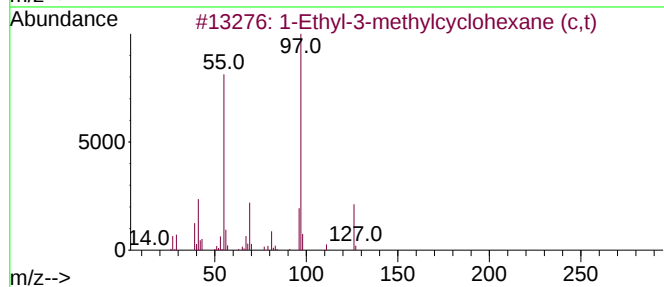
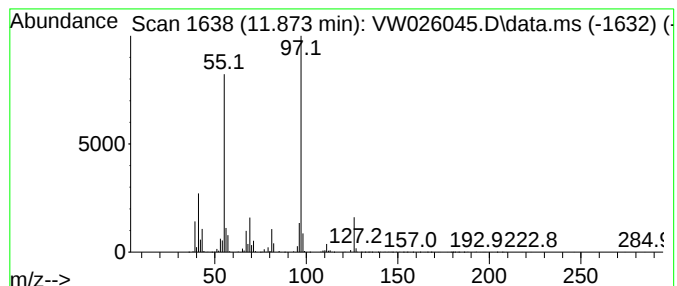
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic11.873 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	14.73 ug/L	1016830	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	86
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

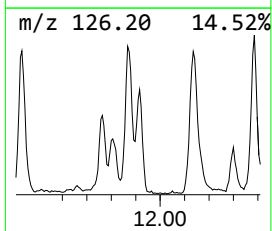
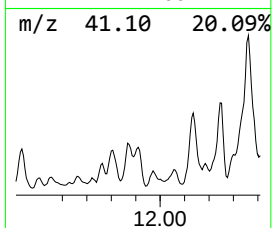
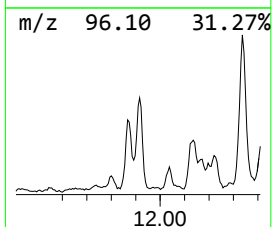
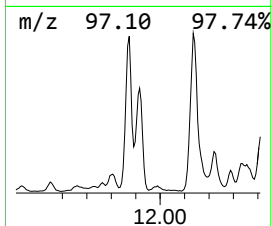
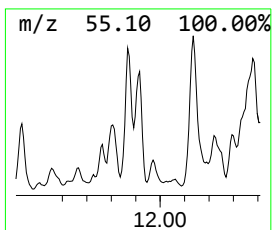
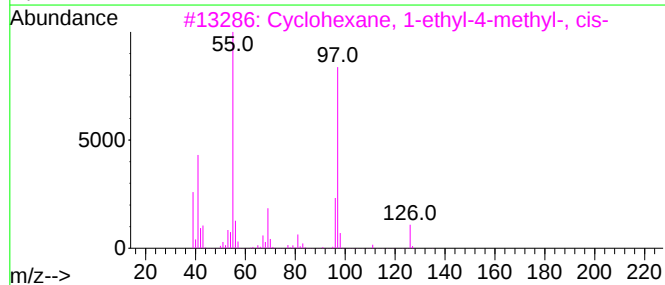
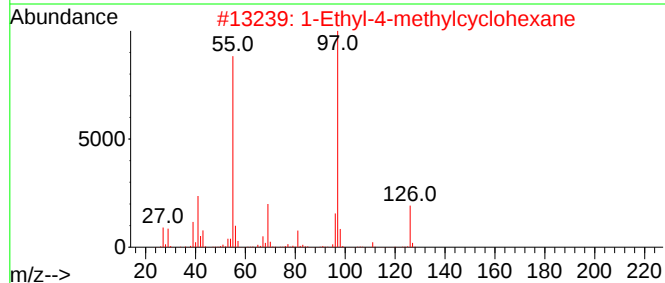
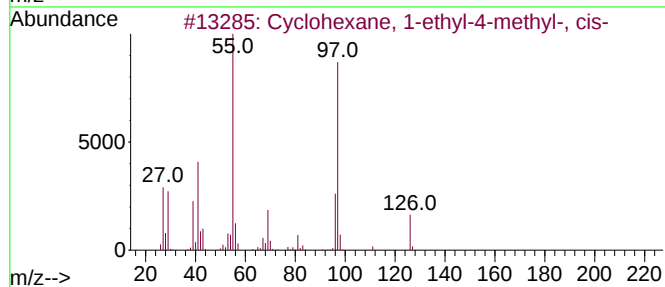
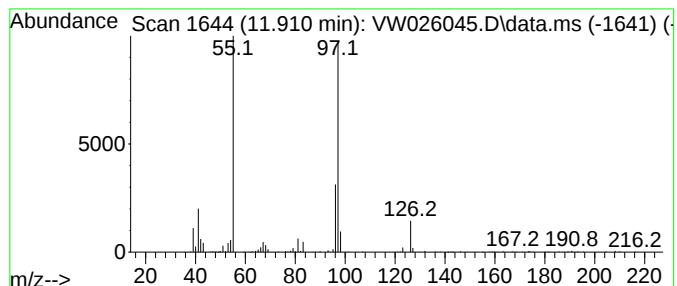
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic11.910 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	13.31 ug/L	918798	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
5			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

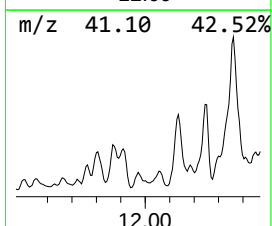
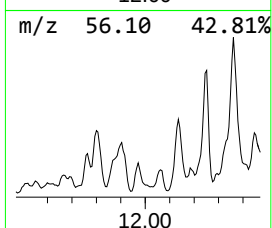
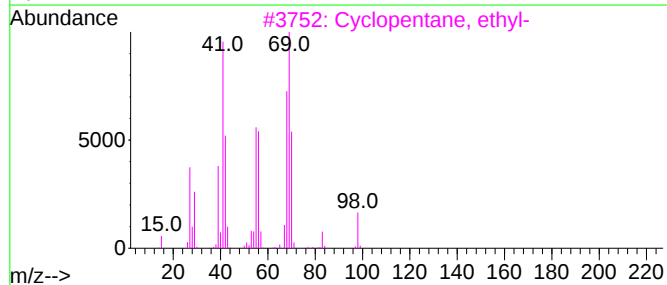
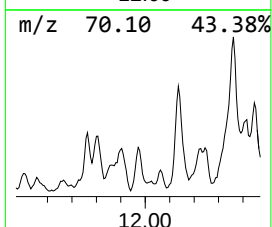
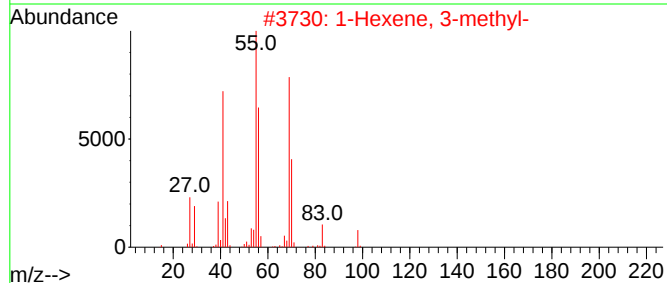
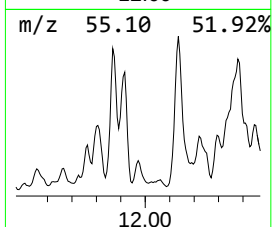
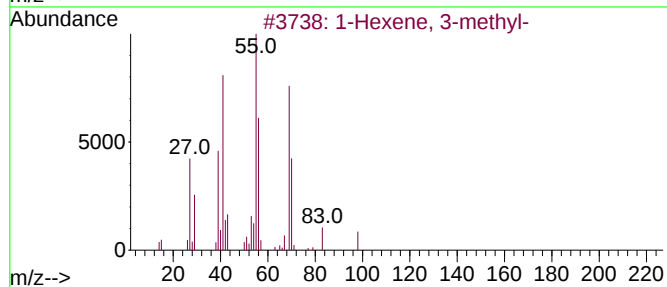
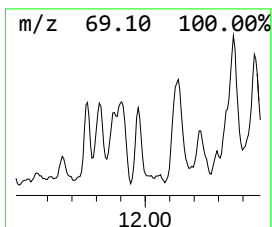
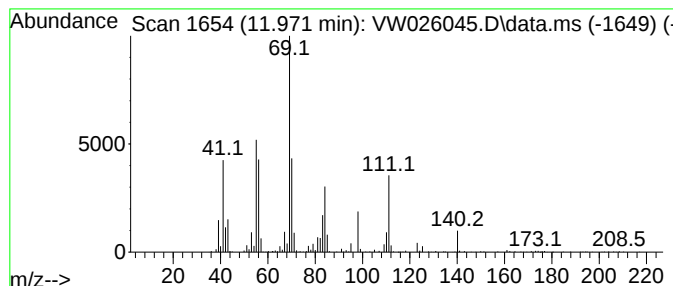
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.971	6.63 ug/L	457356	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	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	62
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	53
5	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

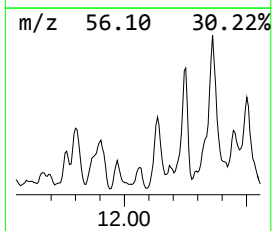
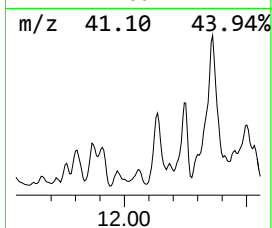
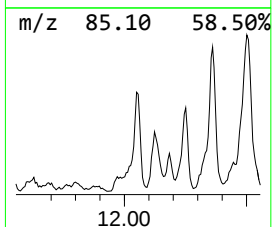
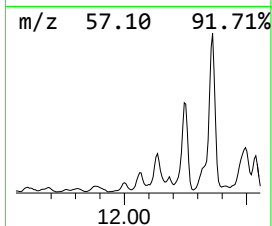
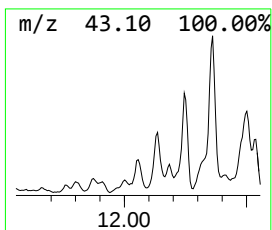
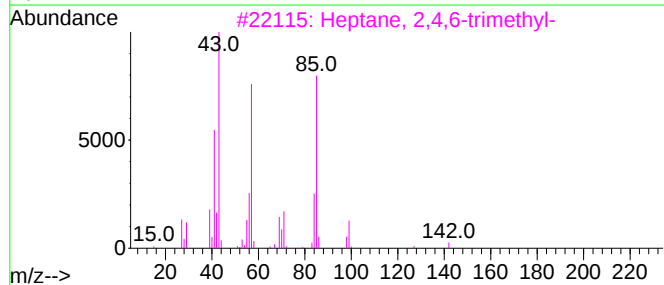
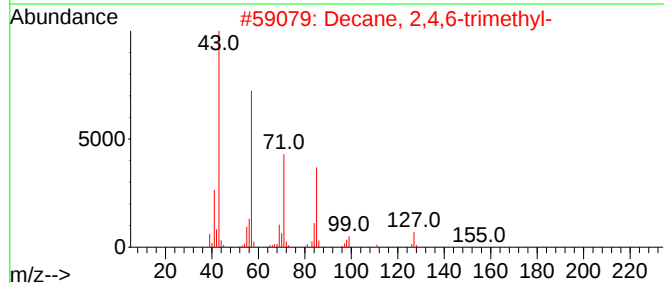
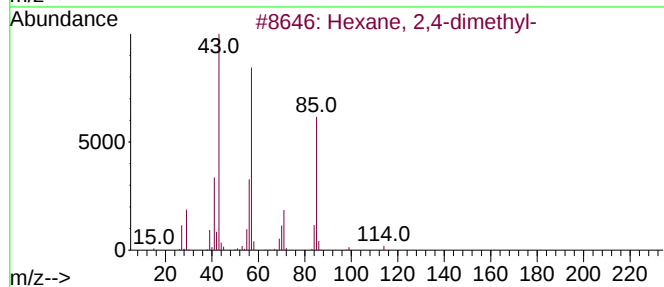
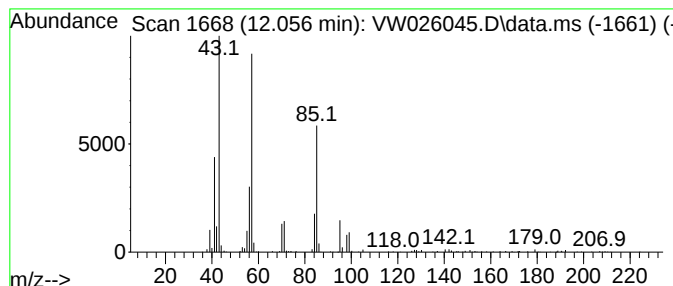
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	6.21 ug/L	428277	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2			Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	59
3			Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	58
4			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	53
5			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

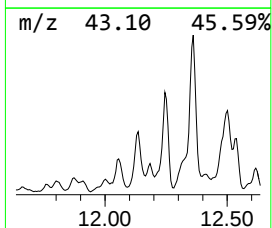
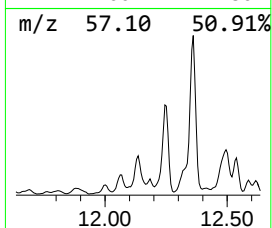
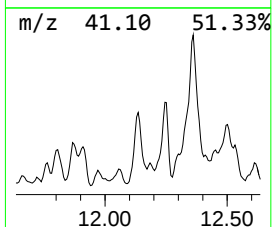
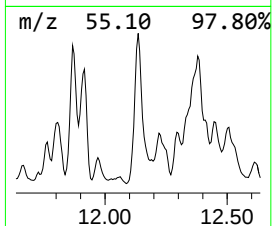
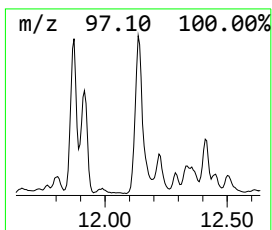
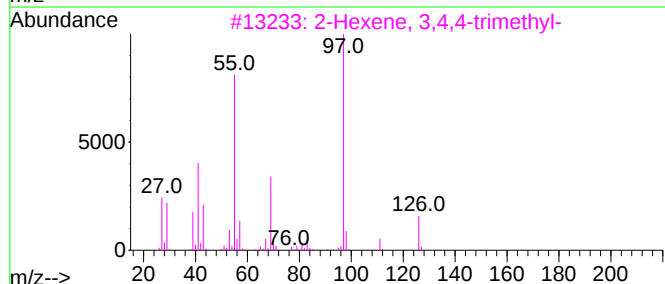
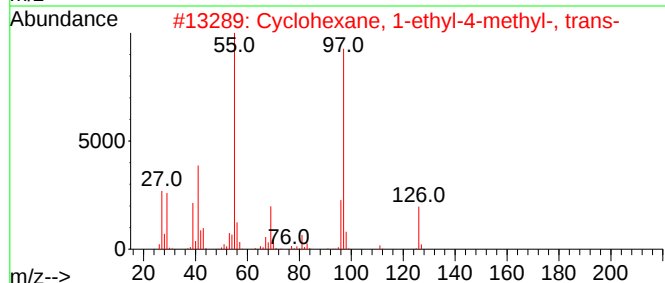
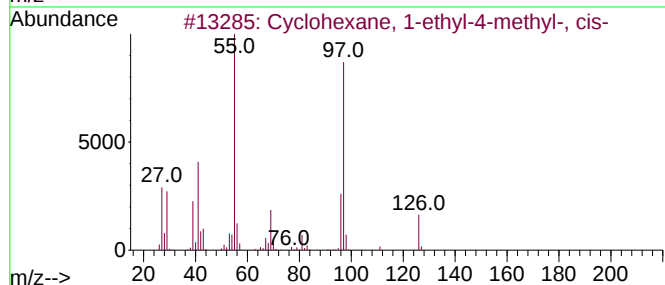
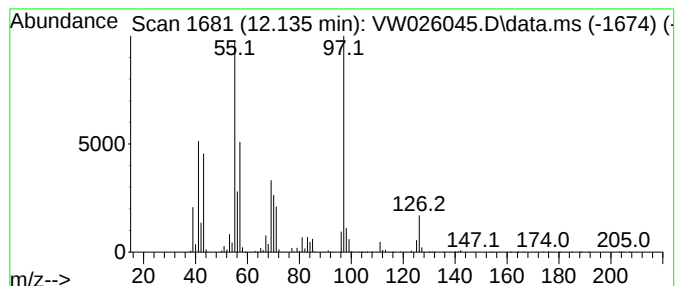
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic12.135 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.135	29.62 ug/L	2044220	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	52
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

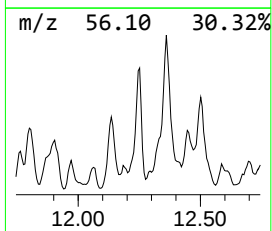
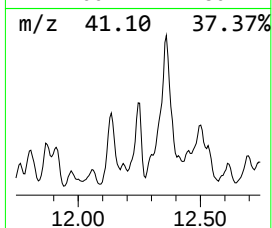
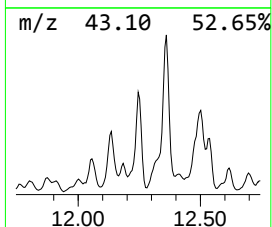
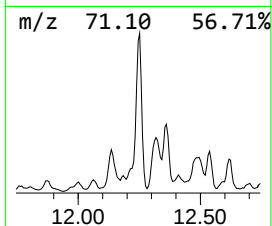
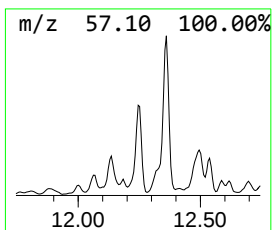
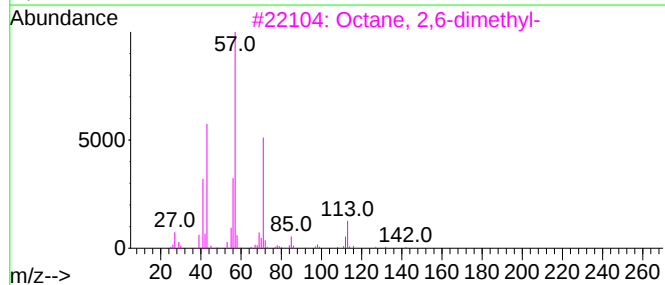
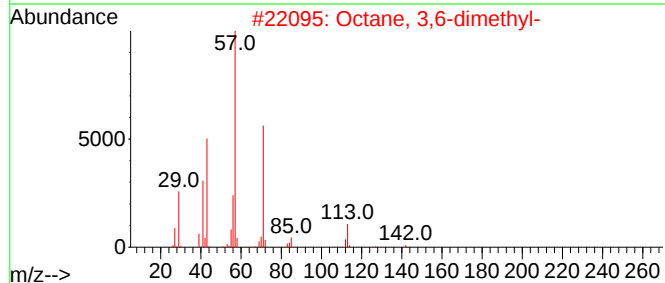
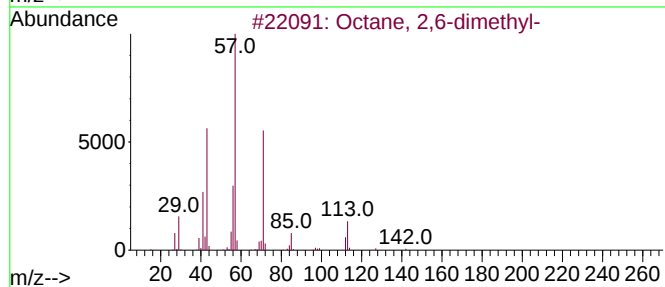
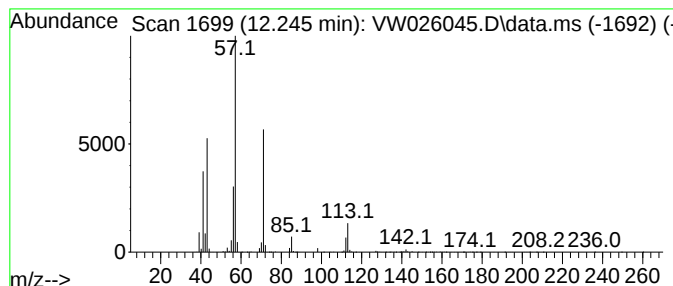
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.245	22.40 ug/L	1545940	Chlorobenzene-d5			11.629
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

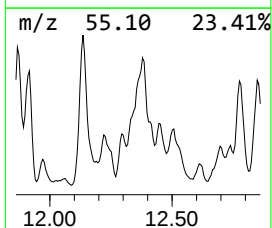
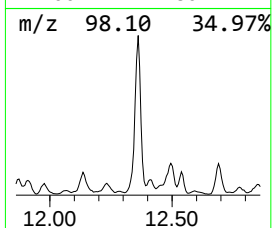
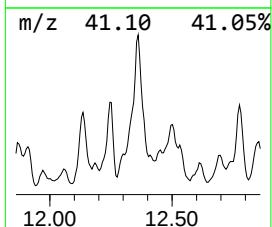
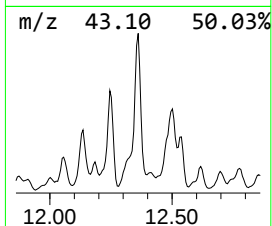
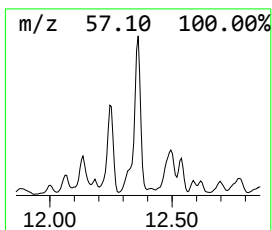
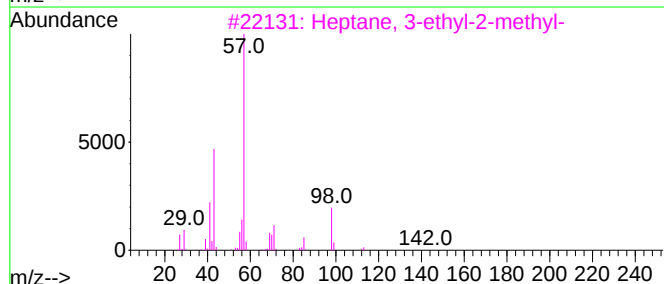
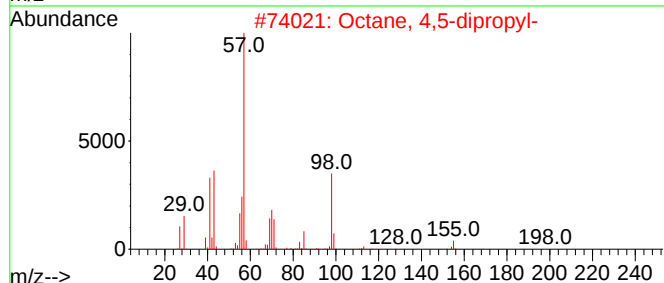
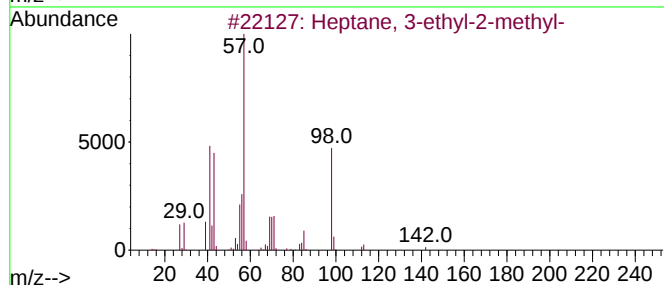
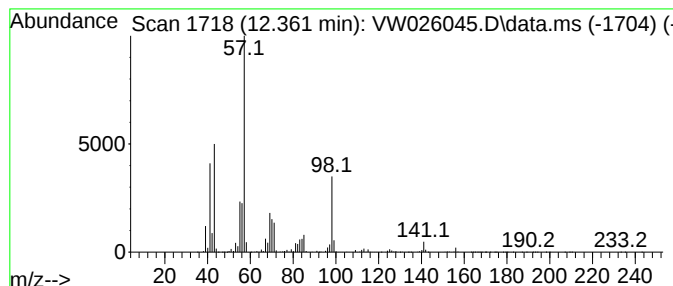
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	82.98 ug/L	5726960	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	68
2			Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	64
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

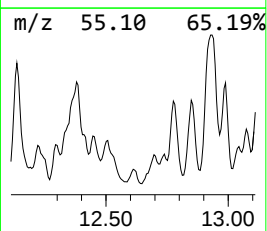
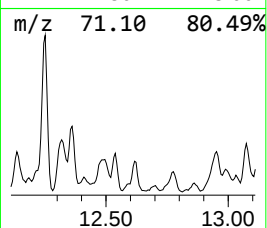
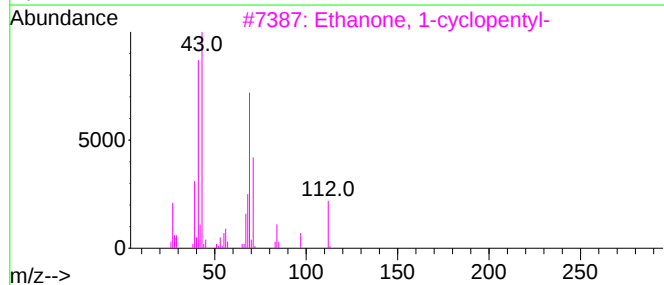
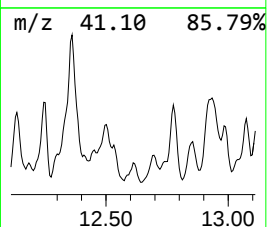
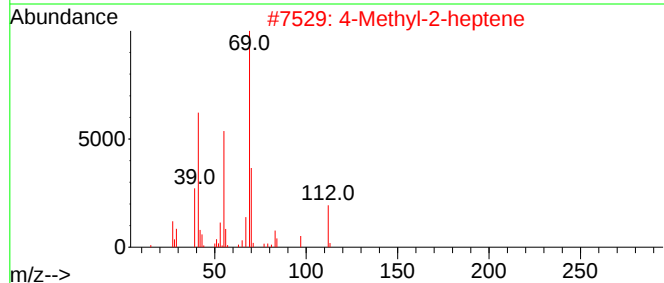
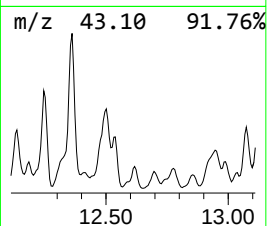
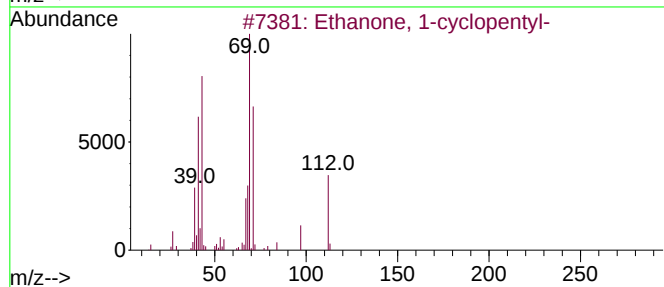
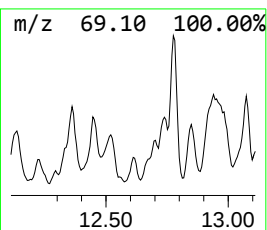
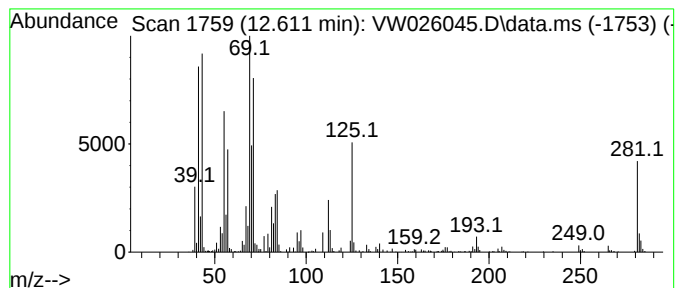
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Quant Title : SFAM01.0

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

Peak Number 42 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.611	20.42 ug/L	531537	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	45
2			4-Methyl-2-heptene	112	C8H16	003404-56-6	42
3			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	38
4			Octane, 3-ethyl-	142	C10H22	005881-17-4	38
5			Pyridine-3-carboxamide, oxime, N...	281	C13H10F3N3O	288246-53-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

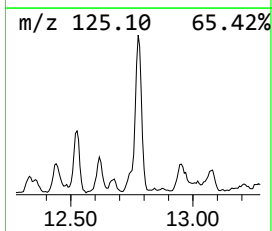
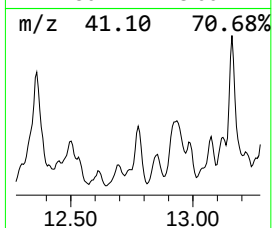
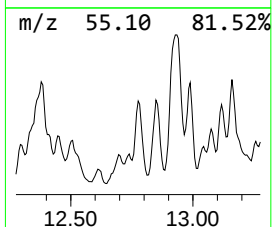
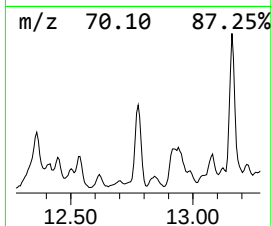
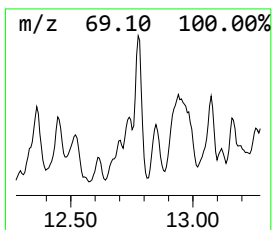
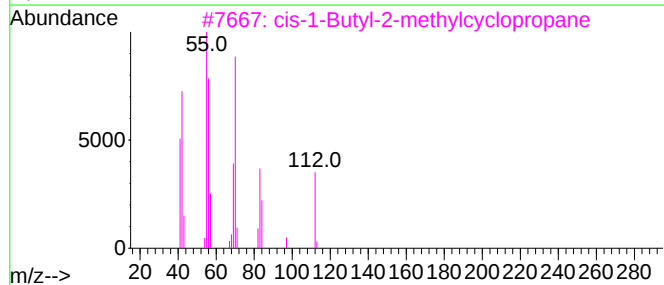
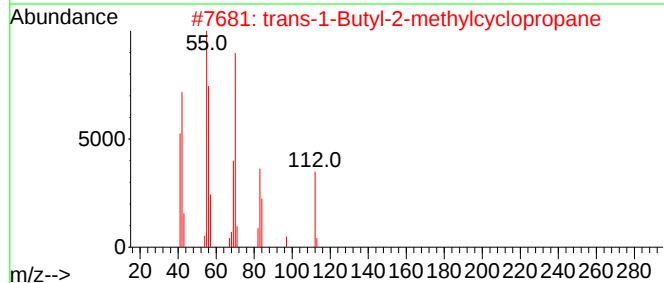
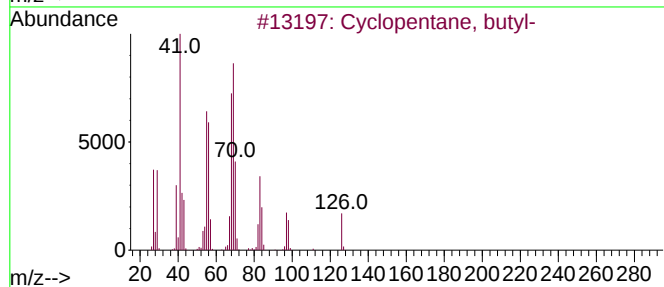
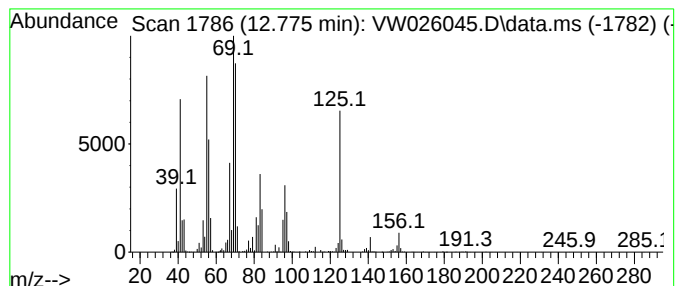
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic12.775 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	72.37 ug/L	1883300	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	50
2			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
3			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42
4			Ketone, vinyl-pyrrolidiny-	125	C7H11NO	042104-70-1	41
5			1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

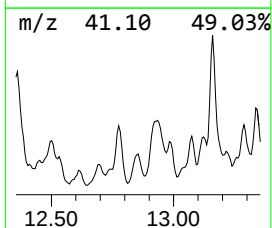
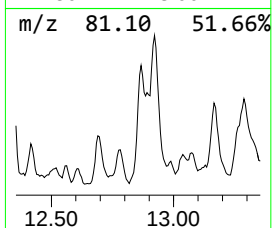
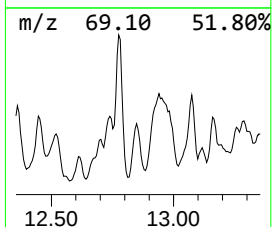
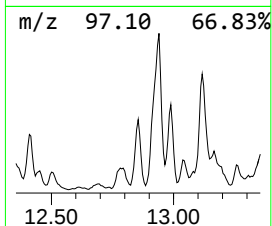
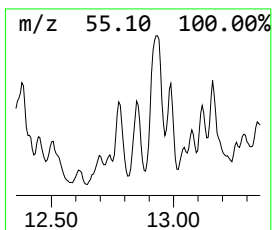
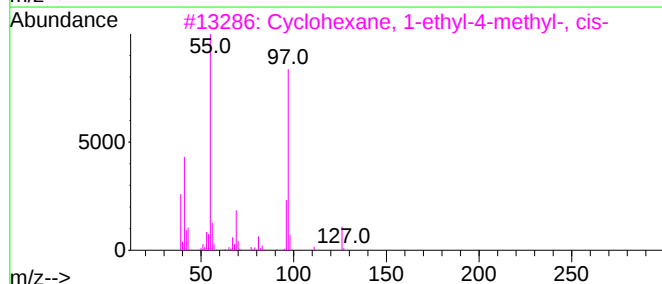
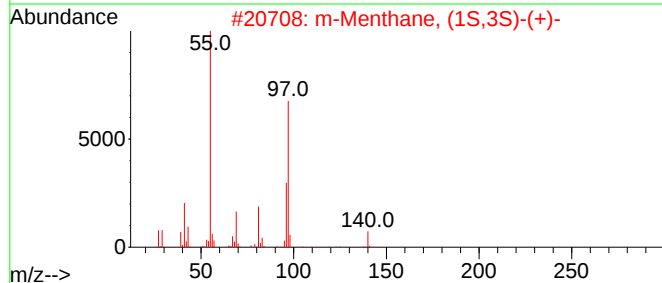
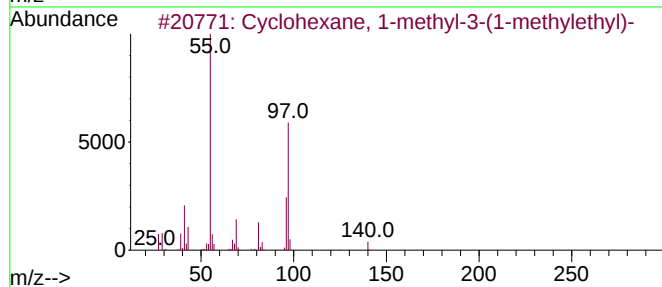
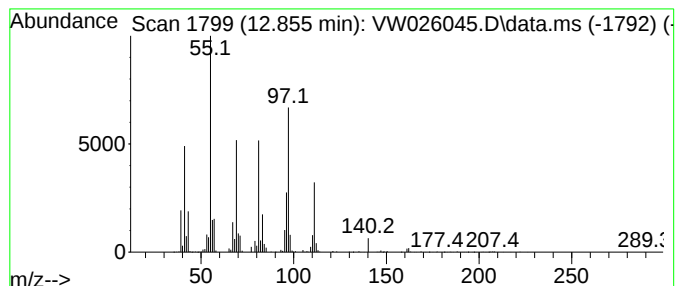
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Cyclic12.855 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	49.76 ug/L	1294930	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	52
2			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	50
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
4			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	49
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

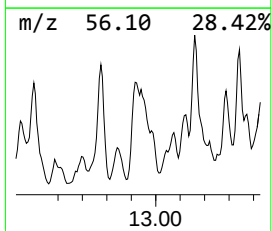
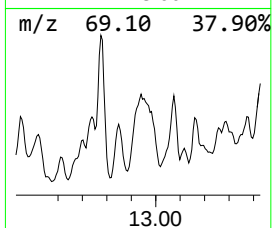
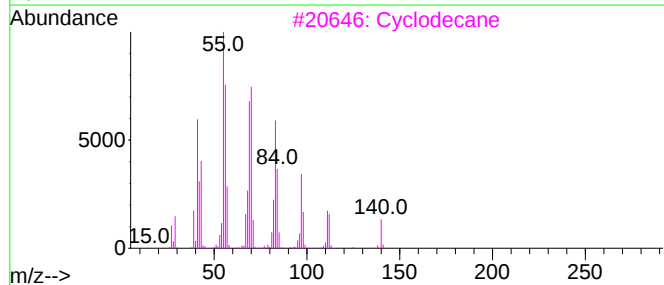
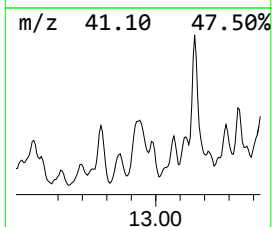
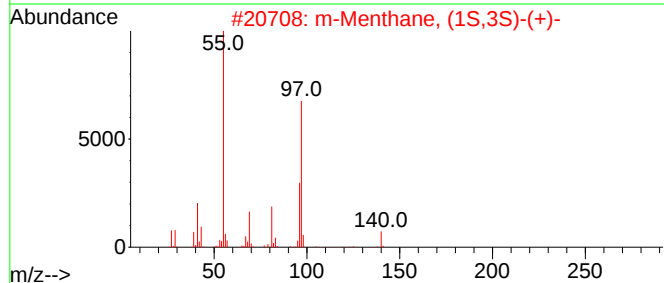
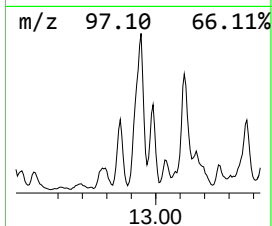
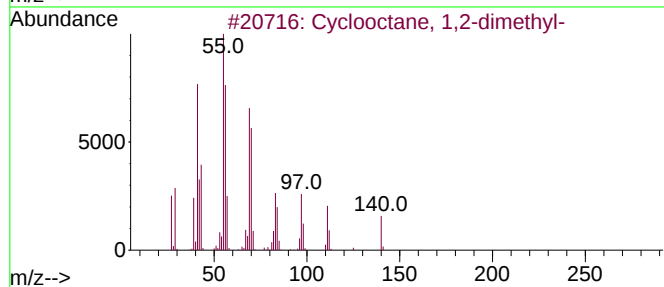
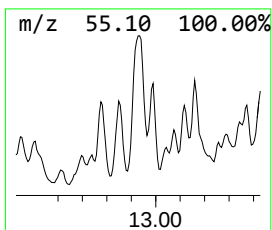
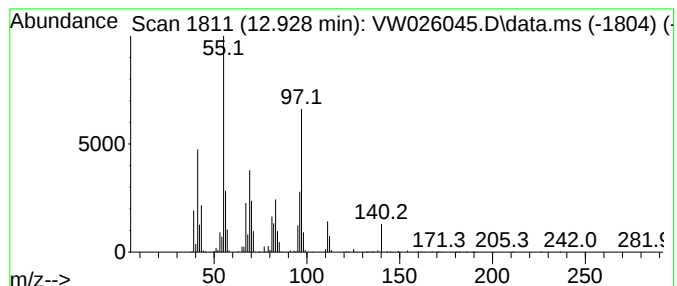
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Cyclic12.928 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	139.85 ug/L	3639640	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	46
2			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
3			Cyclodecane	140	C10H20	000293-96-9	43
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
5			Cyclodecane	140	C10H20	000293-96-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

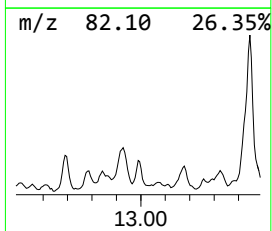
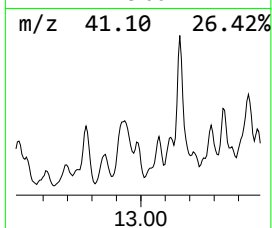
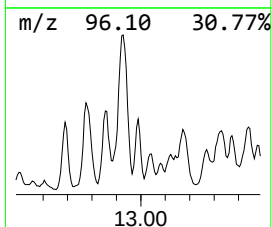
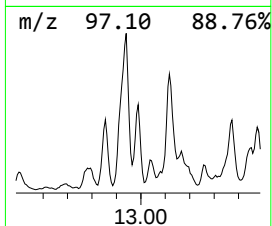
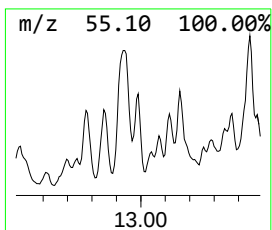
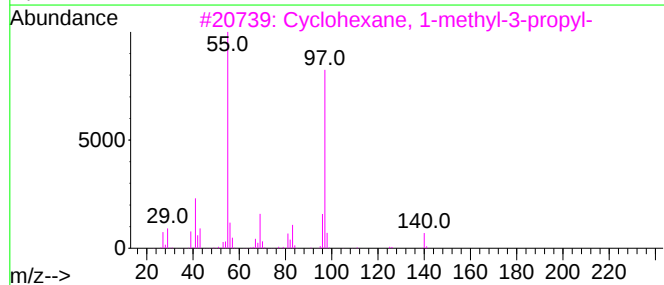
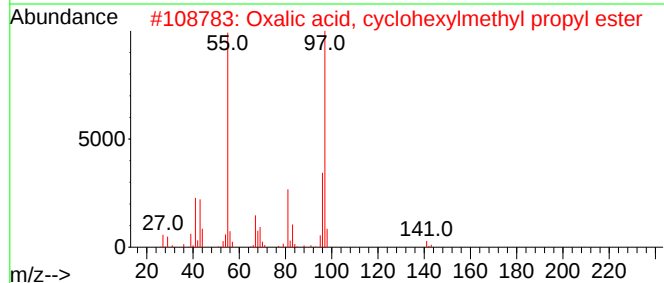
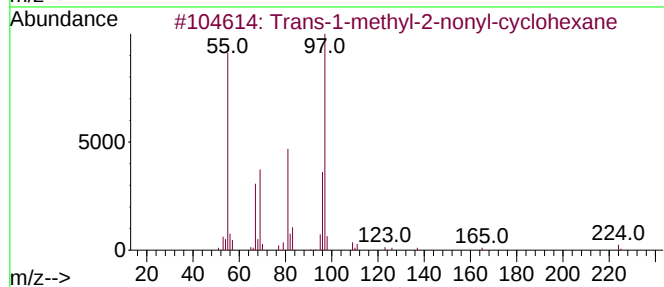
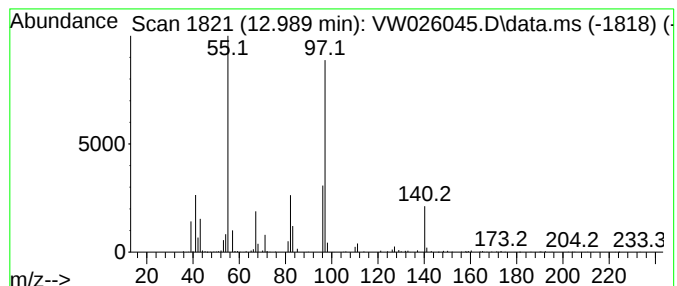
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Cyclic12.989 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	34.27 ug/L	891977	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	59
2			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	53
3			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	45
4			cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	43
5			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

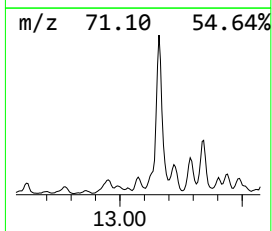
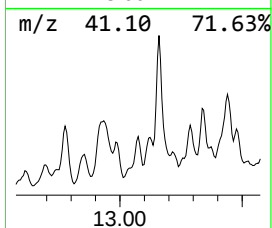
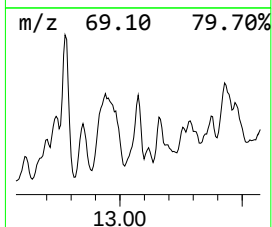
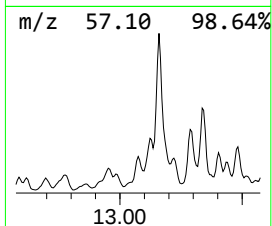
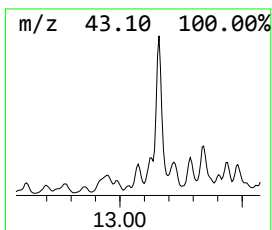
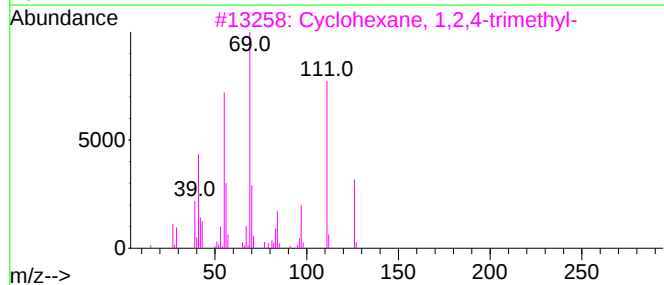
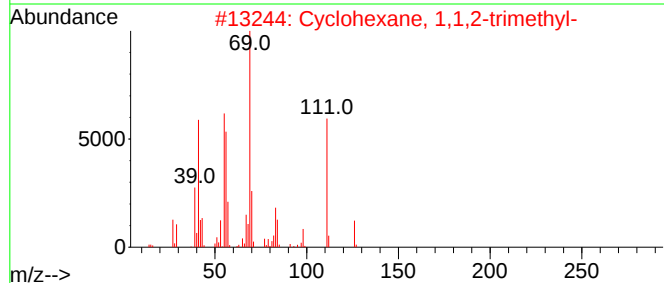
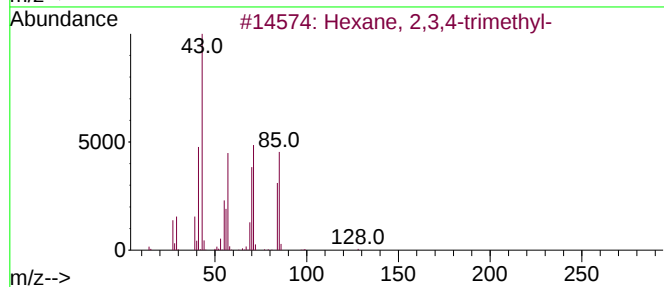
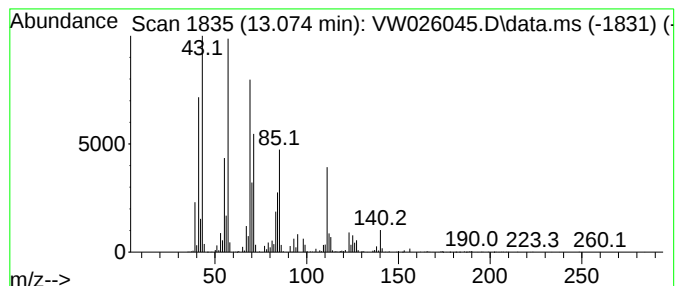
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	28.35 ug/L	737859	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	46
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
4			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
5			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

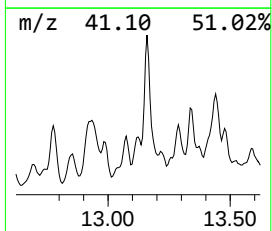
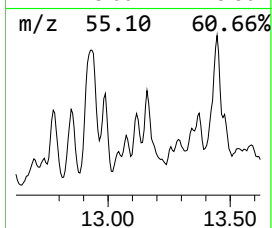
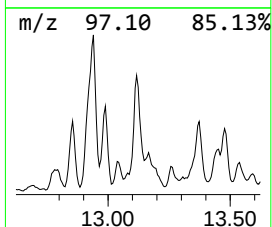
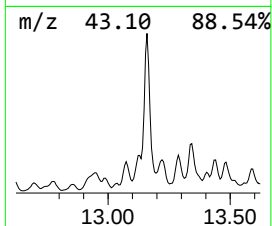
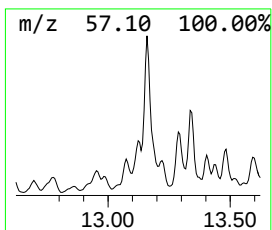
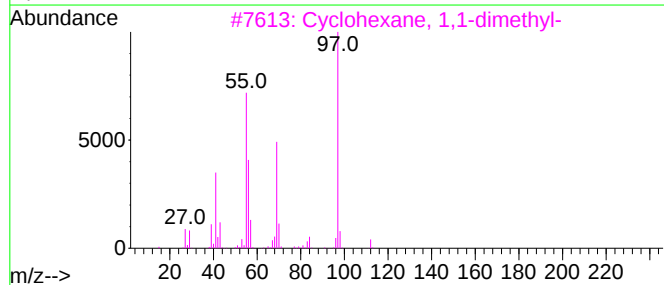
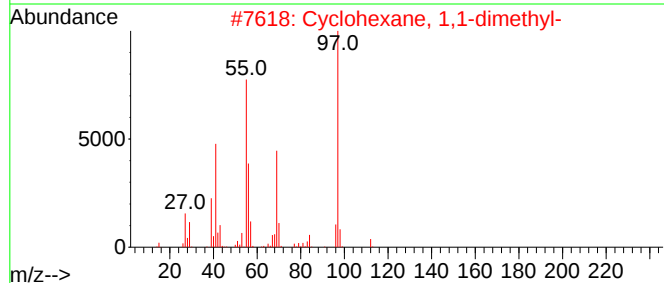
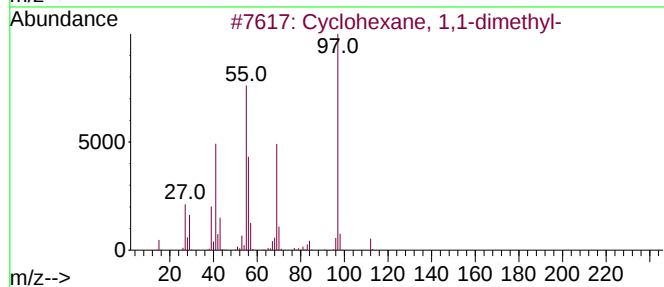
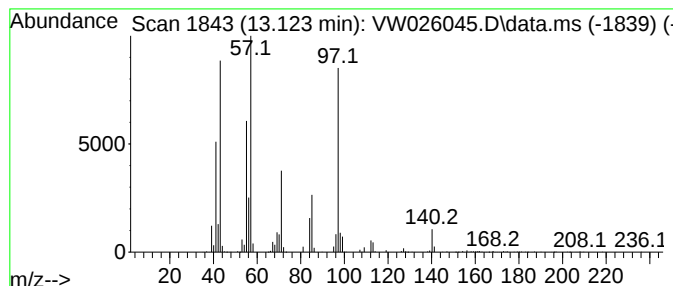
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Cyclic13.123 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	26.38 ug/L	686641	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	49
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
4			2,4-Dimethyl-1,5-diazabicyclo[3...	112	C6H12N2	1000283-20-9	43
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

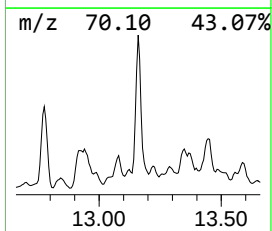
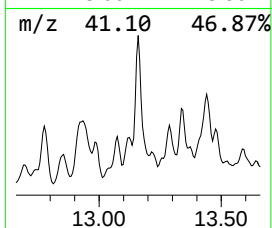
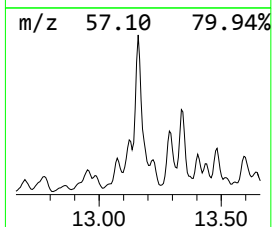
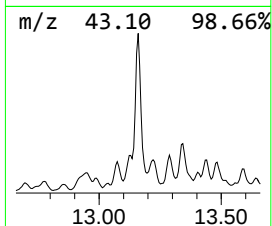
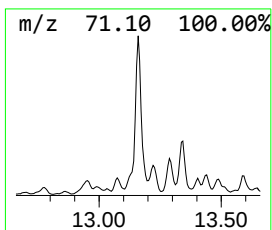
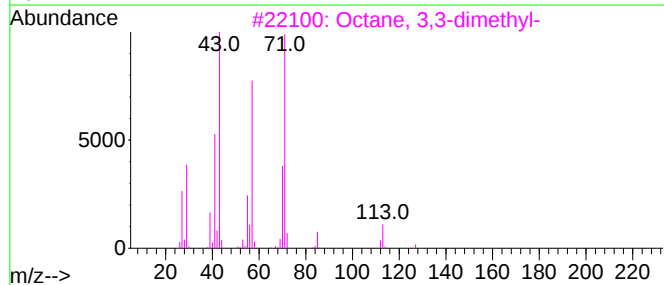
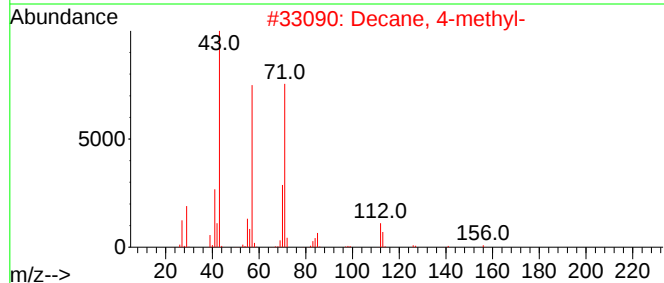
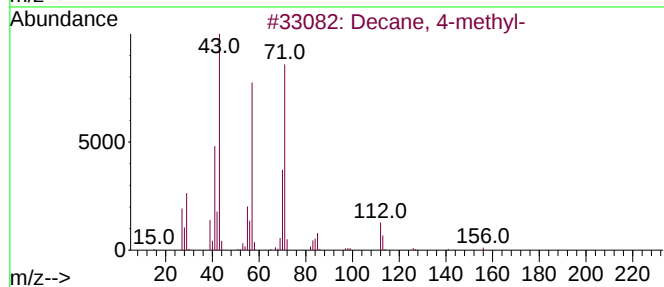
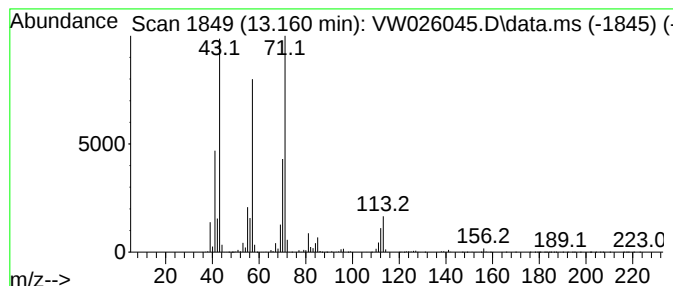
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	117.74 ug/L	3064190	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	90
2			Decane, 4-methyl-	156	C11H24	002847-72-5	81
3			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5			Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

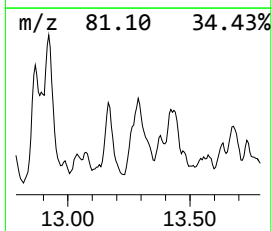
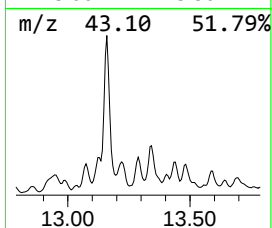
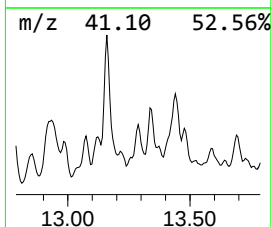
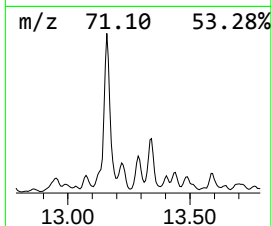
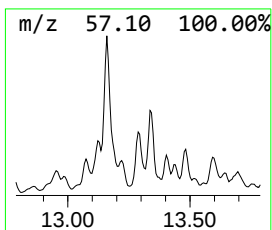
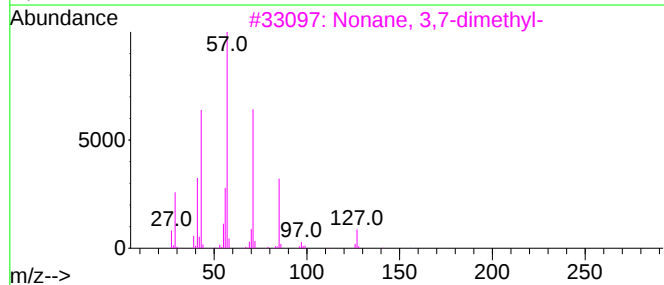
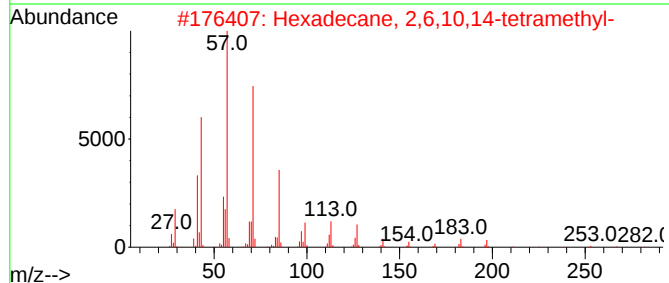
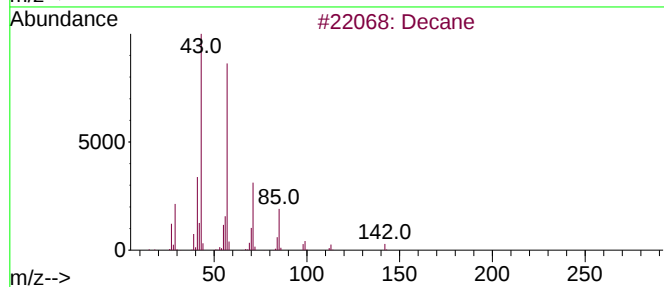
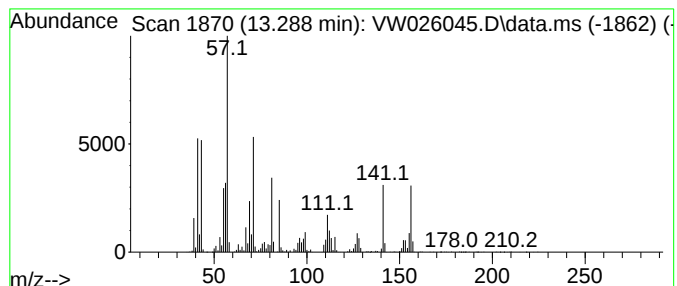
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.288	76.06 ug/L	1979470	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	46
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
4			Heptacosane	380	C27H56	000593-49-7	43
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

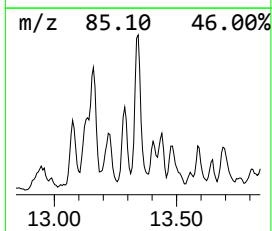
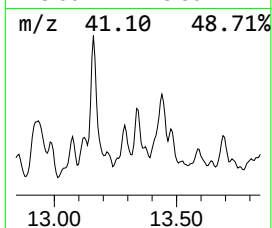
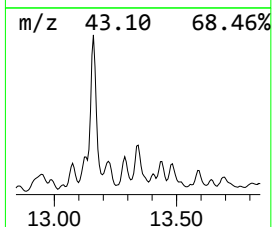
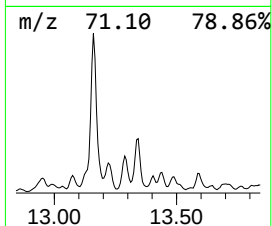
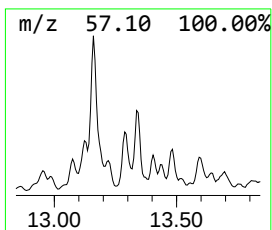
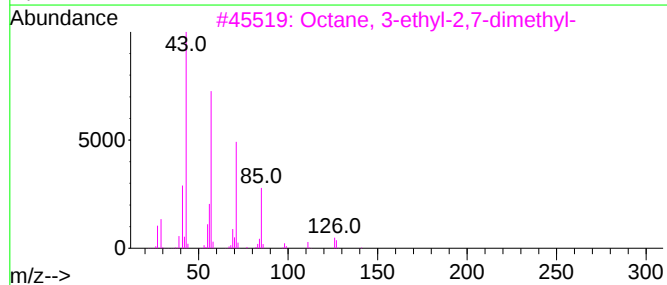
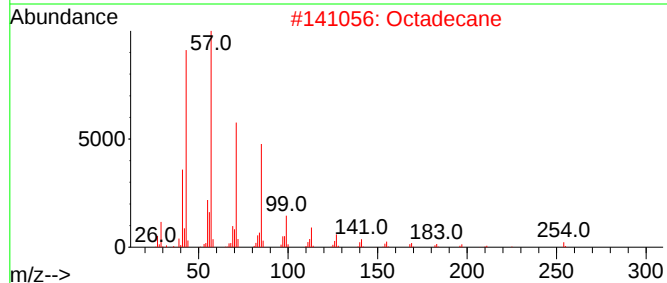
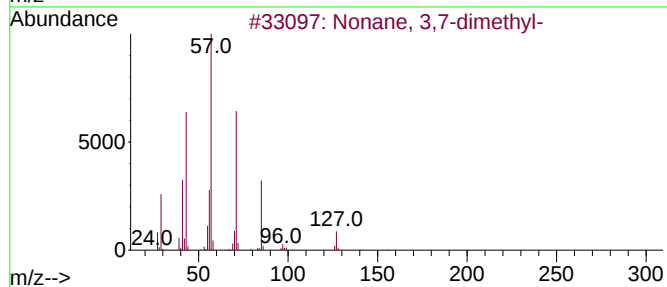
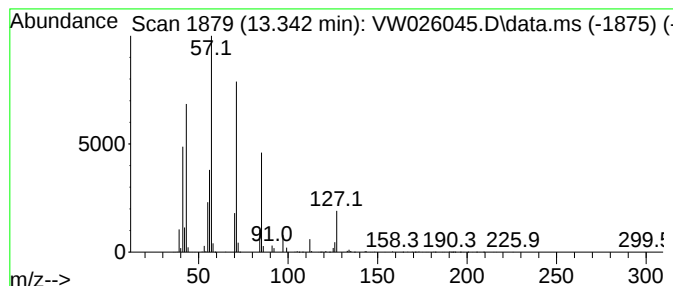
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.342	30.20 ug/L	785843	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	78
2		Octadecane	254	C18H38	000593-45-3	72
3		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	72
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	59
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

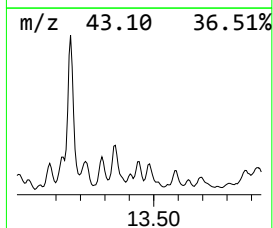
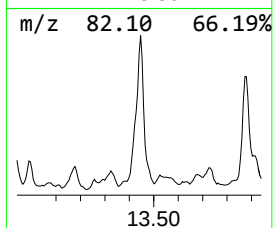
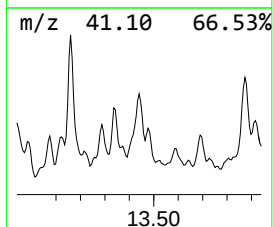
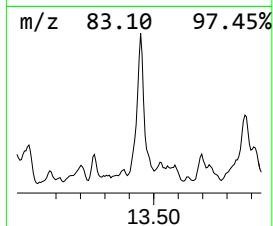
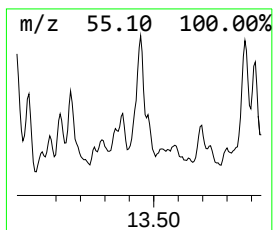
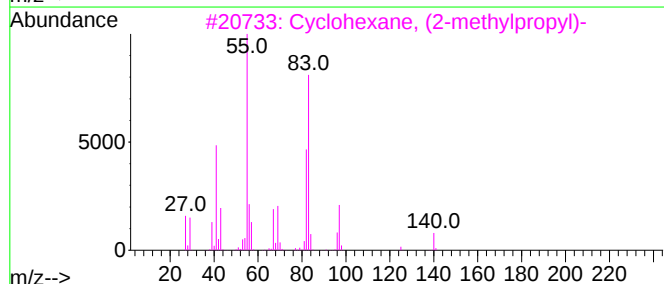
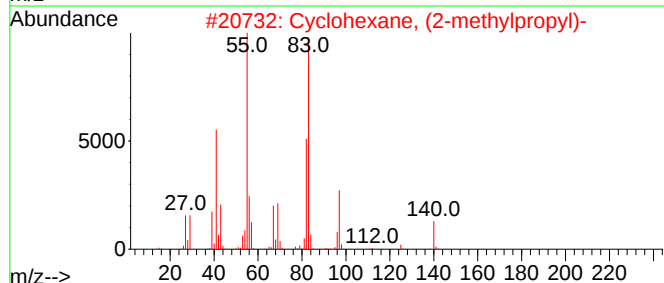
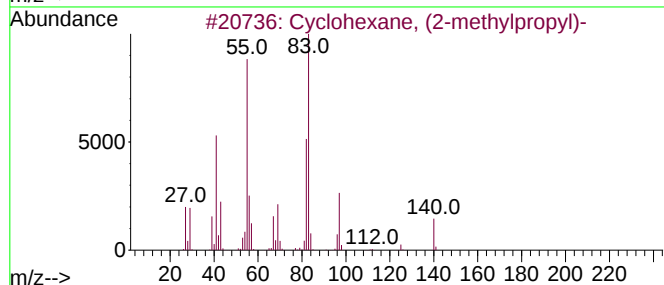
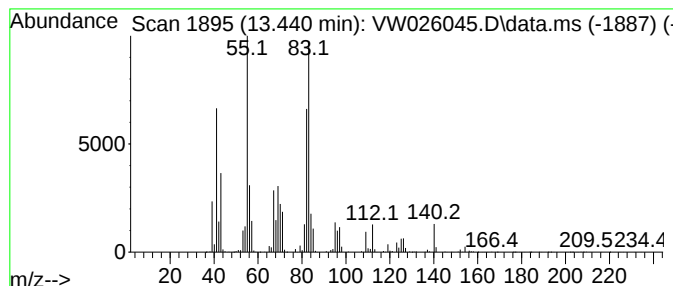
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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Cyclic13.440 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	100.99 ug/L	2628190	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	70
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	70
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

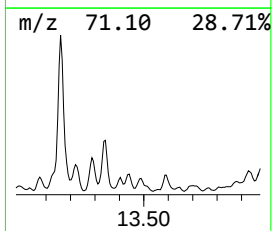
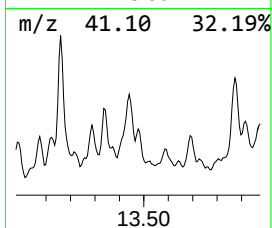
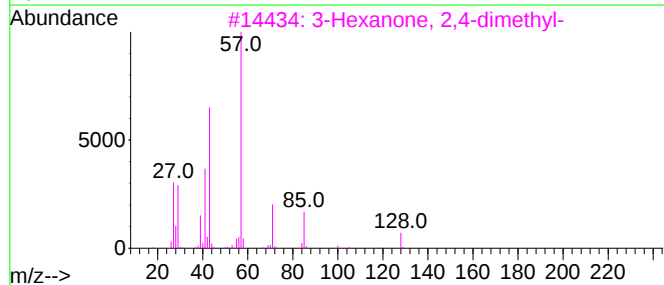
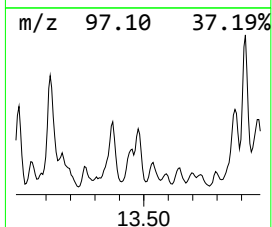
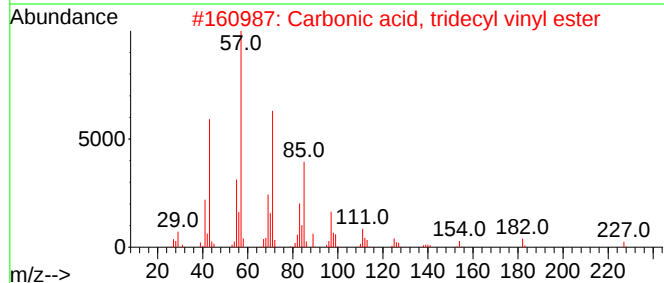
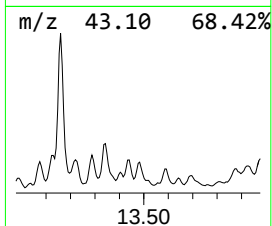
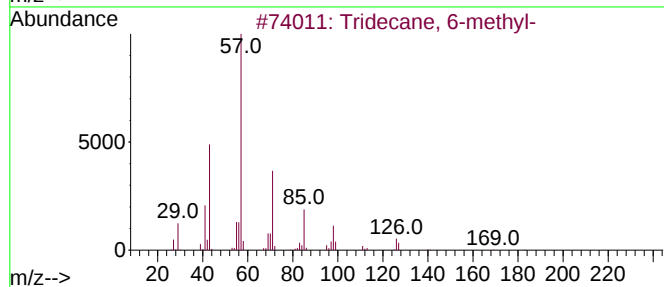
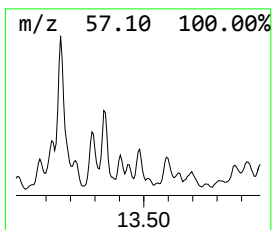
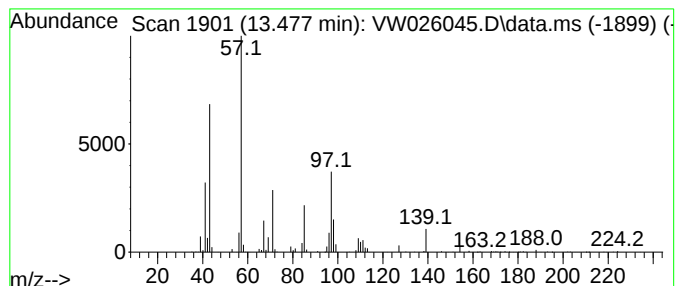
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Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	28.44 ug/L	740081	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
2			Carbonic acid, tridecyl vinyl ester	270	C16H30O3	1000382-54-7	38
3			3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	38
4			Dodecane	170	C12H26	000112-40-3	35
5			Pentadecane	212	C15H32	000629-62-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

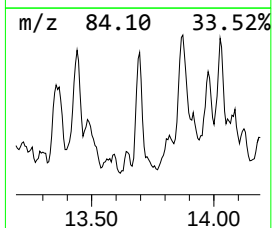
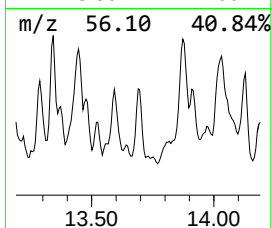
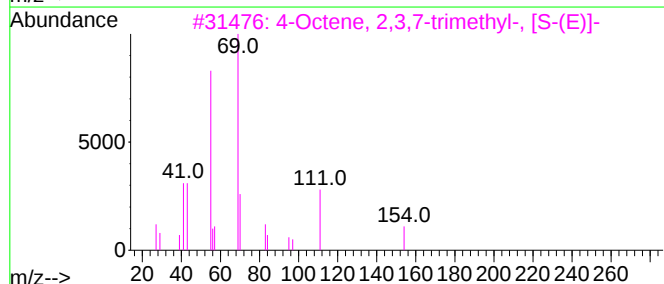
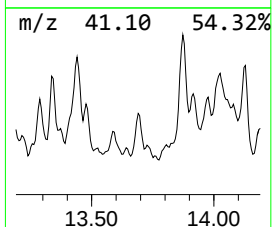
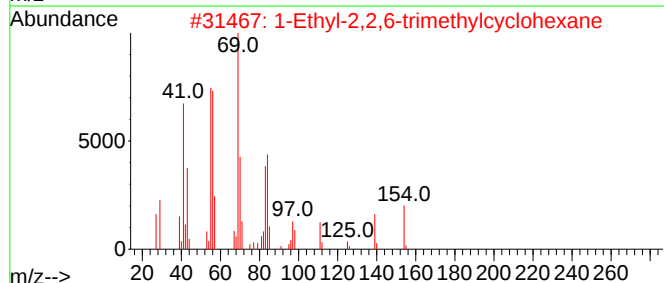
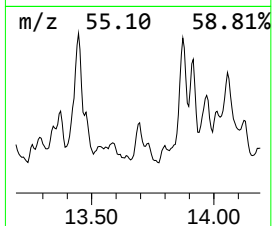
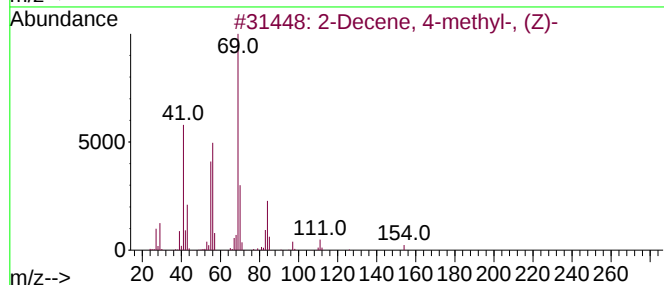
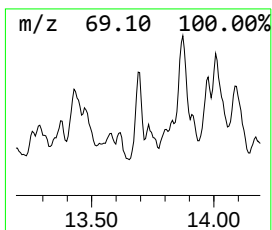
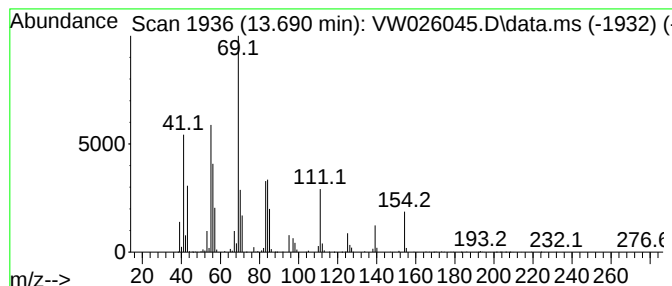
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.690	28.83 ug/L	750347	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	72
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	49
3	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	49
4	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	49
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

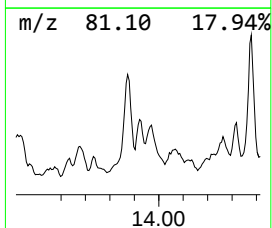
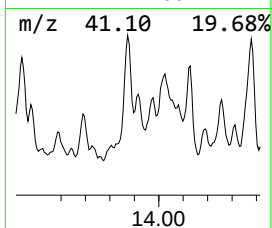
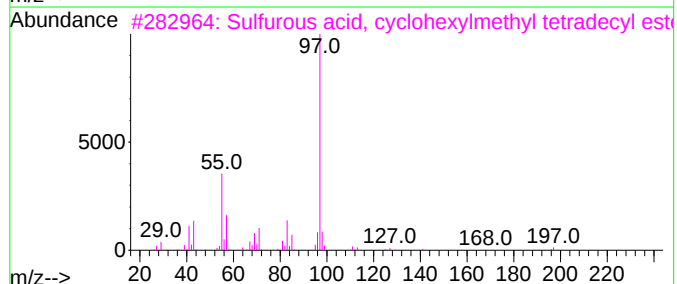
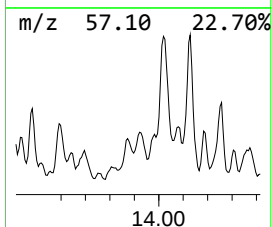
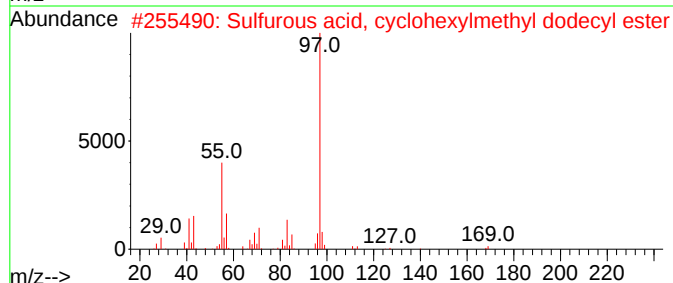
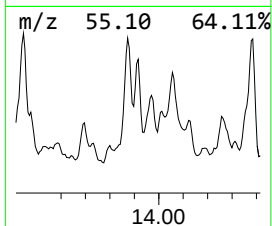
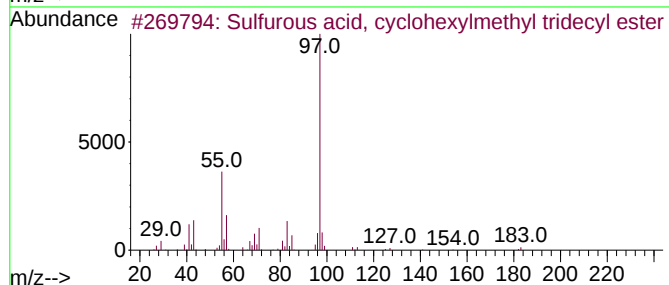
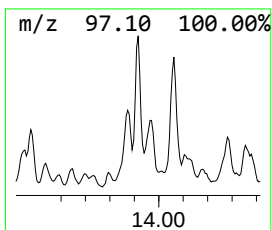
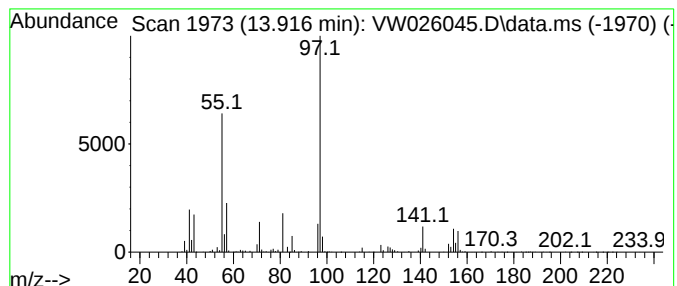
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Quant Title : SFAM01.0

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

Peak Number 55 Sulfurous acid, cyclohexylm... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	30.47 ug/L	792863	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	53
2			Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	53
3			Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	53
4			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
5			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

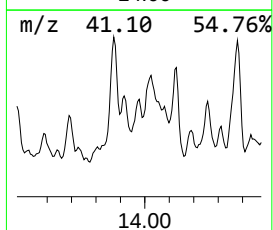
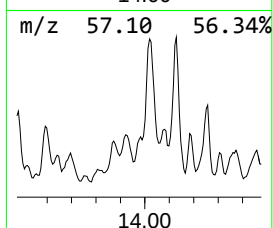
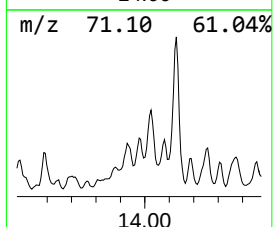
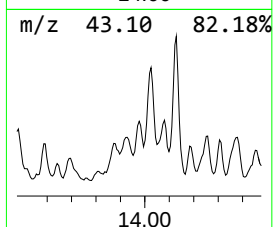
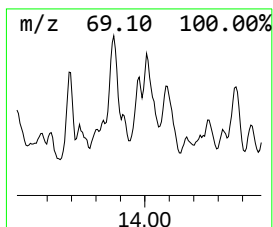
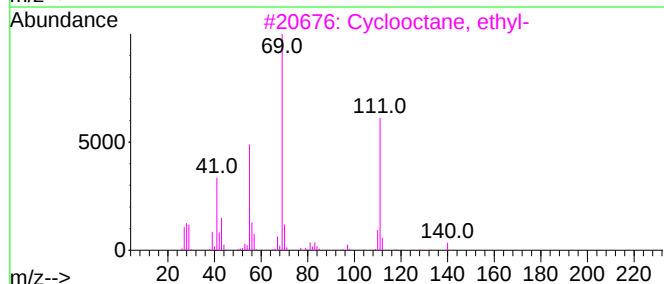
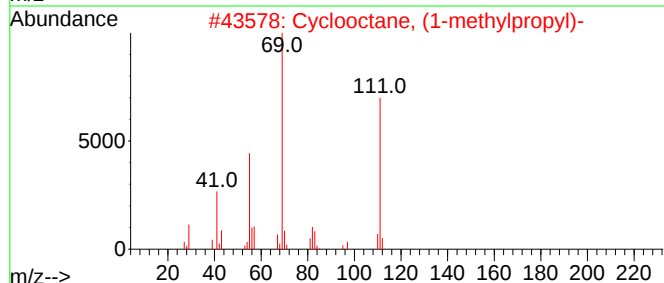
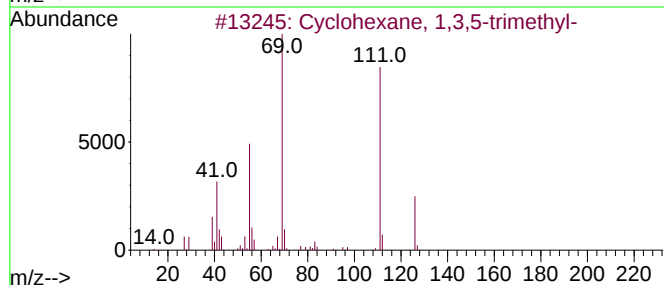
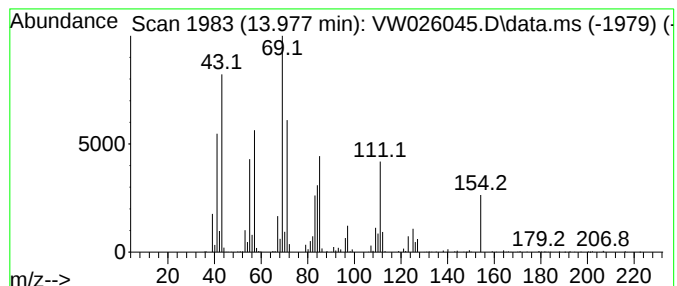
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Cyclic13.977 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.977	18.89 ug/L	491713	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	35
2	Cyclooctane, (1-methylpropyl)-		168	C12H24	016538-89-9	35
3	Cyclooctane, ethyl-		140	C10H20	013152-02-8	35
4	Cyclooctane, ethyl-		140	C10H20	013152-02-8	35
5	Cyclooctanemethanol		142	C9H18O	003637-63-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

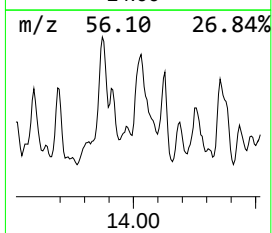
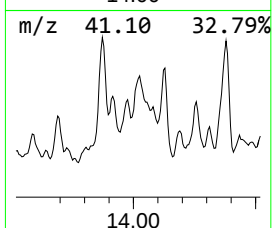
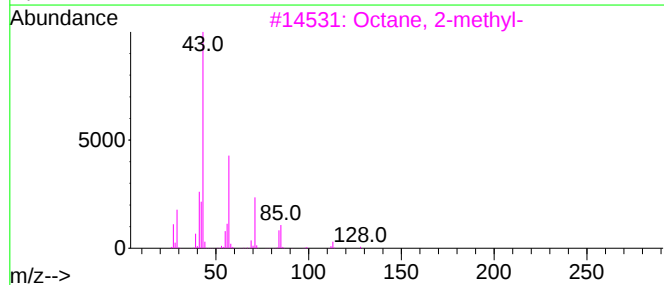
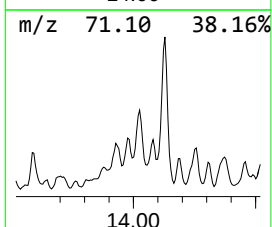
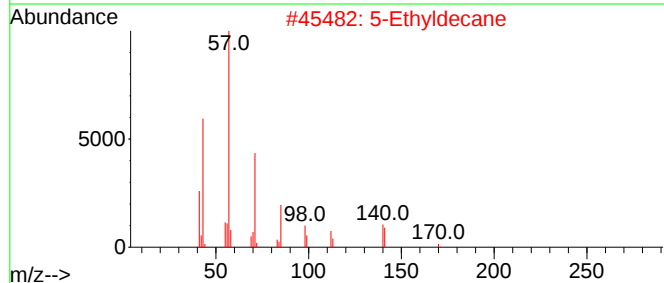
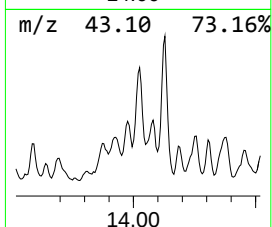
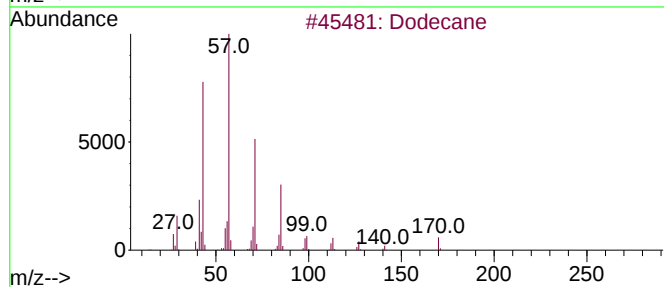
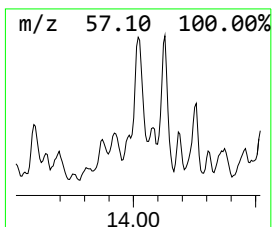
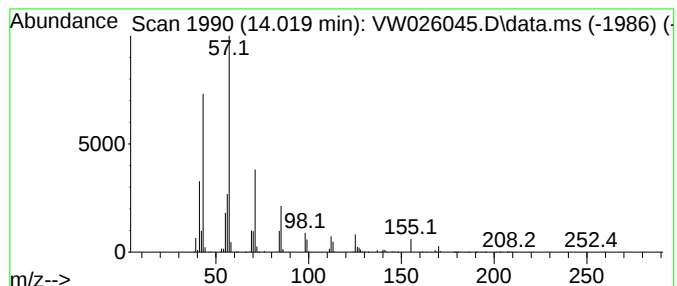
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MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.019	37.23 ug/L	968911	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	81
2	5-Ethyldecane	170	C12H26	017302-36-2	74
3	Octane, 2-methyl-	128	C9H20	003221-61-2	72
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
5	Undecane	156	C11H24	001120-21-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

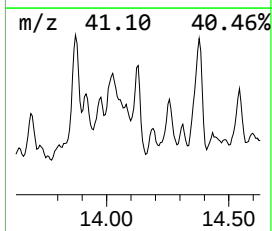
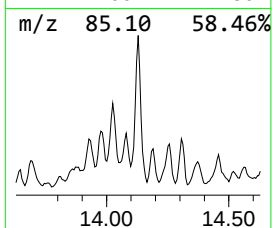
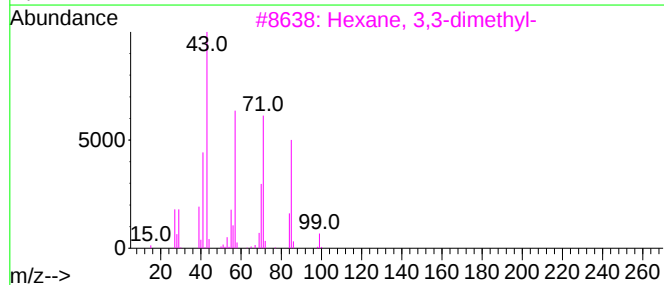
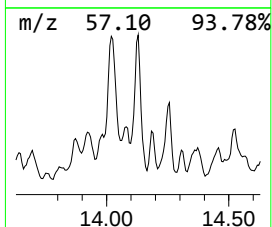
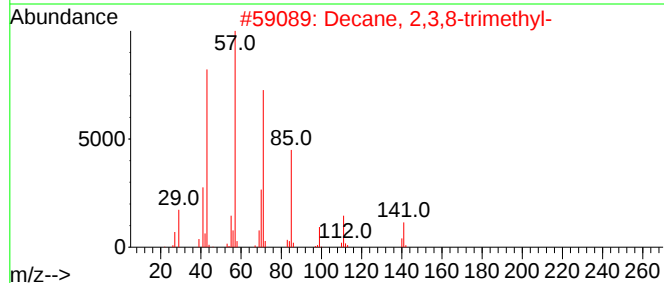
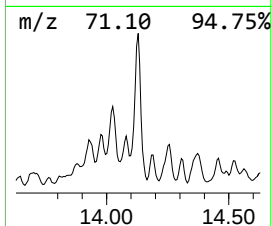
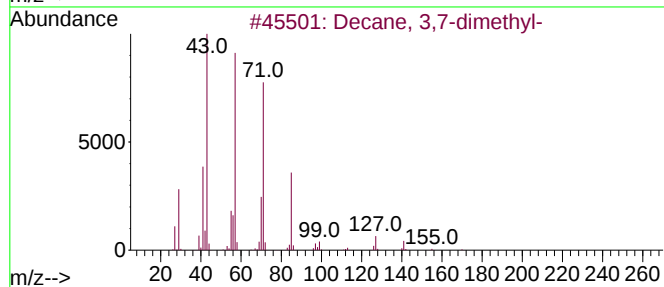
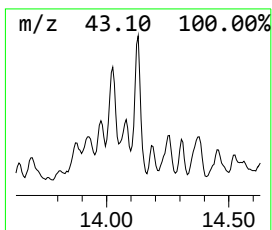
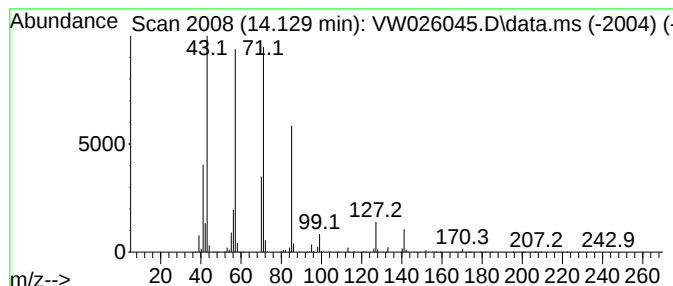
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.129	65.56 ug/L	1706090	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	94
2	Decane, 2,3,8-trimethyl-		184	C13H28	062238-14-6	72
3	Hexane, 3,3-dimethyl-		114	C8H18	000563-16-6	72
4	Undecane, 5-methyl-		170	C12H26	001632-70-8	68
5	Tridecane, 3-methyl-		198	C14H30	006418-41-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

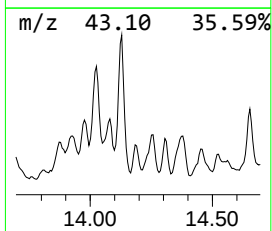
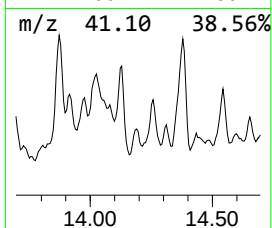
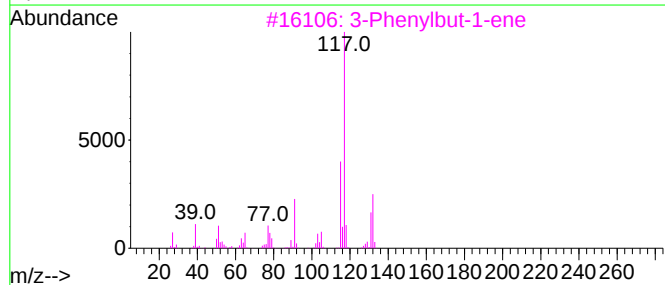
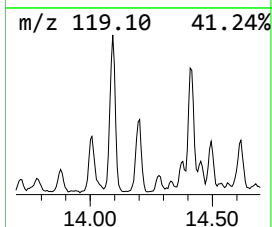
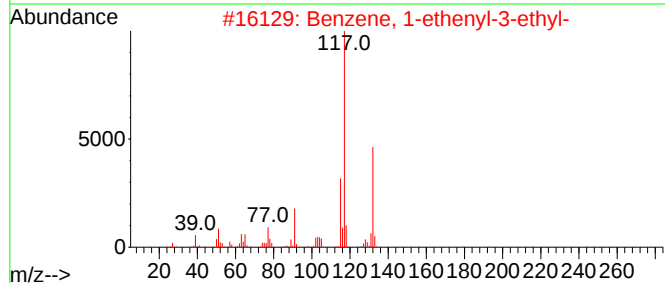
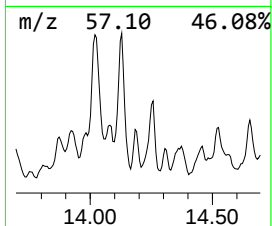
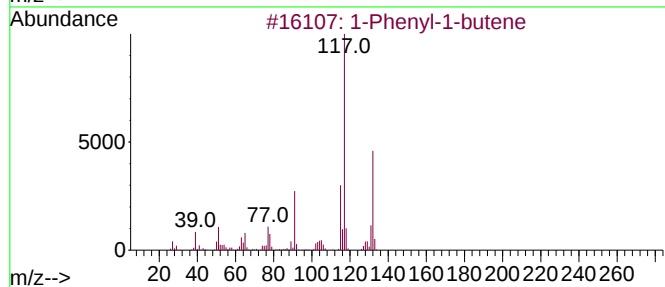
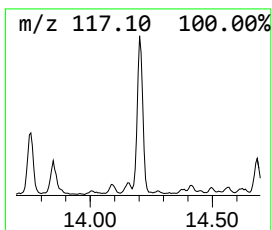
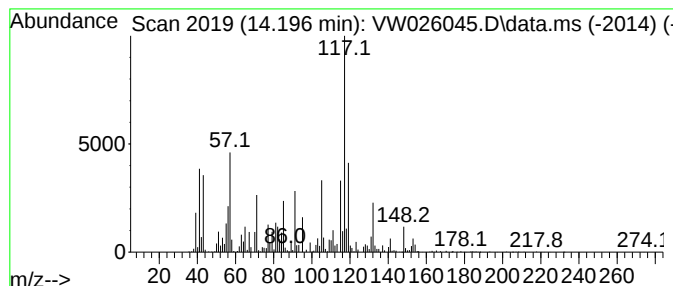
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Quant Title : SFAM01.0

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

Peak Number 59 1-Phenyl-1-butene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.196	40.03 ug/L	1041820	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

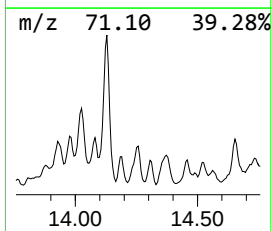
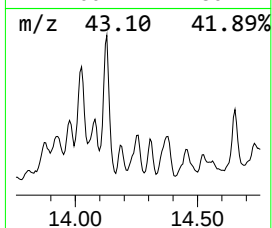
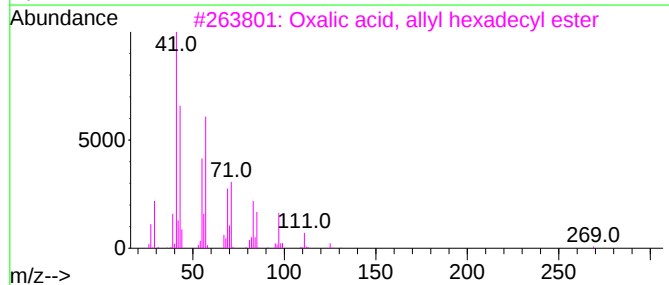
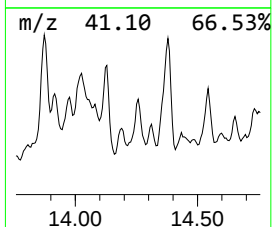
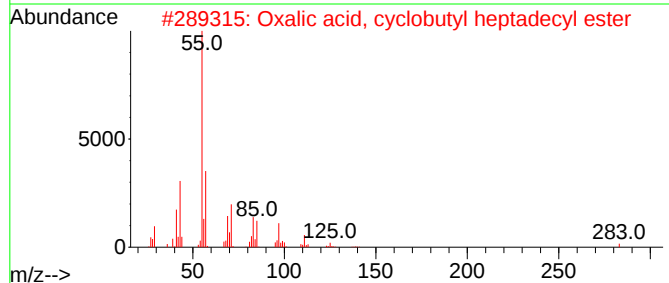
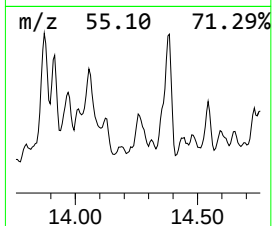
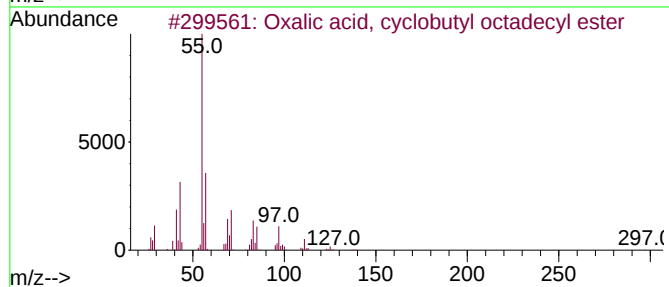
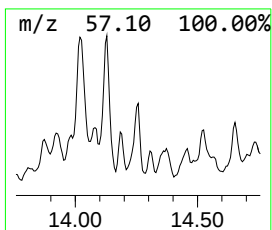
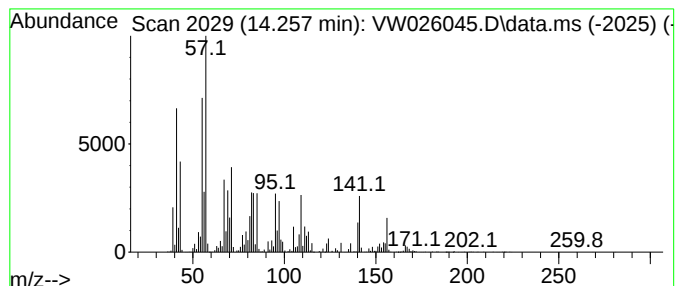
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Quant Title : SFAM01.0

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

Peak Number 60 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	51.58 ug/L	1342370	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclobutyl octadecyl ester	396	C24H44O4	1000309-70-8	46
2			Oxalic acid, cyclobutyl heptadecyl ester	382	C23H42O4	1000309-70-7	43
3			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	43
4			Oxalic acid, cyclobutyl hexadecyl ester	368	C22H40O4	1000309-70-6	43
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

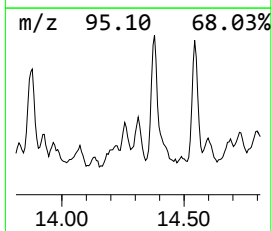
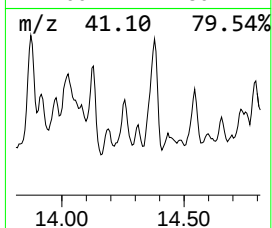
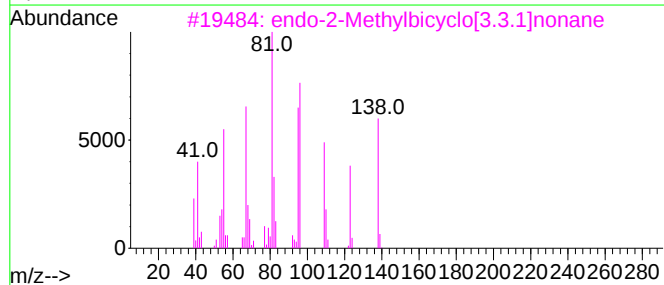
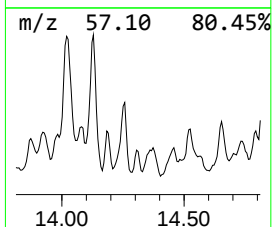
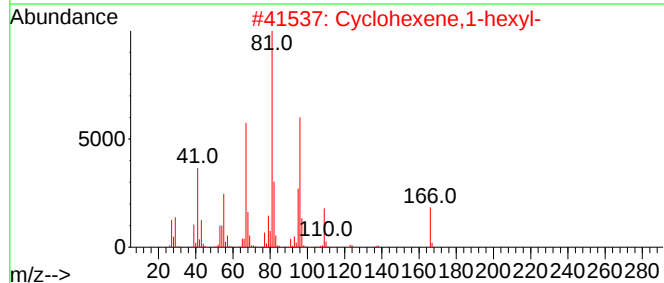
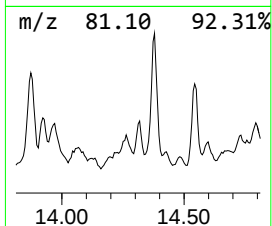
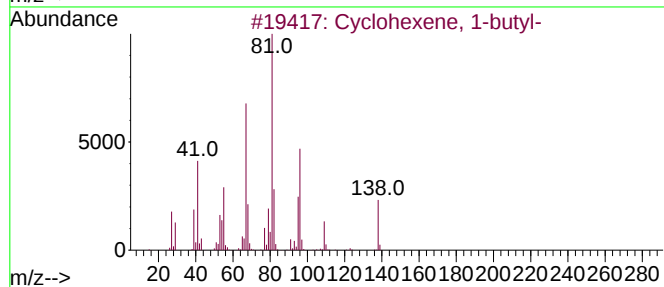
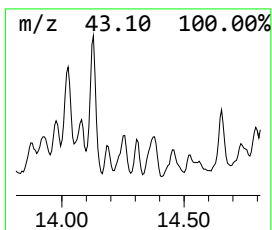
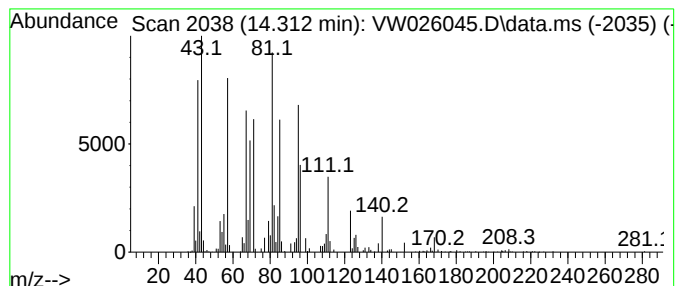
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Quant Title : SFAM01.0

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

Peak Number 61 Cyclohexene, 1-butyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	13.91 ug/L	362050	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	50
2			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	50
3			endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	46
4			Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	46
5			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

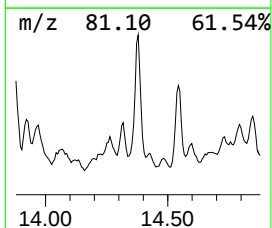
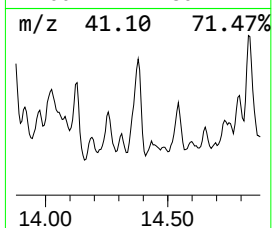
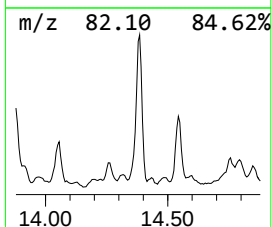
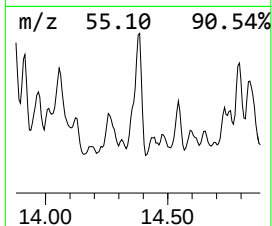
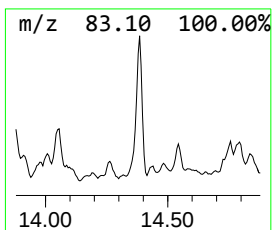
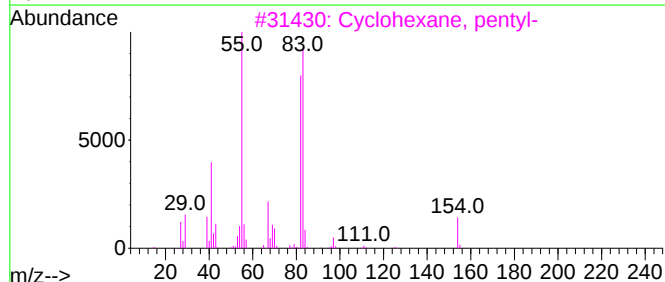
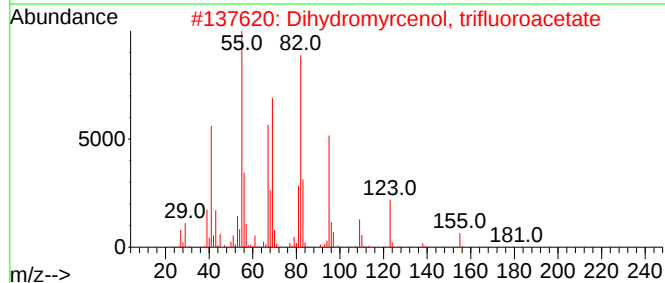
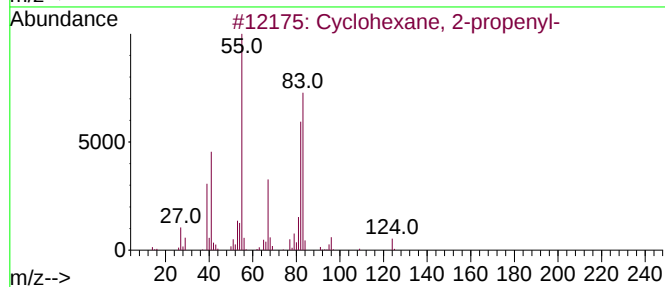
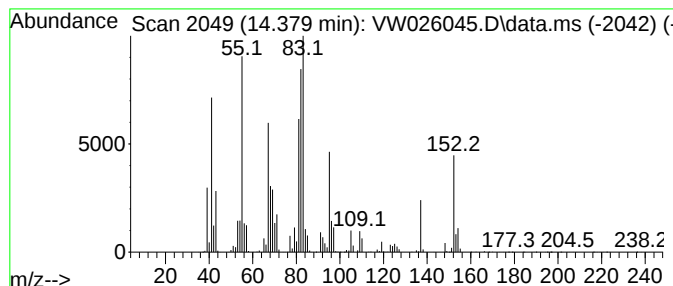
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Quant Title : SFAM01.0

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

Peak Number 62 Cyclohexane, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	111.16 ug/L	2892910	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	60
2			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	49
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	46
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

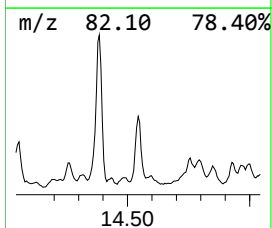
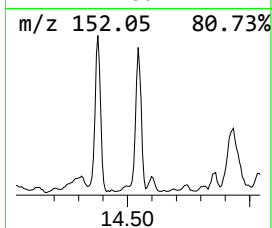
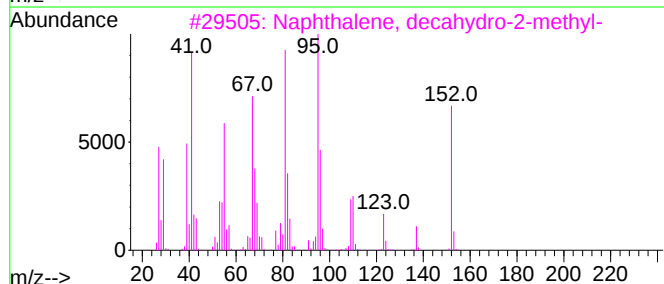
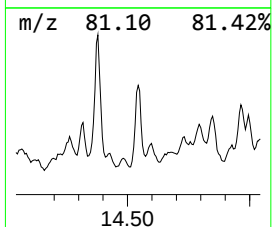
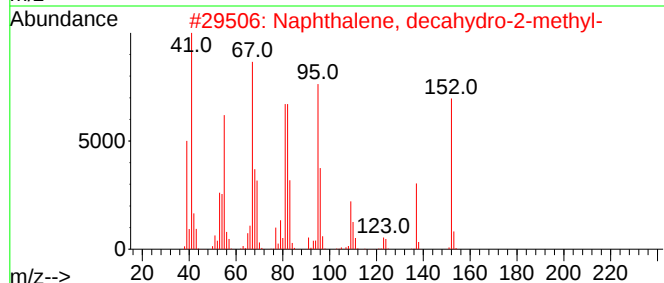
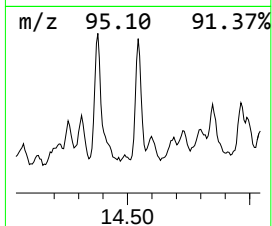
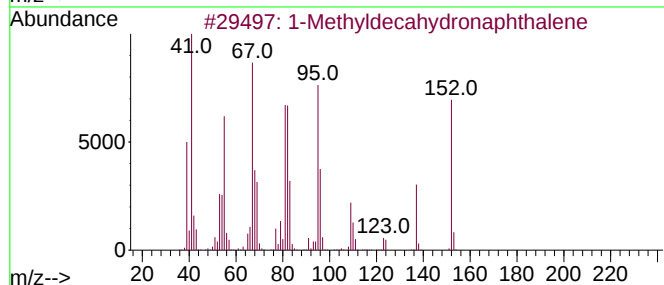
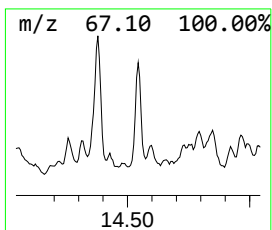
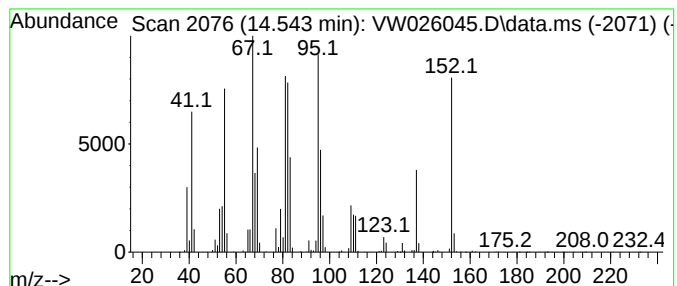
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Quant Title : SFAM01.0

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

Peak Number 63 1-Methyldecahydronaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	52.30 ug/L	1361070	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
4			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	70
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

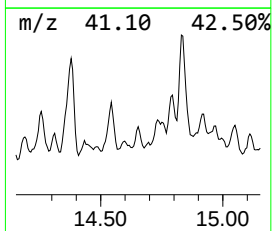
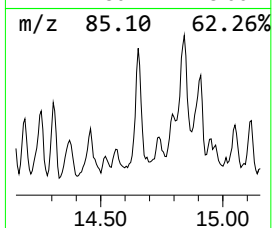
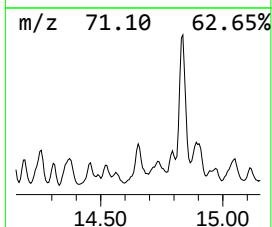
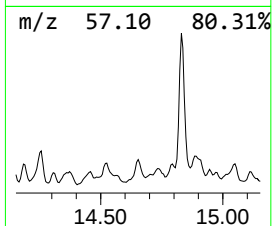
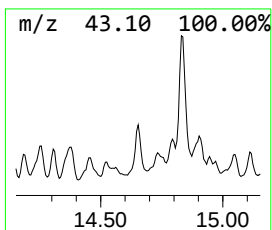
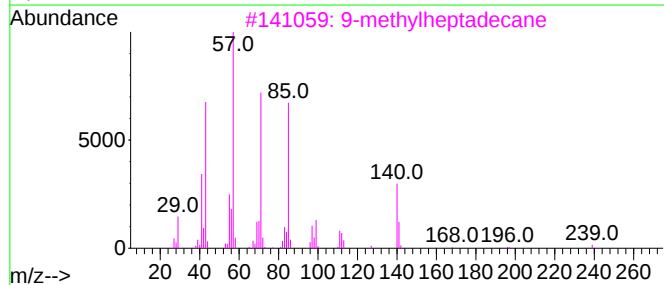
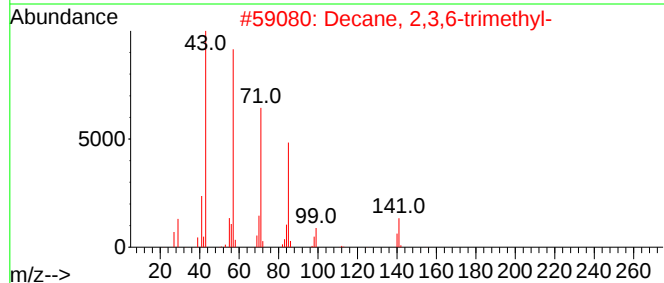
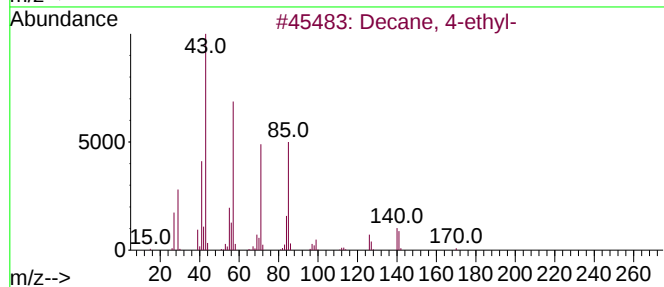
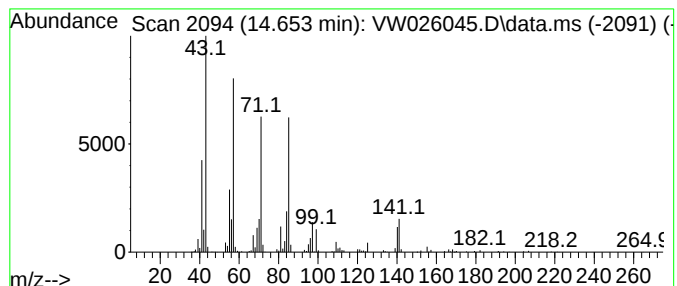
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Quant Title : SFAM01.0

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	12.37 ug/L	322033	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-ethyl-	170	C12H26	001636-44-8	87
2		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	80
3		9-methylheptadecane	254	C18H38	026741-18-4	80
4		Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	72
5		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

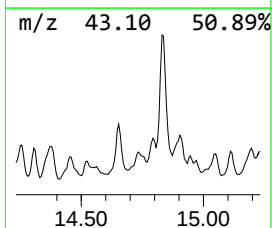
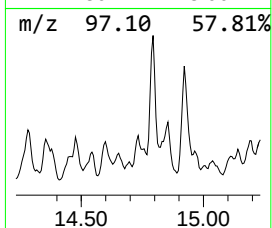
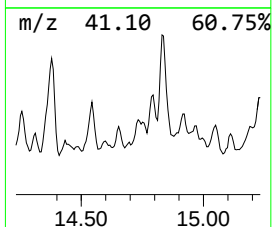
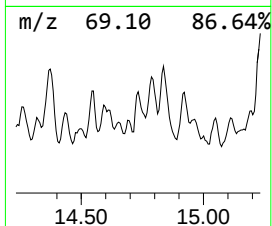
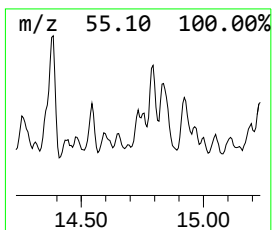
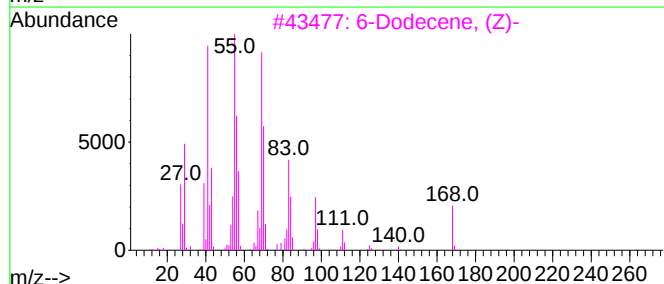
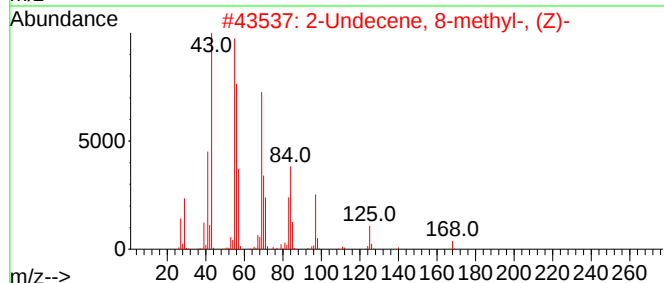
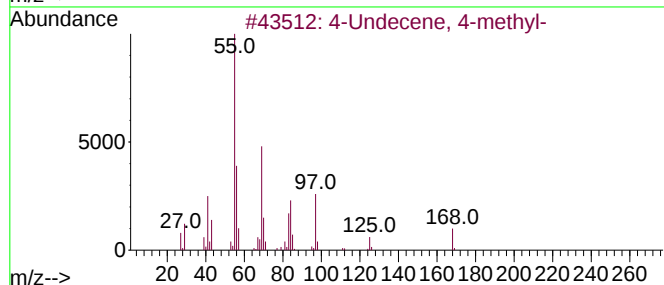
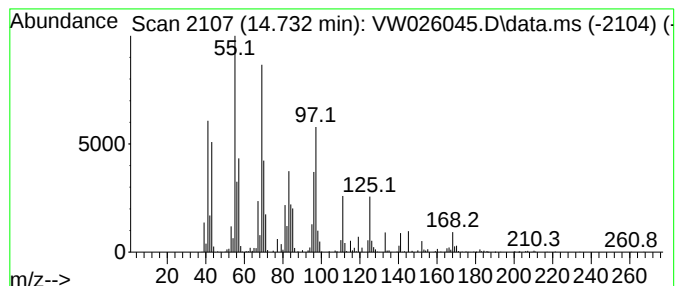
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.733	21.72 ug/L	565260	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Undecene, 4-methyl-		168	C12H24	061142-40-3	52
2	2-Undecene, 8-methyl-, (Z)-		168	C12H24	074630-44-7	52
3	6-Dodecene, (Z)-		168	C12H24	007206-29-3	49
4	6-Dodecene, (E)-		168	C12H24	007206-17-9	49
5	4-Dodecene, (E)-		168	C12H24	007206-15-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

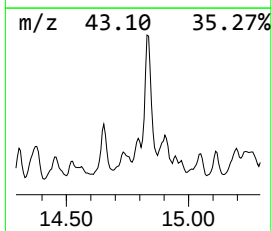
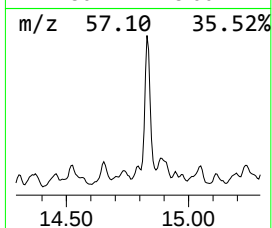
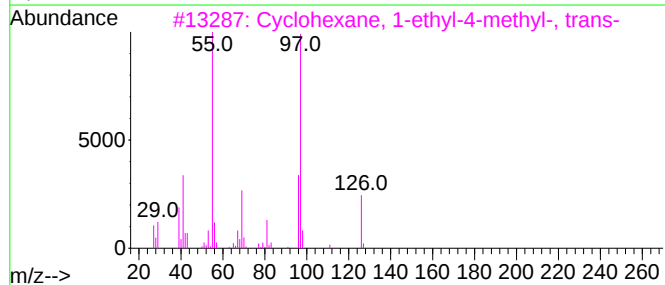
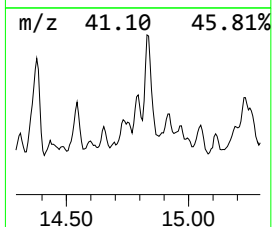
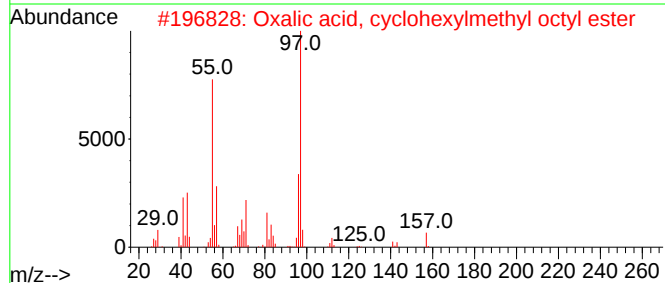
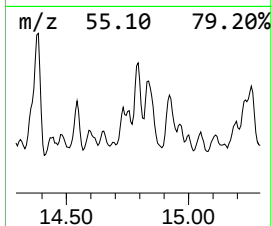
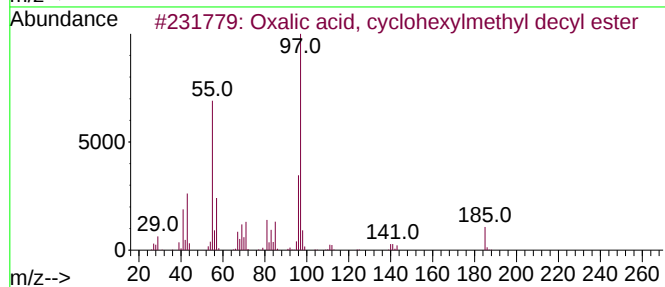
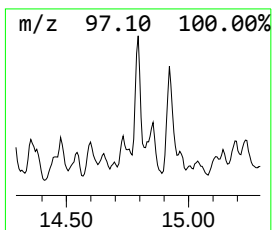
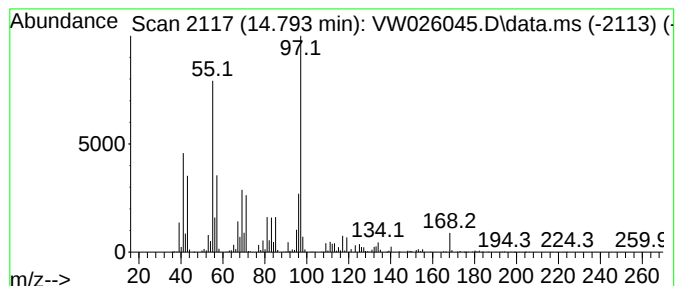
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Quant Title : SFAM01.0

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

Peak Number 66 Oxalic acid, cyclohexylmeth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	42.61 ug/L	1108930	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	72
2			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	64
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	58
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

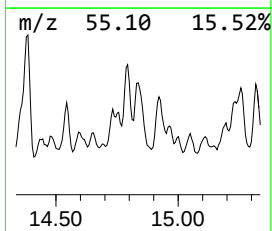
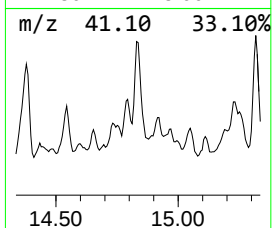
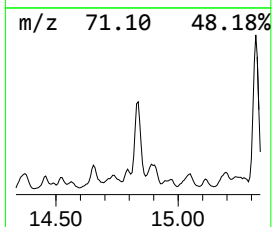
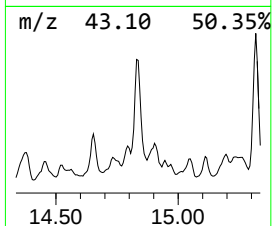
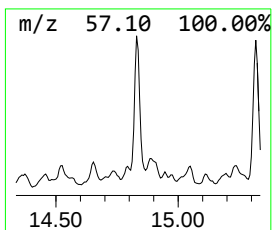
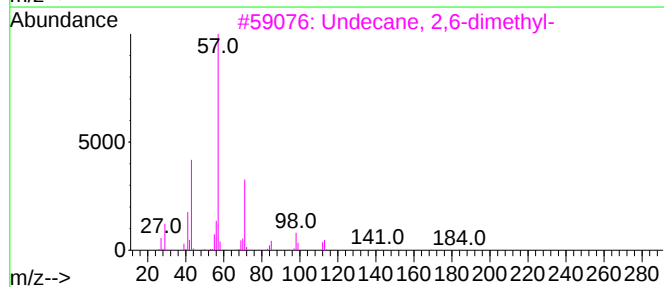
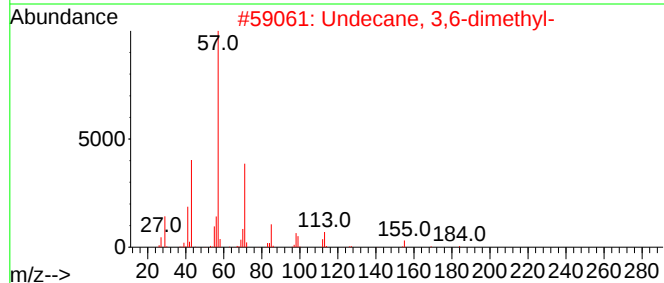
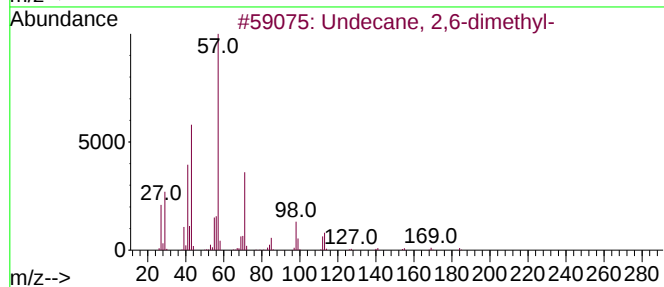
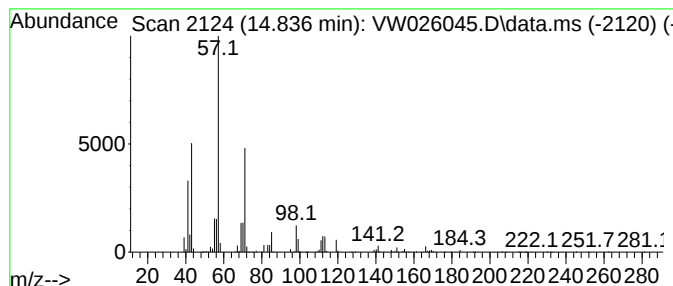
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Quant Title : SFAM01.0

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	99.50 ug/L	2589580	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
2			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
4			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
5			Dodecane, 6-methyl-	184	C13H28	006044-71-9	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

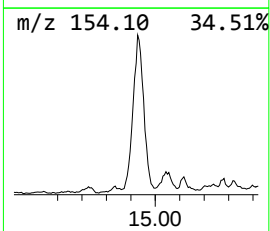
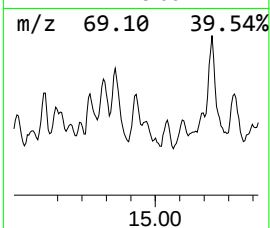
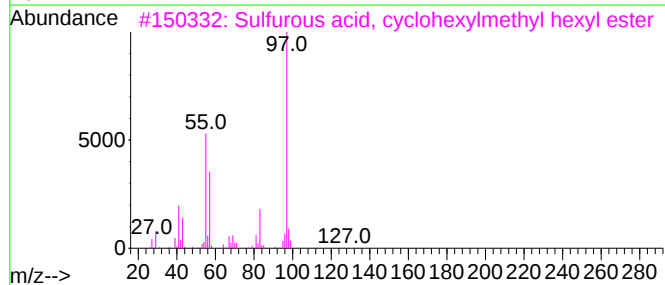
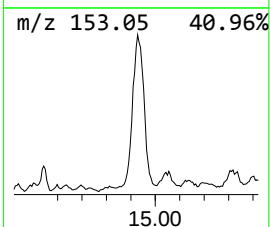
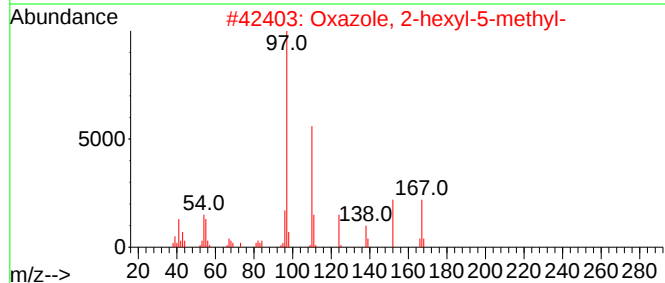
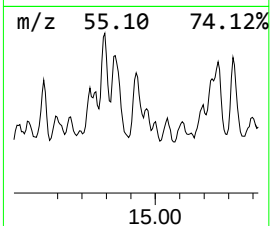
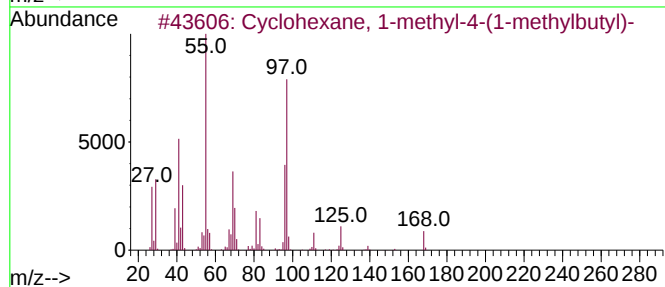
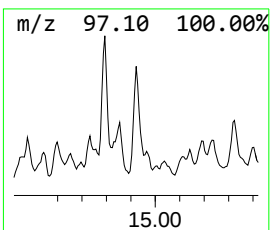
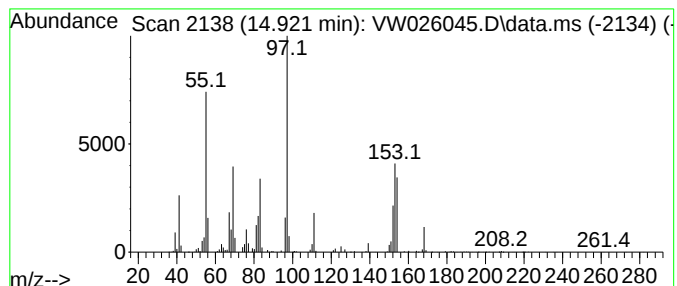
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Quant Title : SFAM01.0

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

Peak Number 68 (DEL) Alkane: Cyclic14.922 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.922	23.46 ug/L	610573	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methylbutyl)-	168	C12H24	054411-00-6	43
2			Oxazole, 2-hexyl-5-methyl-	167	C10H17NO	016400-62-7	38
3			Sulfurous acid, cyclohexylmethyl hexyl ester	262	C13H26O3S	1010309-21-6	38
4			Sulfurous acid, di(cyclohexylmethyl) ester	274	C14H26O3S	1010309-22-7	38
5			Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

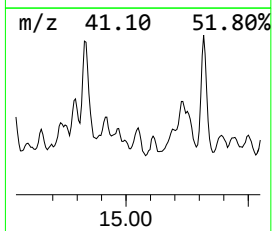
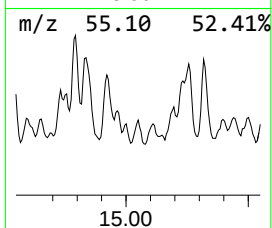
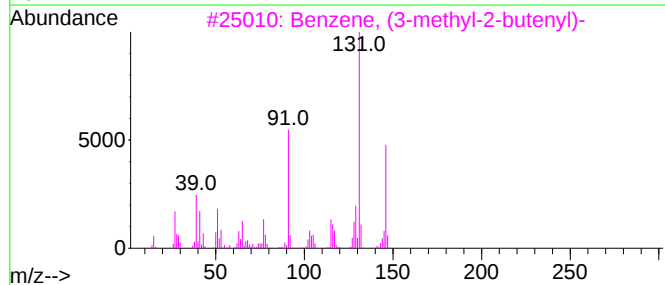
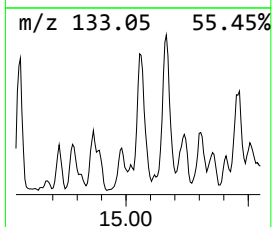
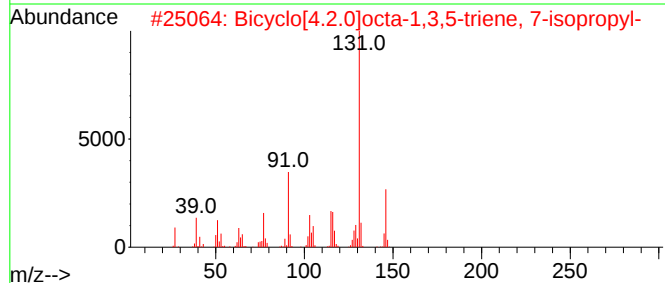
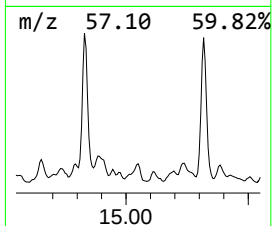
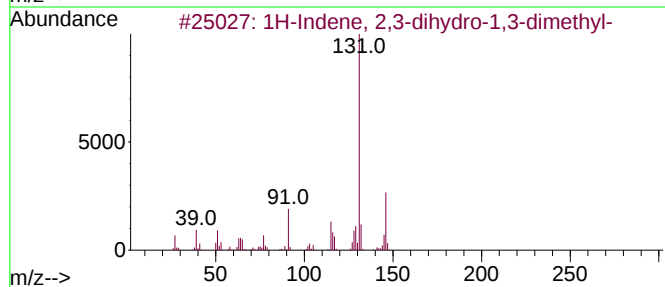
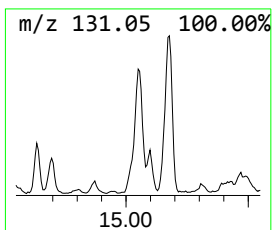
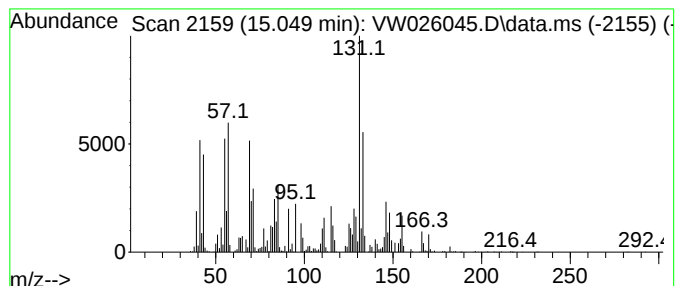
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Quant Title : SFAM01.0

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

Peak Number 69 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.050	41.93 ug/L	1091260	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
2			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	46
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
4			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46
5			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

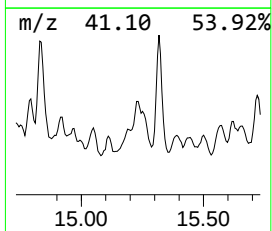
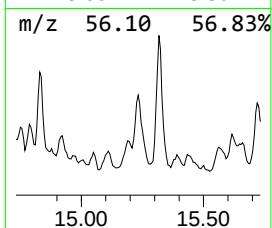
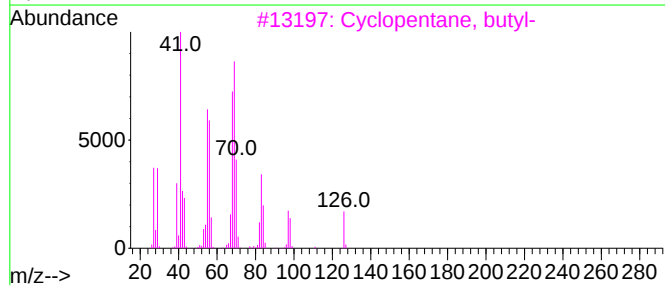
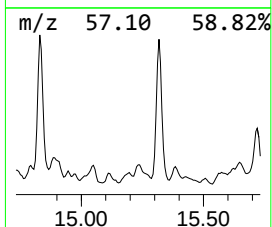
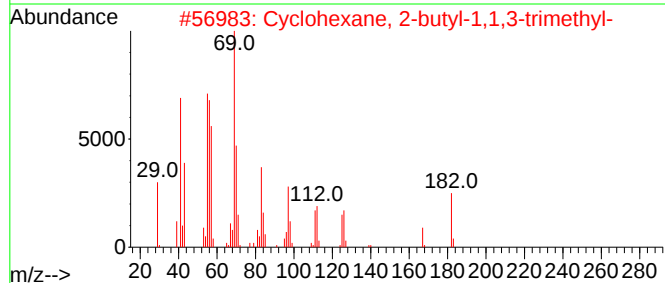
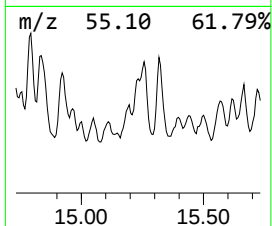
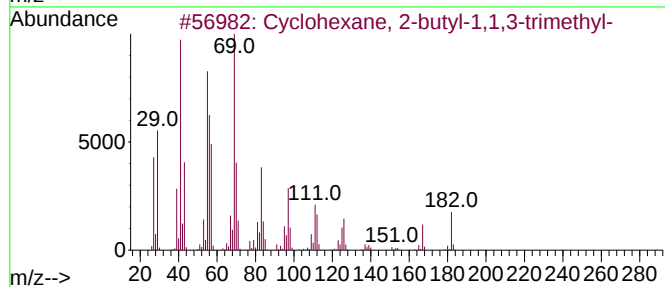
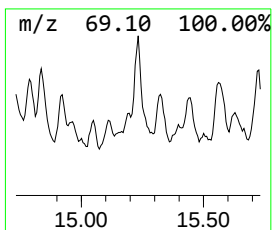
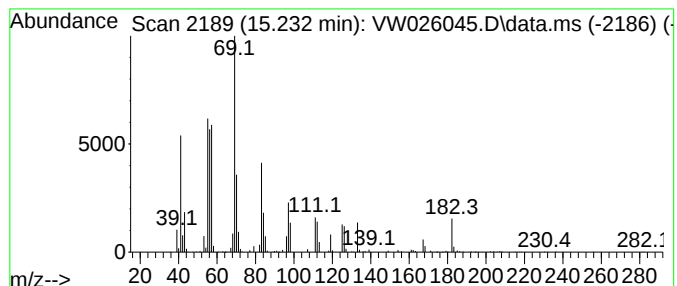
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 70 (DEL) Alkane: Cyclic15.232 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.232	16.59 ug/L	431877	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	81
4	Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	81
5	6-Tridecene	182	C13H26	024949-38-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

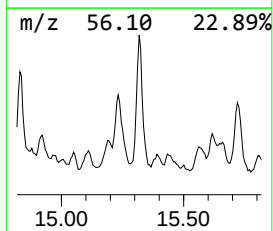
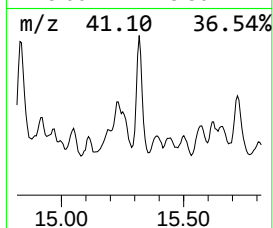
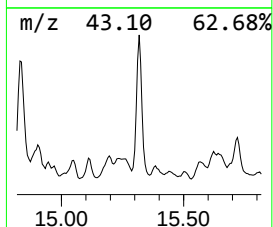
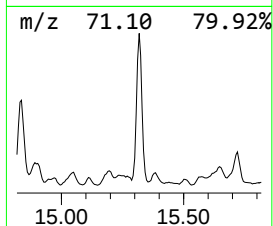
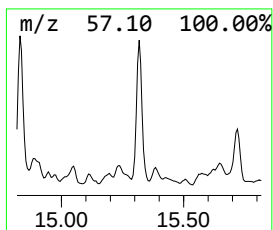
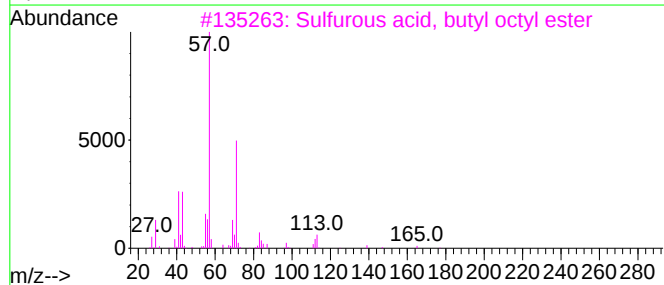
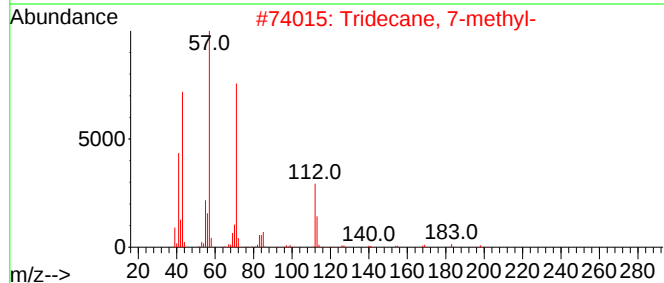
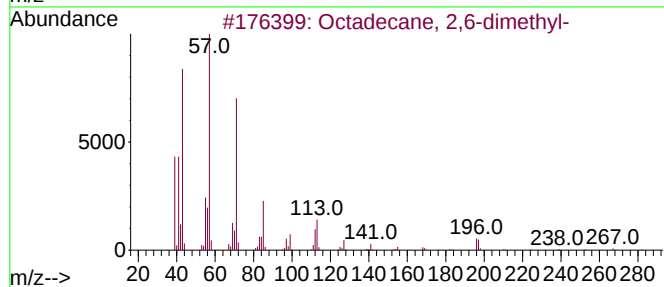
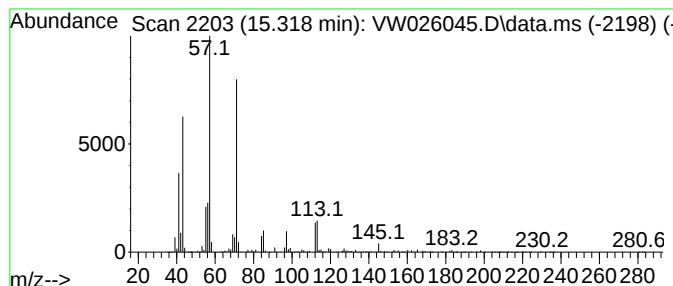
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Quant Title : SFAM01.0

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

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	115.18 ug/L	2997590	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	80
2			Tridecane, 7-methyl-	198	C14H30	026730-14-3	74
3			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

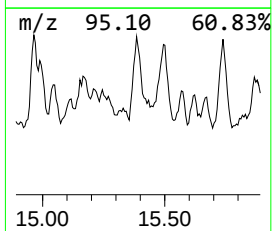
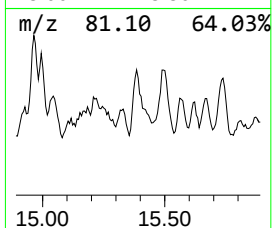
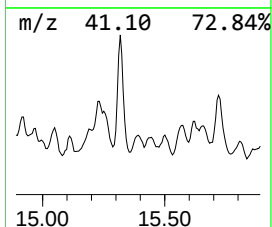
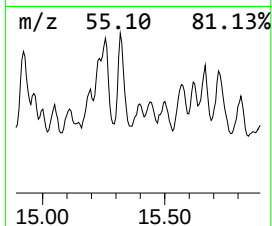
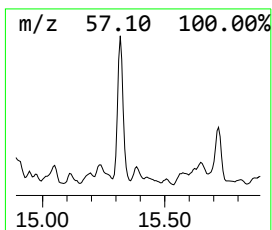
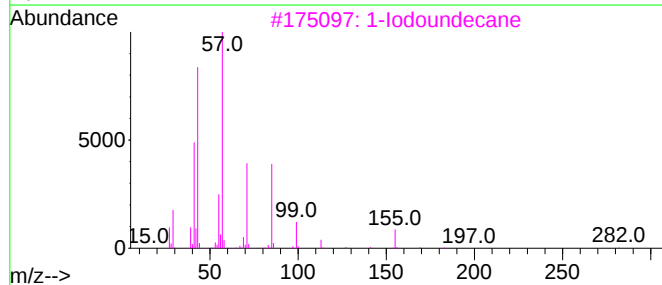
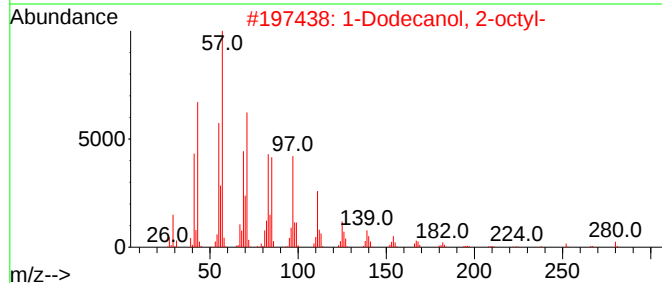
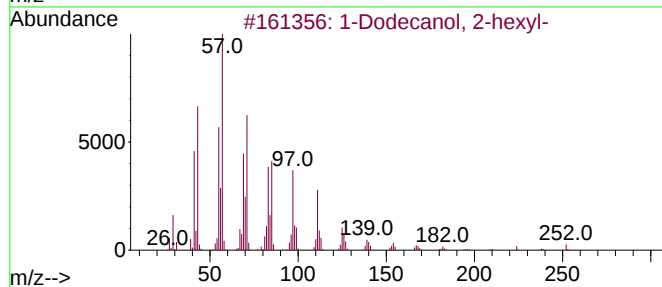
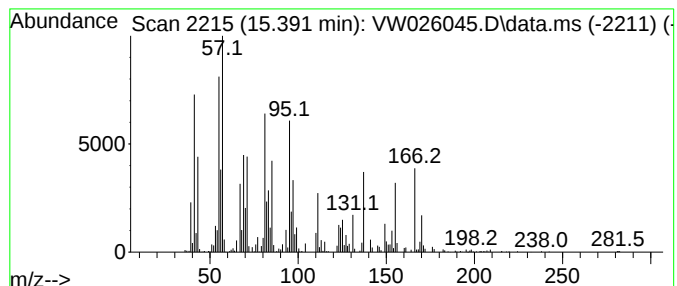
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Quant Title : SFAM01.0

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

Peak Number 72 unknown-04 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	23.00 ug/L	598657	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	41
2			1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	38
3			1-Iodoundecane	282	C11H23I	004282-44-4	35
4			Heptadecane, 1-bromo-	318	C17H35Br	003508-00-7	30
5			Triacetyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

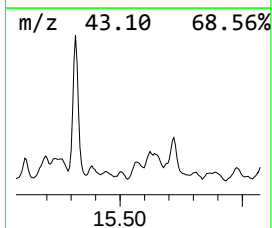
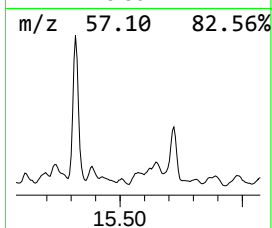
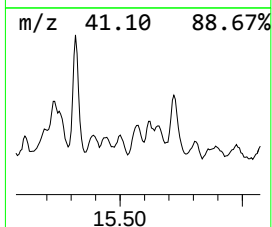
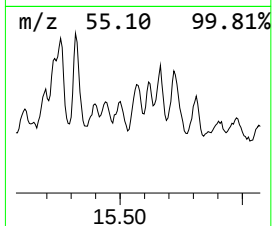
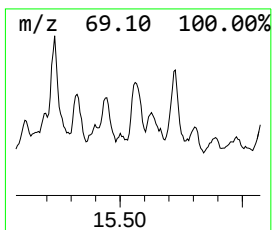
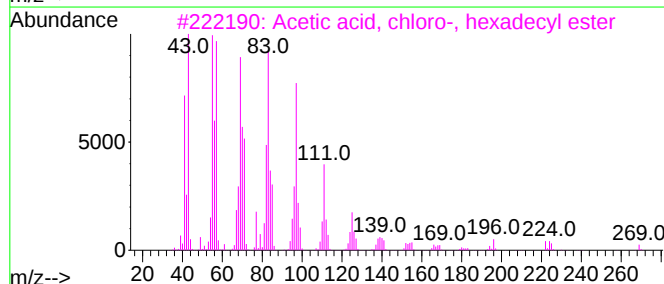
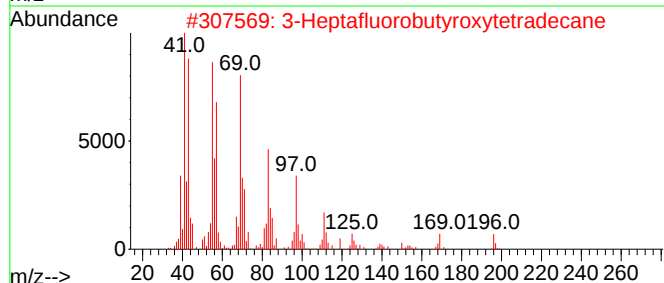
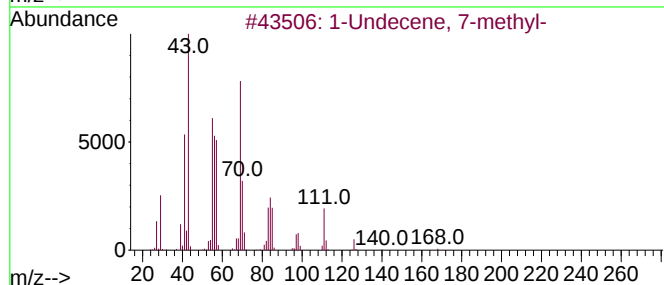
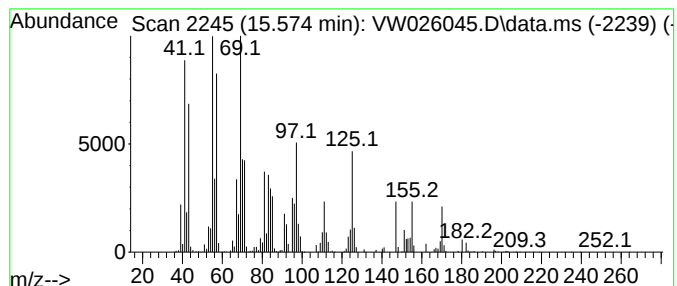
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Quant Title : SFAM01.0

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.574	42.32 ug/L	1101360	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Undecene, 7-methyl-	168	C12H24	074630-42-5	56
2			3-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-8	43
3			Acetic acid, chloro-, hexadecyl ...	318	C18H35ClO2	052132-58-8	30
4			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	25
5			7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

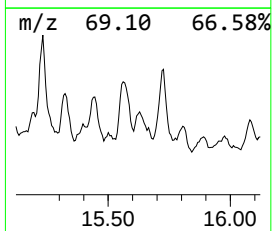
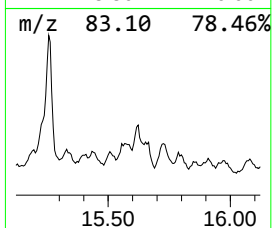
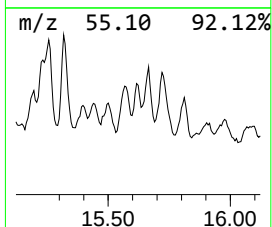
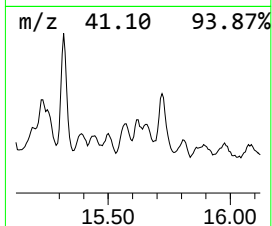
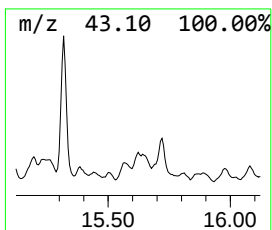
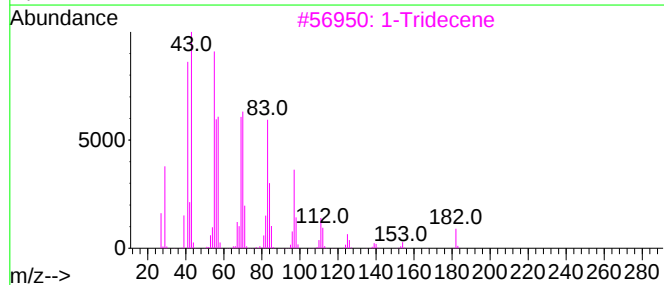
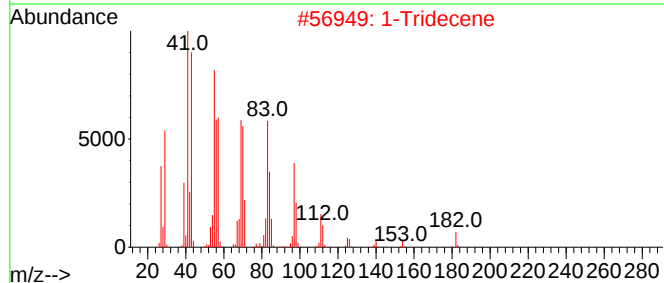
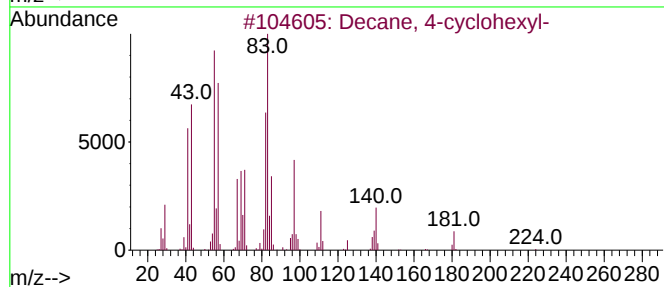
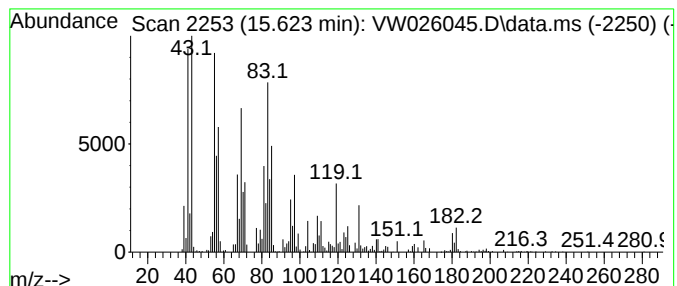
Instrument :
MSVOA_W
ClientSampleId :
EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.623	13.73 ug/L	357192	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-cyclohexyl-		224	C16H32	013151-75-2	43
2	1-Tridecene		182	C13H26	002437-56-1	43
3	1-Tridecene		182	C13H26	002437-56-1	43
4	2- Bromopropionic acid, pentadec...		362	C18H35BrO2	1000292-44-2	38
5	5-Eicosene, (E)-		280	C20H40	074685-30-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

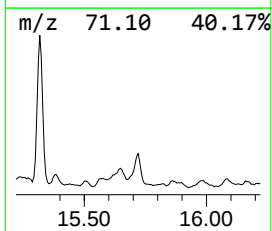
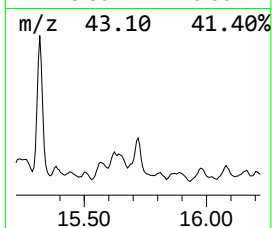
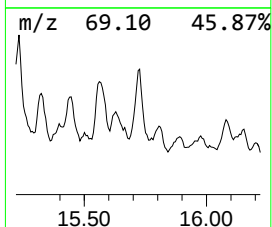
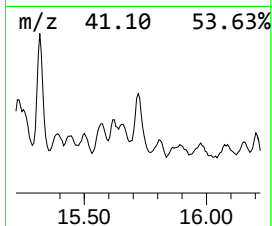
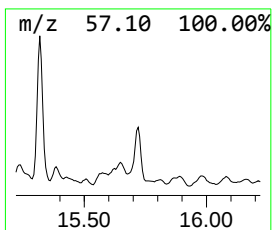
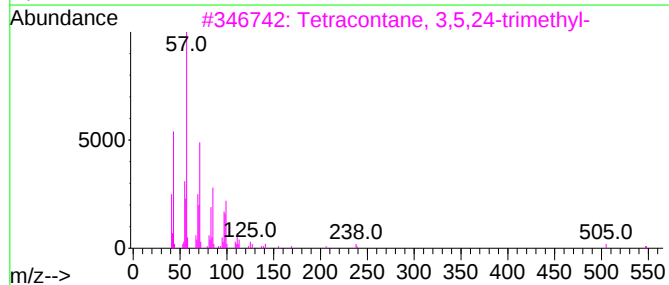
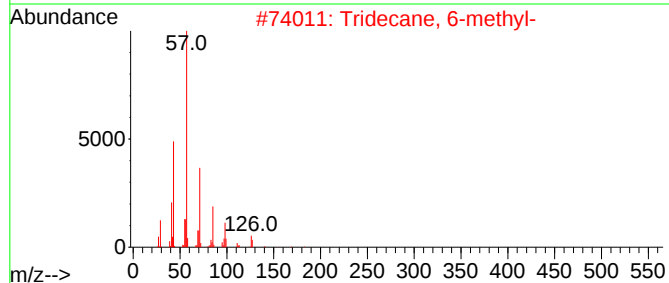
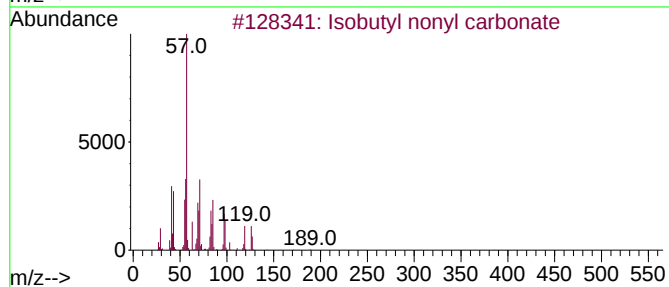
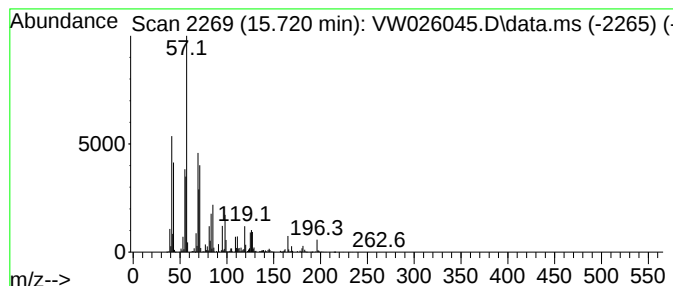
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Quant Title : SFAM01.0

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

Peak Number 75 Isobutyl nonyl carbonate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	67.21 ug/L	1749100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	64
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
3			Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	47
4			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	43
5			Undecane, 5-ethyl-	184	C13H28	017453-94-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

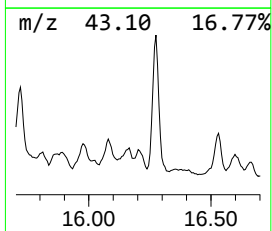
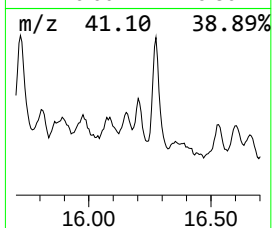
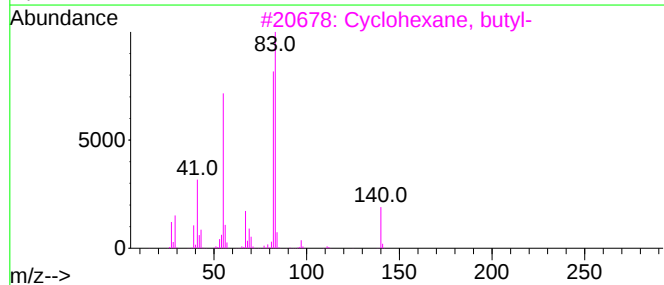
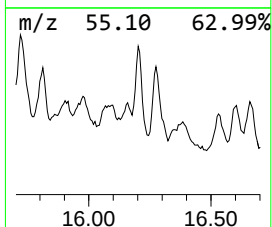
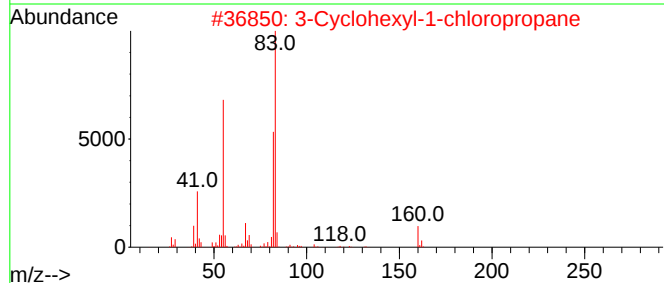
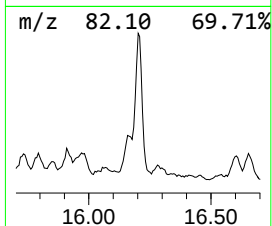
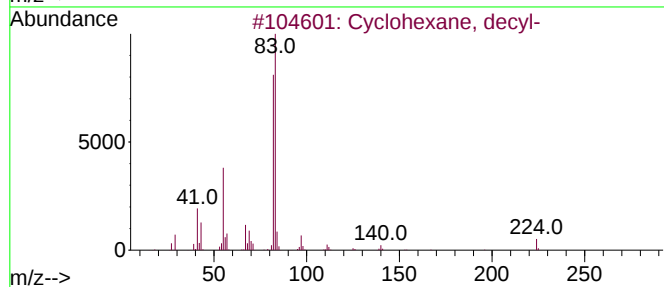
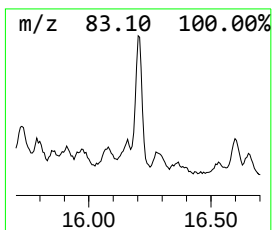
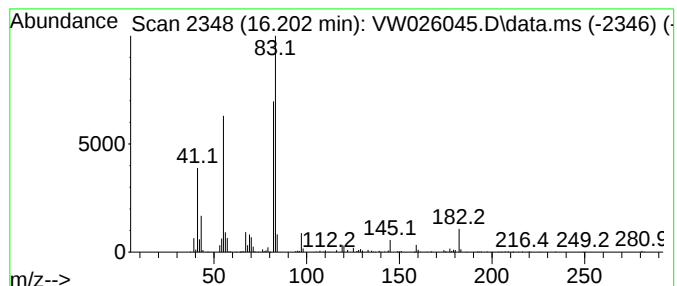
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Quant Title : SFAM01.0

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

Peak Number 76 (DEL) Alkane: Cyclic16.202 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.202	21.99 ug/L	572332	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, decyl-	224	C16H32	001795-16-0	72
2			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	72
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

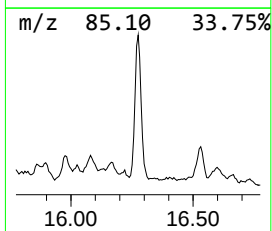
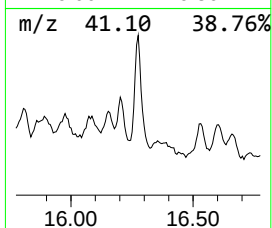
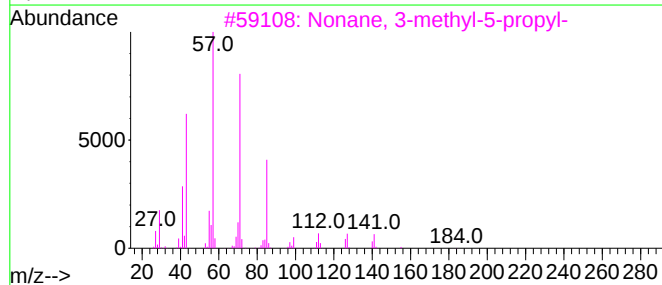
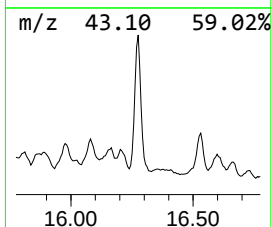
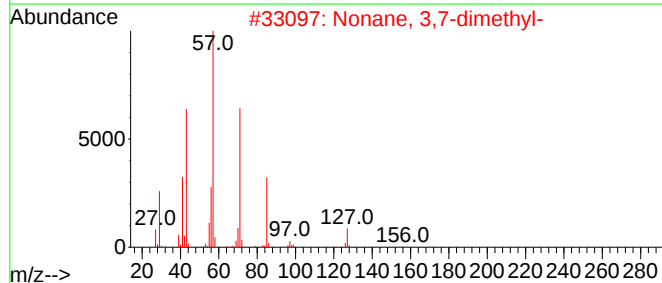
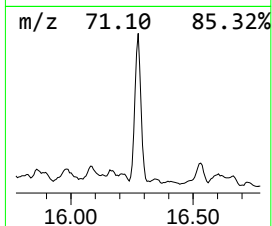
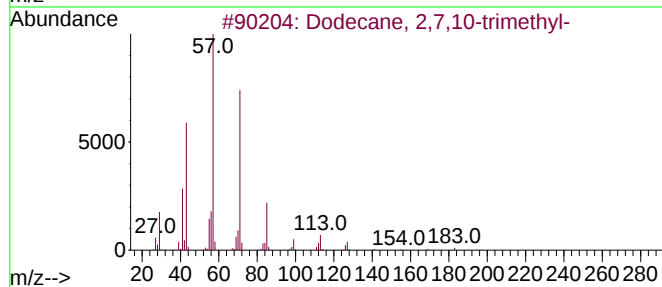
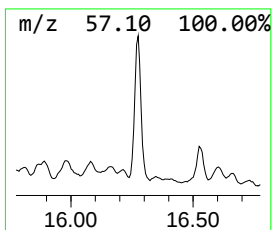
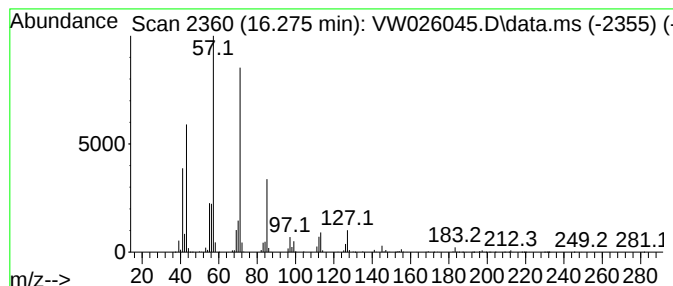
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Quant Title : SFAM01.0

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

Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	73.78 ug/L	1920190	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026045.D
Acq On : 25 May 2023 17:02
Operator : SY/MD
Sample : 02950-21
Misc : 2.94g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW997

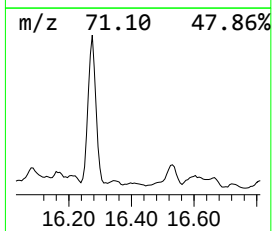
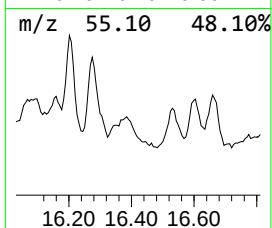
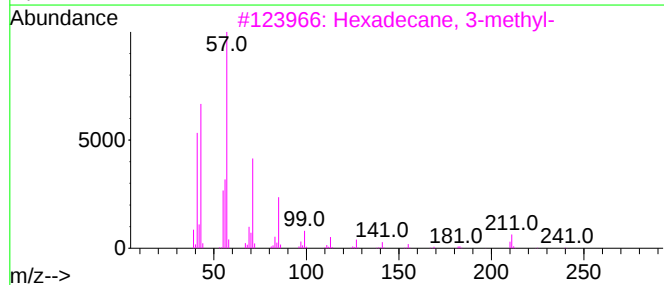
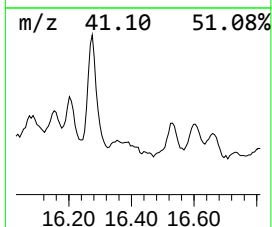
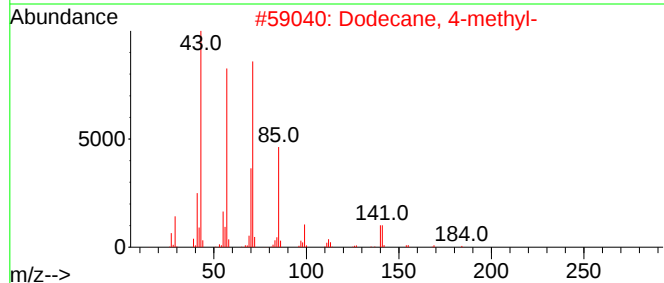
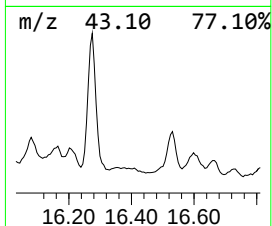
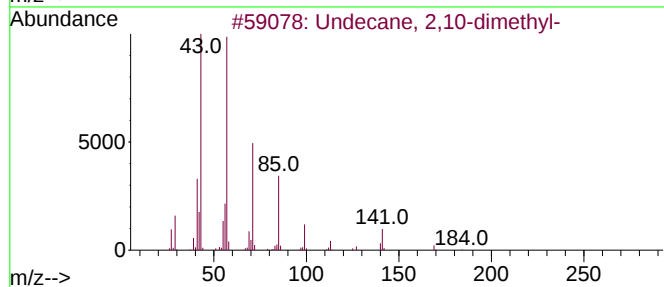
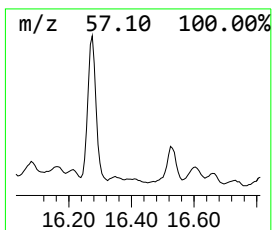
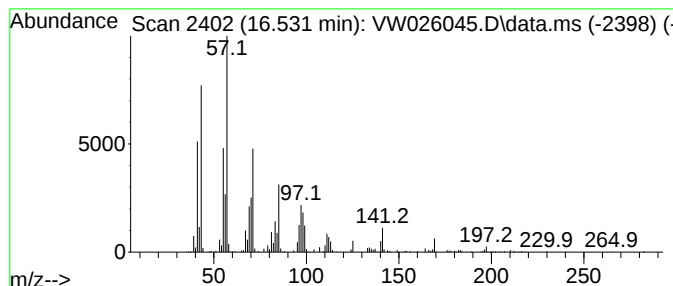
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Quant Title : SFAM01.0

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

Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.531	16.17 ug/L	420759	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	62
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	52
3			Hexadecane, 3-methyl-	240	C17H36	006418-43-5	52
4			Dodecane, 4-methyl-	184	C13H28	006117-97-1	49
5			3,5-Dimethyldodecane	198	C14H30	107770-99-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026045.D
 Acq On : 25 May 2023 17:02
 Operator : SY/MD
 Sample : 02950-21
 Misc : 2.94g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW997

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.941	1.7	ug/L	121194	1	8.843	1784160	25.0
(DEL) Alkane: S...	8.032	4.2	ug/L	296476	1	8.843	1784160	25.0
(DEL) Alkane: S...	8.154	1.8	ug/L	129276	1	8.843	1784160	25.0
1-Butanol, 2-et...	8.423	3.0	ug/L	216184	1	8.843	1784160	25.0
(DEL) Alkane: S...	8.477	7.2	ug/L	511100	1	8.843	1784160	25.0
(DEL) Alkane: C...	8.569	6.8	ug/L	488506	1	8.843	1784160	25.0
(DEL) Alkane: C...	9.605	10.6	ug/L	753081	1	8.843	1784160	25.0
(DEL) Alkane: C...	9.752	14.6	ug/L	1043800	1	8.843	1784160	25.0
(DEL) Alkane: S...	9.892	9.6	ug/L	686949	1	8.843	1784160	25.0
(DEL) Alkane: S...	9.941	2.8	ug/L	198205	1	8.843	1784160	25.0
(DEL) Alkane: S...	10.075	3.8	ug/L	271752	1	8.843	1784160	25.0
(DEL) Alkane: S...	10.124	2.1	ug/L	153341	1	8.843	1784160	25.0
(DEL) Alkane: C...	10.209	2.1	ug/L	151048	1	8.843	1784160	25.0
(DEL) Alkane: S...	10.246	4.3	ug/L	297056	2	11.629	1725420	25.0
(DEL) Alkane: C...	10.447	2.8	ug/L	193617	2	11.629	1725420	25.0
(DEL) Alkane: C...	10.502	16.6	ug/L	1144990	2	11.629	1725420	25.0
(DEL) Alkane: C...	10.660	15.1	ug/L	1042650	2	11.629	1725420	25.0
(DEL) Alkane: C...	10.758	12.0	ug/L	828168	2	11.629	1725420	25.0
(DEL) Alkane: S...	10.843	4.5	ug/L	310904	2	11.629	1725420	25.0
(DEL) Alkane: S...	11.032	13.8	ug/L	954563	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.105	5.0	ug/L	347509	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.142	2.3	ug/L	158561	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.178	9.7	ug/L	668602	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.227	25.0	ug/L	1725380	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.282	2.9	ug/L	199087	2	11.629	1725420	25.0
Nonyl chlorofo...	11.331	11.1	ug/L	764867	2	11.629	1725420	25.0
(DEL) Alkane: S...	11.379	3.1	ug/L	211791	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.434	14.2	ug/L	982843	2	11.629	1725420	25.0
(DEL) Alkane: S...	11.501	2.6	ug/L	179465	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.550	2.9	ug/L	196610	2	11.629	1725420	25.0
Pentalene, octa...	11.721	1.7	ug/L	116570	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.764	4.6	ug/L	320282	2	11.629	1725420	25.0
Cycloheptanol, ...	11.806	10.0	ug/L	687296	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.873	14.7	ug/L	1016830	2	11.629	1725420	25.0
(DEL) Alkane: C...	11.910	13.3	ug/L	918798	2	11.629	1725420	25.0
(DEL) Alkane: S...	11.971	6.6	ug/L	457356	2	11.629	1725420	25.0
(DEL) Alkane: S...	12.056	6.2	ug/L	428277	2	11.629	1725420	25.0
(DEL) Alkane: C...	12.135	29.6	ug/L	2044220	2	11.629	1725420	25.0
(DEL) Alkane: S...	12.245	22.4	ug/L	1545940	2	11.629	1725420	25.0
(DEL) Alkane: S...	12.361	83.0	ug/L	5726960	2	11.629	1725420	25.0
unknown-01	12.611	20.4	ug/L	531537	3	13.556	650617	25.0
(DEL) Alkane: C...	12.775	72.4	ug/L	1883300	3	13.556	650617	25.0
(DEL) Alkane: C...	12.855	49.8	ug/L	1294930	3	13.556	650617	25.0
(DEL) Alkane: C...	12.928	139.8	ug/L	3639640	3	13.556	650617	25.0
(DEL) Alkane: C...	12.989	34.3	ug/L	891977	3	13.556	650617	25.0
(DEL) Alkane: S...	13.074	28.4	ug/L	737859	3	13.556	650617	25.0
(DEL) Alkane: C...	13.123	26.4	ug/L	686641	3	13.556	650617	25.0
(DEL) Alkane: S...	13.160	117.7	ug/L	3064190	3	13.556	650617	25.0
(DEL) Alkane: S...	13.288	76.1	ug/L	1979470	3	13.556	650617	25.0
(DEL) Alkane: S...	13.342	30.2	ug/L	785843	3	13.556	650617	25.0
(DEL) Alkane: C...	13.440	101.0	ug/L	2628190	3	13.556	650617	25.0
(DEL) Alkane: S...	13.477	28.4	ug/L	740081	3	13.556	650617	25.0

(DEL) Alkane: S...	13.690	28.8	ug/L	750347	3	13.556	650617	25.0
Sulfurous acid,...	13.916	30.5	ug/L	792863	3	13.556	650617	25.0
(DEL) Alkane: C...	13.977	18.9	ug/L	491713	3	13.556	650617	25.0
(DEL) Alkane: S...	14.019	37.2	ug/L	968911	3	13.556	650617	25.0
(DEL) Alkane: S...	14.129	65.6	ug/L	1706090	3	13.556	650617	25.0
1-Phenyl-1-butene	14.196	40.0	ug/L	1041820	3	13.556	650617	25.0
unknown-02	14.257	51.6	ug/L	1342370	3	13.556	650617	25.0
Cyclohexene, 1-...	14.312	13.9	ug/L	362050	3	13.556	650617	25.0
Cyclohexane, 2-...	14.379	111.2	ug/L	2892910	3	13.556	650617	25.0
1-Methyldecahyd...	14.544	52.3	ug/L	1361070	3	13.556	650617	25.0
(DEL) Alkane: S...	14.653	12.4	ug/L	322033	3	13.556	650617	25.0
(DEL) Alkane: S...	14.733	21.7	ug/L	565260	3	13.556	650617	25.0
Oxalic acid, cy...	14.793	42.6	ug/L	1108930	3	13.556	650617	25.0
(DEL) Alkane: S...	14.836	99.5	ug/L	2589580	3	13.556	650617	25.0
(DEL) Alkane: C...	14.922	23.5	ug/L	610573	3	13.556	650617	25.0
unknown-03	15.050	41.9	ug/L	1091260	3	13.556	650617	25.0
(DEL) Alkane: C...	15.232	16.6	ug/L	431877	3	13.556	650617	25.0
(DEL) Alkane: S...	15.318	115.2	ug/L	2997590	3	13.556	650617	25.0
unknown-04	15.391	23.0	ug/L	598657	3	13.556	650617	25.0
(DEL) Alkane: S...	15.574	42.3	ug/L	1101360	3	13.556	650617	25.0
(DEL) Alkane: S...	15.623	13.7	ug/L	357192	3	13.556	650617	25.0
Isobutyl nonyl ...	15.720	67.2	ug/L	1749100	3	13.556	650617	25.0
(DEL) Alkane: C...	16.202	22.0	ug/L	572332	3	13.556	650617	25.0
(DEL) Alkane: S...	16.275	73.8	ug/L	1920190	3	13.556	650617	25.0
(DEL) Alkane: S...	16.531	16.2	ug/L	420759	3	13.556	650617	25.0

Instrument :

MSVOA_W

ClientSampleId :

EW997