

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
 Data File : VW026370.D
 Acq On : 27 Jun 2023 22:26
 Operator : SY/MD
 Sample : 03420-07
 Misc : 4.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4646

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VW026370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	68	78	91	rBV	154866	430293	4.94%	0.418%
2	2.637	118	123	133	rBV	7809	25722	0.30%	0.025%
3	2.808	148	151	158	rBV	7463	16868	0.19%	0.016%
4	2.893	158	165	182	rVB	149324	422937	4.85%	0.411%
5	3.393	242	247	256	rVB3	9625	23829	0.27%	0.023%
6	4.021	338	350	360	rBV2	307927	1026072	11.78%	0.997%
7	4.119	360	366	378	rVV	181815	508672	5.84%	0.494%
8	4.387	398	410	424	rVB	21343	75068	0.86%	0.073%
9	4.935	489	500	506	rBV4	12825	54835	0.63%	0.053%
10	5.941	657	665	678	rVB6	7142	21996	0.25%	0.021%
11	7.075	843	851	860	rBV	109035	306293	3.52%	0.298%
12	7.167	860	866	884	rVB	78665	227217	2.61%	0.221%
13	7.648	933	945	960	rBV	538533	1317087	15.12%	1.280%
14	7.923	981	990	995	rBV5	11258	29699	0.34%	0.029%
15	8.154	1021	1028	1036	rBV3	19417	44470	0.51%	0.043%
16	8.276	1036	1048	1062	rBV2	1074253	3195085	36.68%	3.106%
17	8.575	1092	1097	1105	rVB7	8686	20126	0.23%	0.020%
18	8.697	1109	1117	1123	rBV5	8276	19566	0.22%	0.019%
19	8.843	1132	1141	1153	rBV	1150789	2312402	26.54%	2.248%
20	9.075	1170	1179	1186	rBV3	11740	31677	0.36%	0.031%
21	9.276	1203	1212	1218	rVV	738135	1534060	17.61%	1.491%
22	9.337	1218	1222	1227	rVV2	67141	140228	1.61%	0.136%
23	9.380	1227	1229	1239	rVB2	19156	31541	0.36%	0.031%
24	9.605	1262	1266	1272	rVV5	10182	21565	0.25%	0.021%
25	9.752	1283	1290	1296	rVV5	26790	55547	0.64%	0.054%
26	9.892	1308	1313	1318	rBV2	24259	42233	0.48%	0.041%
27	9.959	1318	1324	1327	rBV2	24393	50864	0.58%	0.049%
28	10.032	1331	1336	1342	rVV	303236	531740	6.10%	0.517%
29	10.093	1342	1346	1350	rVB3	23949	36630	0.42%	0.036%
30	10.245	1359	1371	1376	rBV2	29589	65612	0.75%	0.064%
31	10.325	1376	1384	1394	rBV	1358298	2445088	28.07%	2.377%
32	10.502	1407	1413	1419	rVB4	23593	55723	0.64%	0.054%
33	10.575	1419	1425	1435	rBV	188975	351232	4.03%	0.341%
34	10.660	1435	1439	1448	rVB4	26279	52719	0.61%	0.051%
35	10.764	1450	1456	1461	rBV5	25464	59592	0.68%	0.058%
36	10.843	1463	1469	1475	rVB3	41225	89825	1.03%	0.087%

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

37	10.922	1475	1482	1492	rBV2	397523	769164	8.83%	0.748%
38	11.032	1495	1500	1508	rVB	65146	130303	1.50%	0.127%
39	11.111	1508	1513	1517	rBV2	24587	38304	0.44%	0.037%
40	11.178	1520	1524	1528	rBV2	38626	56599	0.65%	0.055%
41	11.227	1528	1532	1538	rVB	94078	156414	1.80%	0.152%
42	11.282	1538	1541	1545	rBV3	15513	20863	0.24%	0.020%
43	11.337	1545	1550	1554	rBV2	85656	148184	1.70%	0.144%
44	11.379	1554	1557	1563	rVB3	31225	53127	0.61%	0.052%
45	11.434	1563	1566	1573	rVB3	61819	105898	1.22%	0.103%
46	11.507	1573	1578	1589	rVB2	100234	193600	2.22%	0.188%
47	11.629	1589	1598	1606	rBV	1227615	2104005	24.15%	2.045%
48	11.690	1606	1608	1615	rVB2	26745	38535	0.44%	0.037%
49	11.763	1616	1620	1623	rBV	35631	55250	0.63%	0.054%
50	11.812	1623	1628	1633	rBV4	57825	106573	1.22%	0.104%
51	11.873	1633	1638	1642	rBV	188315	316044	3.63%	0.307%
52	11.916	1642	1645	1650	rVB3	97069	148844	1.71%	0.145%
53	11.971	1650	1654	1656	rBV2	49500	76655	0.88%	0.075%
54	12.007	1656	1660	1663	rBV3	32219	46714	0.54%	0.045%
55	12.062	1663	1669	1674	rVB2	154171	260290	2.99%	0.253%
56	12.135	1674	1681	1687	rBV2	433397	946723	10.87%	0.920%
57	12.251	1692	1700	1704	rVB	678394	1185009	13.60%	1.152%
58	12.361	1704	1718	1726	rBV3	776838	2578493	29.60%	2.507%
59	12.495	1729	1740	1749	rVB4	512743	1651181	18.95%	1.605%
60	12.586	1751	1755	1757	rBV	152356	215078	2.47%	0.209%
61	12.617	1758	1760	1765	rVB	261980	337303	3.87%	0.328%
62	12.690	1765	1772	1778	rBV2	699157	1590726	18.26%	1.546%
63	12.745	1778	1781	1782	rBV2	99989	113226	1.30%	0.110%
64	12.775	1783	1786	1792	rVB4	520567	934863	10.73%	0.909%
65	12.855	1792	1799	1804	rBV5	385067	936613	10.75%	0.911%
66	12.940	1805	1813	1818	rBV5	964240	2543940	29.20%	2.473%
67	12.989	1818	1821	1826	rVB2	511292	764646	8.78%	0.743%
68	13.074	1826	1835	1839	rBV2	773554	1571689	18.04%	1.528%
69	13.123	1839	1843	1847	rBV2	640405	1107368	12.71%	1.077%
70	13.184	1847	1853	1856	rBV2	355256	732208	8.40%	0.712%
71	13.288	1863	1870	1875	rBV	1100971	2023179	23.22%	1.967%
72	13.342	1875	1879	1882	rVV	870981	1379364	15.83%	1.341%
73	13.373	1882	1884	1886	rVV2	374899	472330	5.42%	0.459%
74	13.410	1886	1890	1892	rVV	812851	1385977	15.91%	1.347%
75	13.446	1892	1896	1899	rVV2	1576455	2779304	31.90%	2.702%
76	13.483	1899	1902	1908	rVV5	726700	1404812	16.13%	1.366%

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77	13.556	1910	1914	1917	rVV	658732	1133464	13.01%	1.102%
78	13.592	1917	1920	1931	rVB3	981681	2321078	26.64%	2.256%
79	13.696	1931	1937	1941	rBV4	643937	1326522	15.23%	1.290%
80	13.873	1958	1966	1970	rBV4	2027060	4518394	51.87%	4.392%
81	13.916	1970	1973	1979	rVB3	1124235	1829711	21.00%	1.779%
82	13.976	1979	1983	1987	rBV3	1129670	1653519	18.98%	1.607%
83	14.013	1987	1989	1992	rBV3	329556	467110	5.36%	0.454%
84	14.190	2014	2018	2022	rBV	864142	1295587	14.87%	1.259%
85	14.257	2024	2029	2035	rVV3	1484666	2637733	30.28%	2.564%
86	14.312	2035	2038	2042	rVB3	683903	963378	11.06%	0.937%
87	14.385	2042	2050	2054	rBV2	3500656	6696348	76.87%	6.510%
88	14.495	2064	2068	2070	rBV3	746332	1317303	15.12%	1.281%
89	14.543	2073	2076	2081	rVB2	1496354	2298090	26.38%	2.234%
90	14.653	2091	2094	2099	rBV	619976	780658	8.96%	0.759%
91	14.732	2104	2107	2112	rBV5	691396	1236320	14.19%	1.202%
92	14.793	2113	2117	2121	rVV	1749556	3225294	37.02%	3.135%
93	14.848	2121	2126	2131	rVB4	1725651	3485993	40.02%	3.389%
94	15.117	2167	2170	2173	rVB3	426020	504584	5.79%	0.491%
95	15.318	2198	2203	2210	rVB	5255562	8711577	100.00%	8.469%
96	15.391	2210	2215	2220	rBV5	1009735	2255486	25.89%	2.193%
97	15.568	2240	2244	2249	rBV5	544628	1091248	12.53%	1.061%
98	15.623	2250	2253	2256	rBV2	396691	621238	7.13%	0.604%
99	15.720	2266	2269	2277	rVB5	1025387	2114795	24.28%	2.056%
100	16.275	2355	2360	2369	rVB	1622596	3227339	37.05%	3.137%

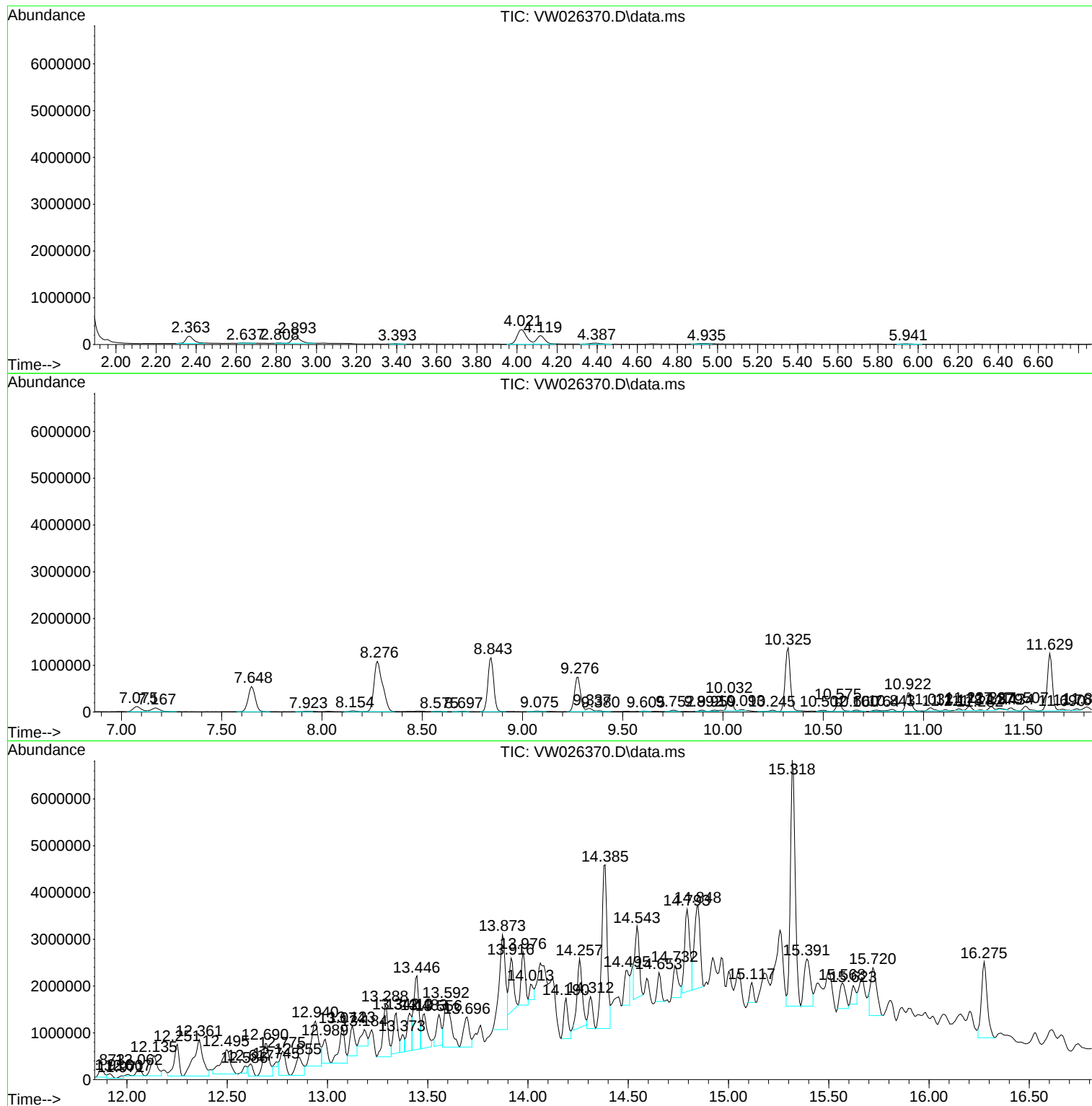
Sum of corrected areas: 102866280

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

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



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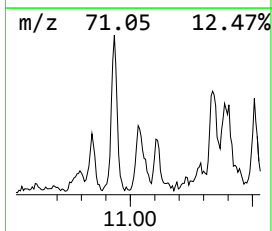
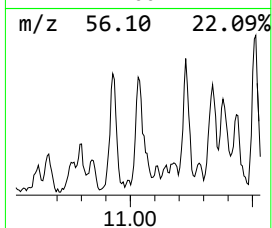
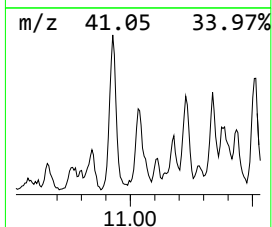
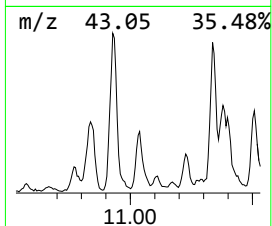
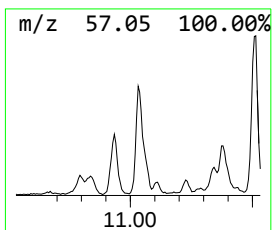
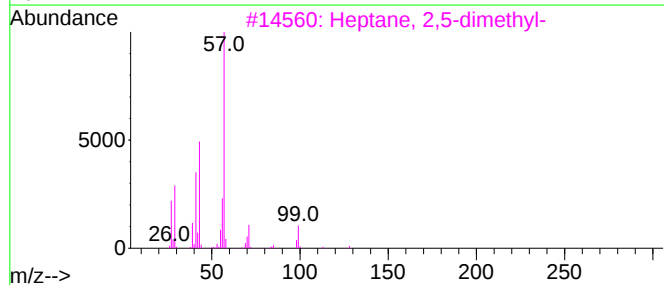
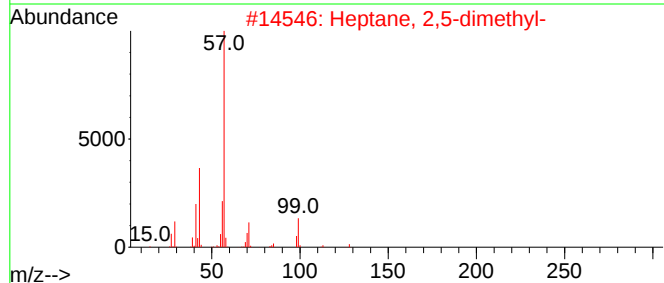
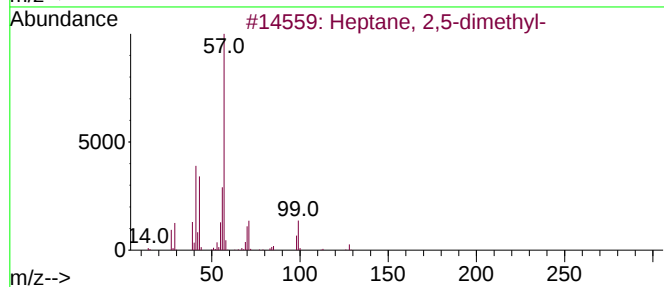
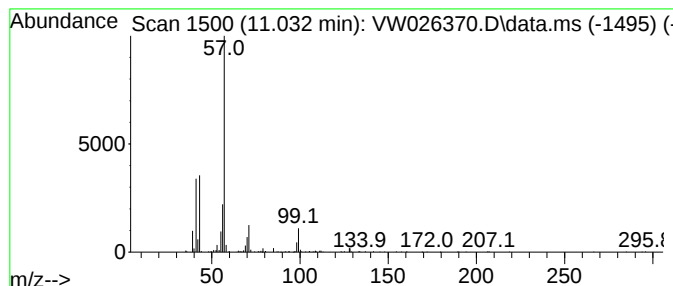
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	1.55 ug/L	130303	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4		Octane, 3-methyl-	128	C9H20	002216-33-3	59
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	56



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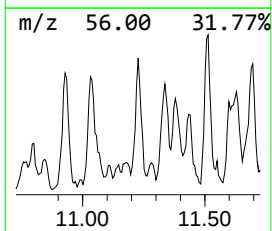
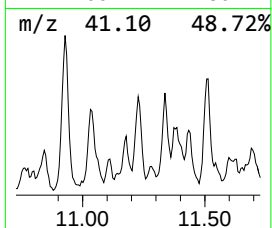
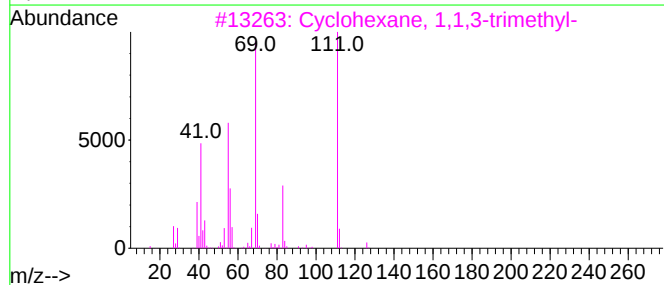
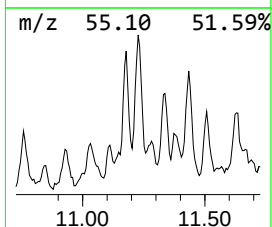
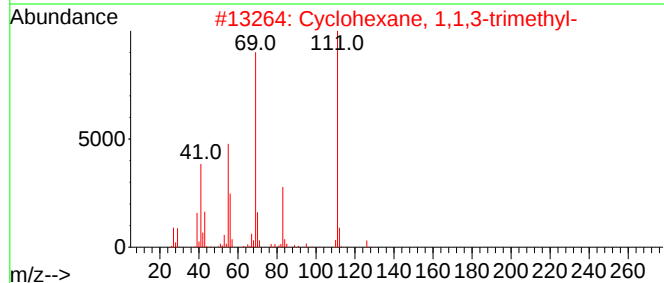
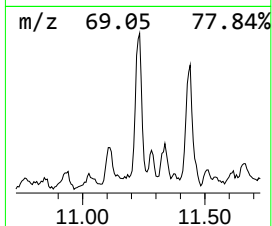
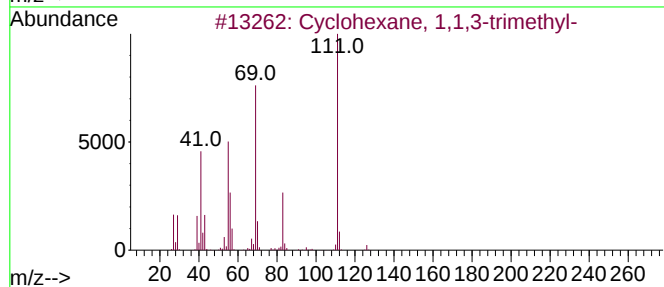
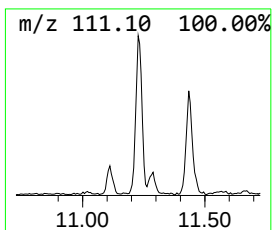
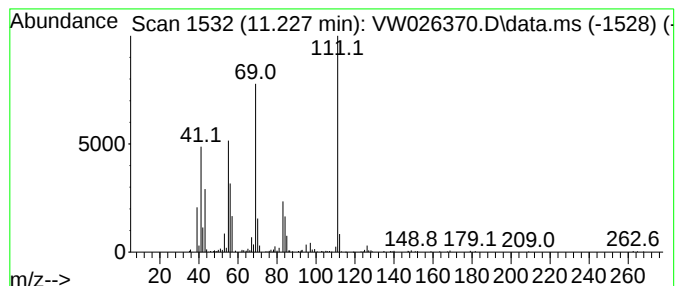
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic11.227 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.227	1.86 ug/L	156414	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
5	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	64



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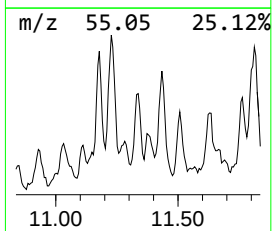
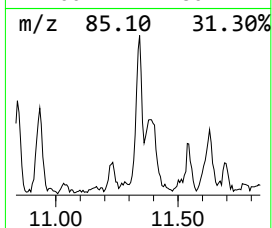
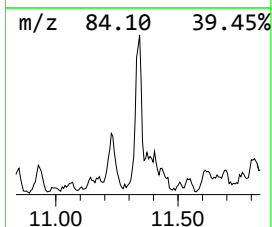
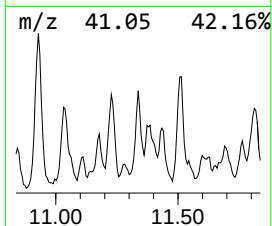
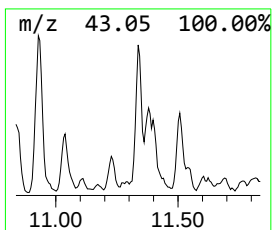
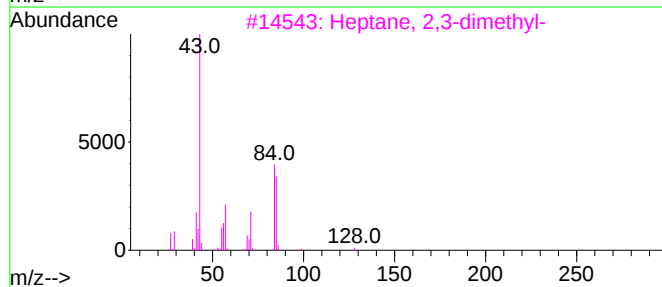
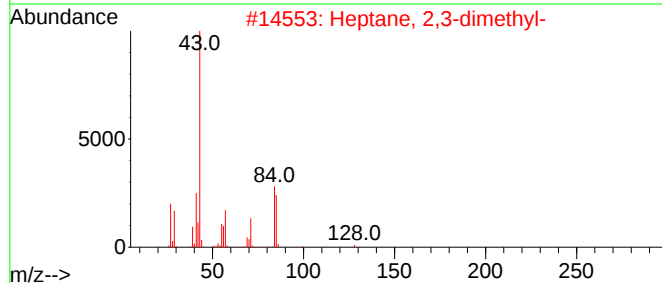
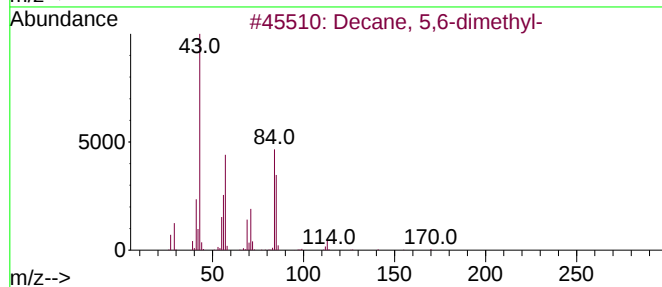
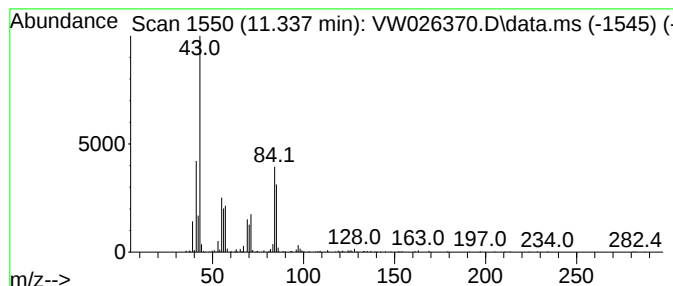
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ClientSampleId :
A4646

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

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	1.76 ug/L	148184	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 5,6-dimethyl-		170	C12H26	001636-43-7	78
2	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	72
3	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	72
4	Hexane, 3-ethyl-2-methyl-		128	C9H20	016789-46-1	64
5	1-Octene, 4-methyl-		126	C9H18	013151-12-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

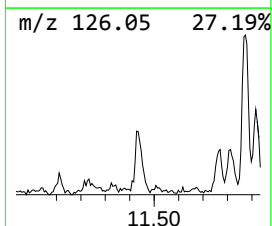
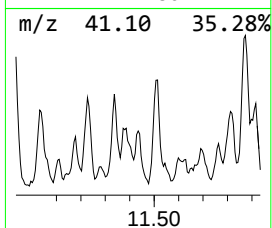
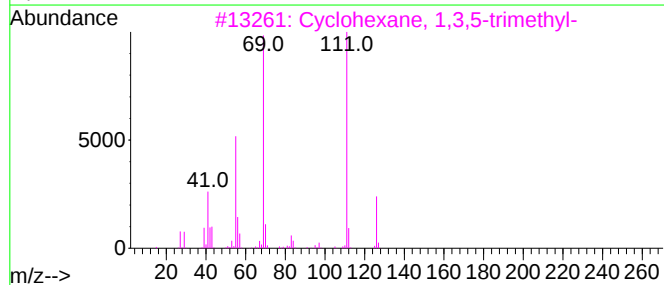
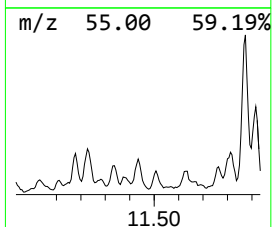
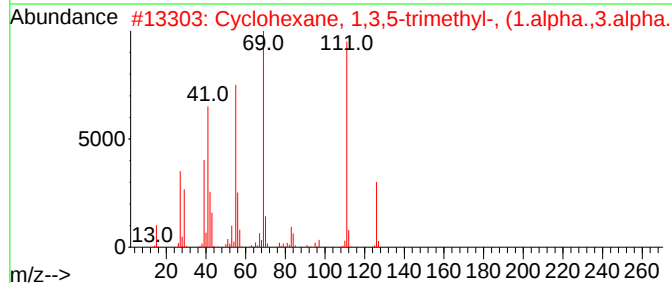
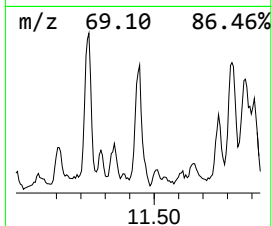
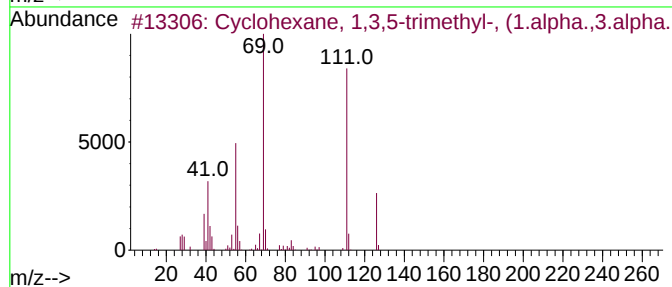
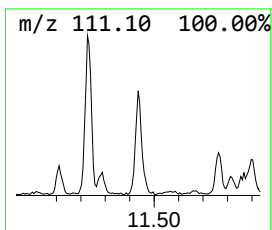
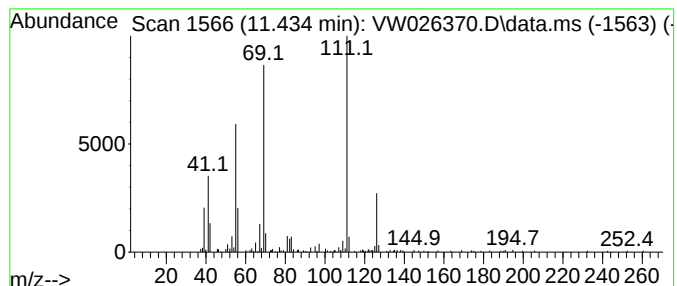
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.434 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	1.26 ug/L	105898	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

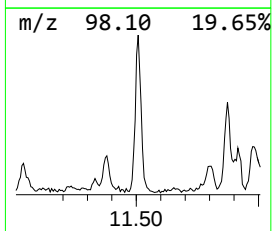
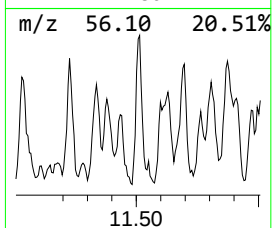
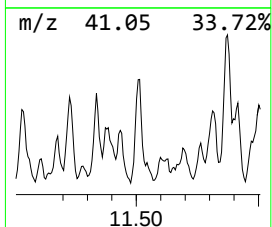
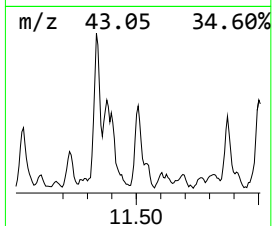
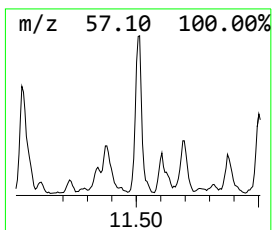
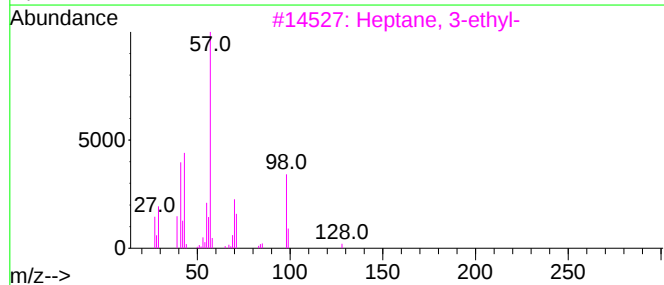
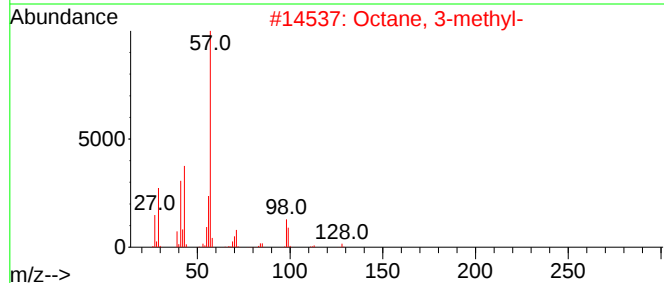
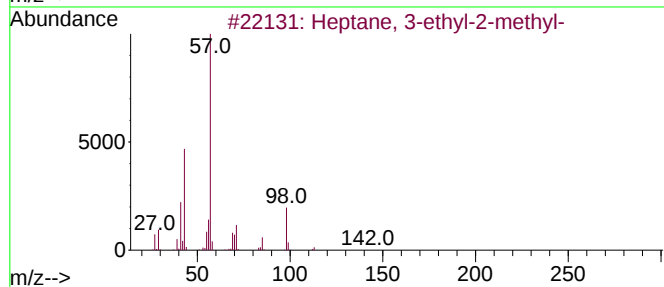
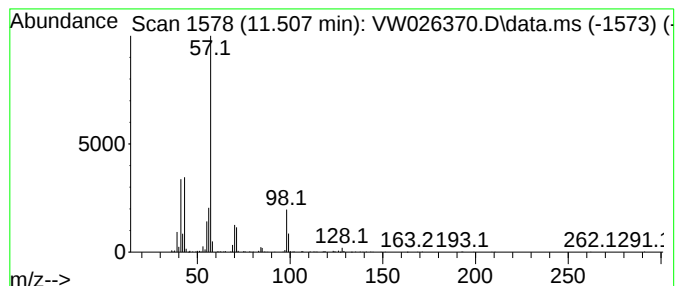
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	2.30 ug/L	193600	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
2		Octane, 3-methyl-	128	C9H20	002216-33-3	83
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	76
4		Octane, 3-methyl-	128	C9H20	002216-33-3	72
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

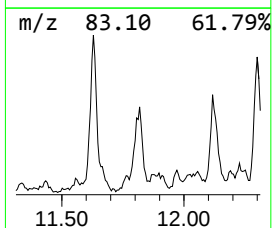
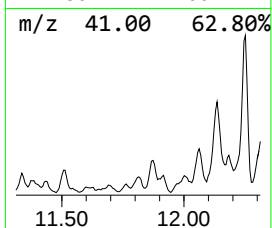
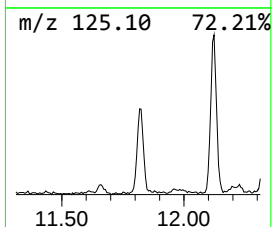
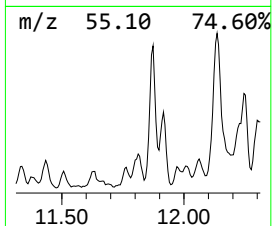
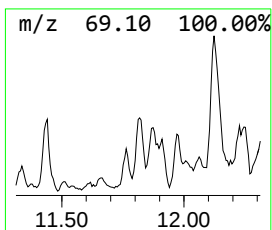
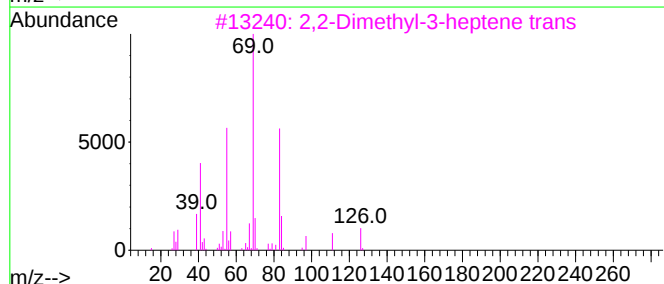
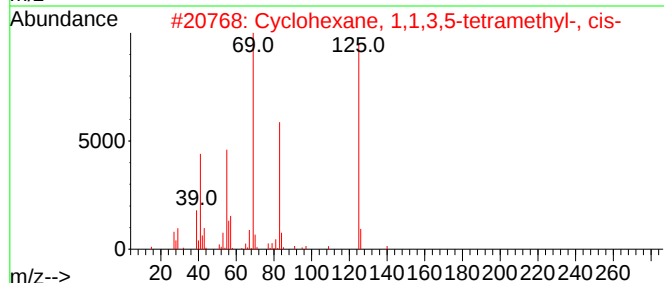
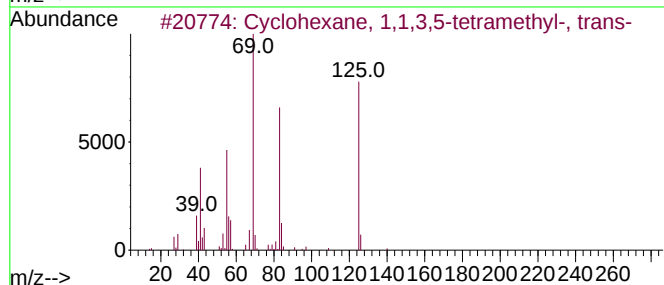
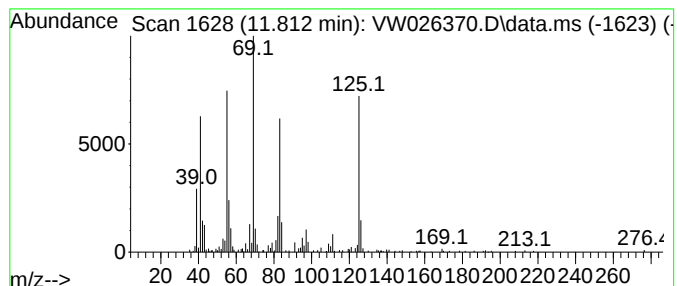
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 7 (DEL) Alkane: Cyclic11.812 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.812	1.27 ug/L	106573	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	81
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	64
3	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	62
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	52
5	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

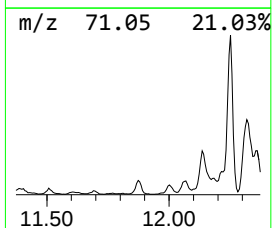
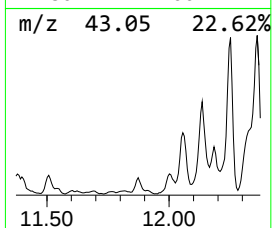
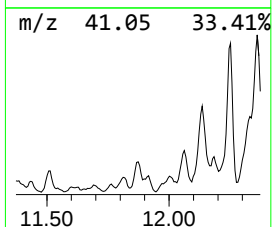
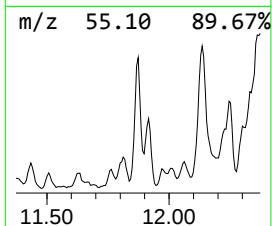
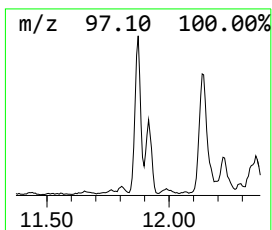
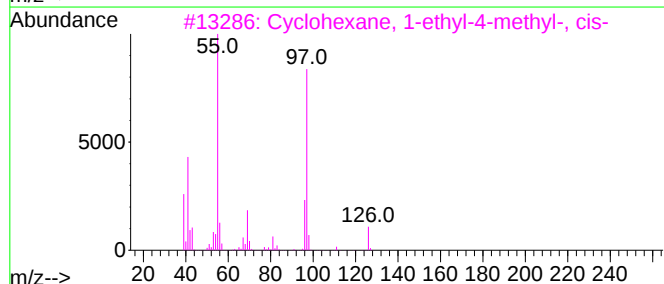
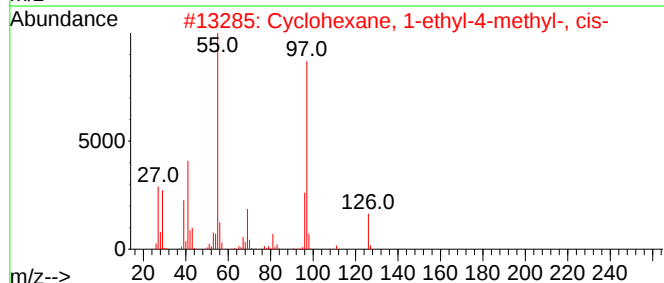
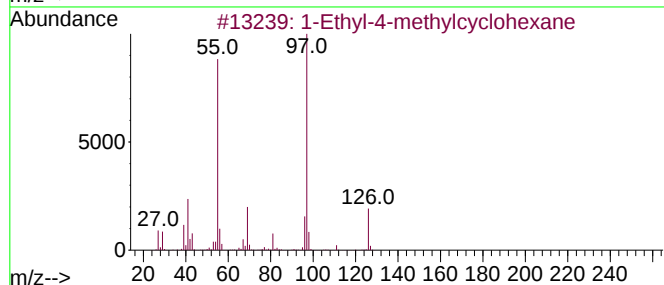
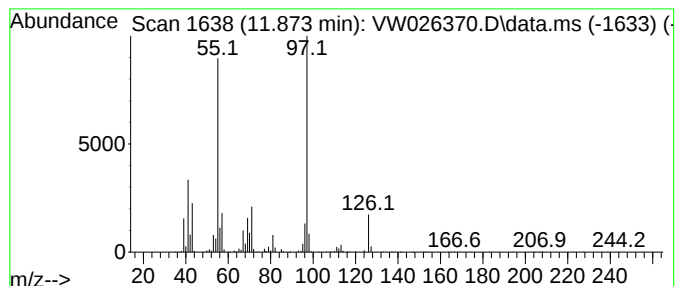
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.873 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	3.76 ug/L	316044	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
4			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	74
5			Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

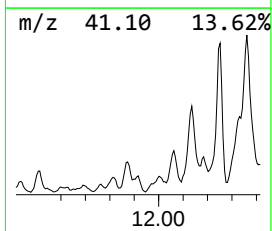
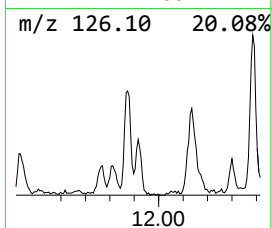
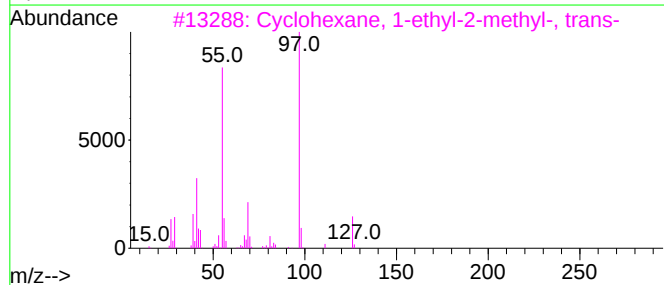
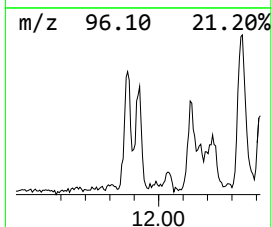
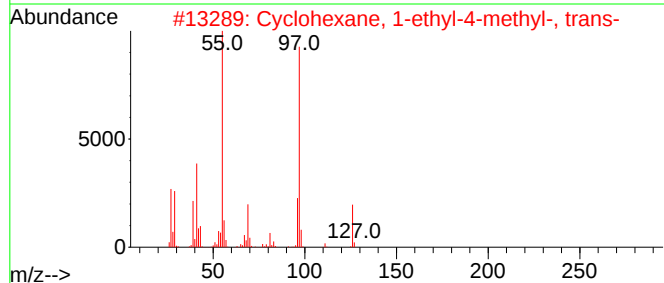
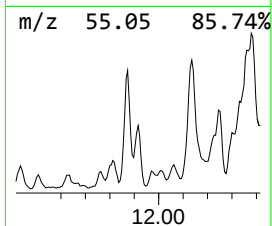
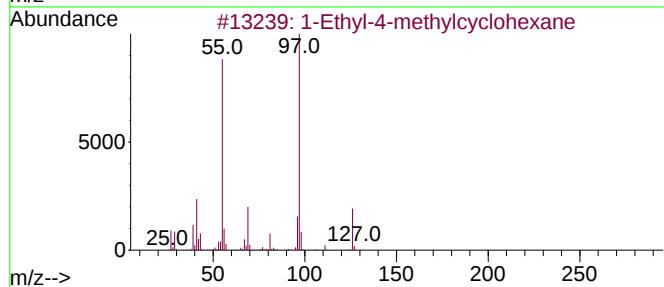
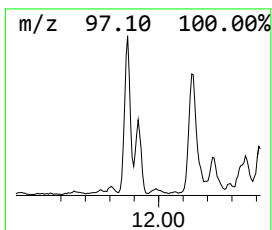
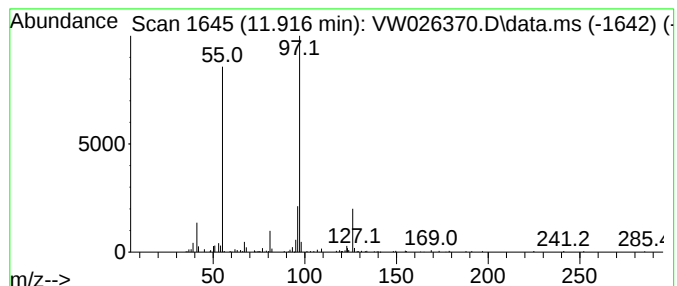
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.916 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	1.77 ug/L	148844	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
3			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	59
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	56
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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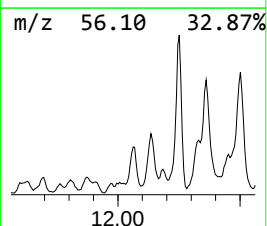
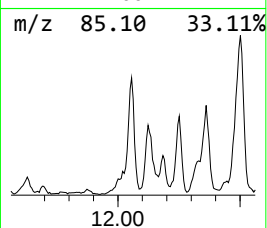
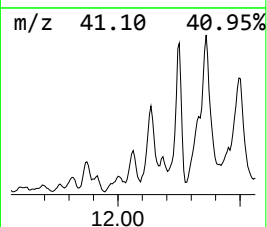
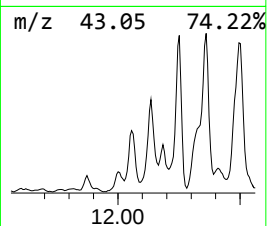
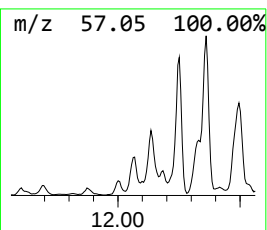
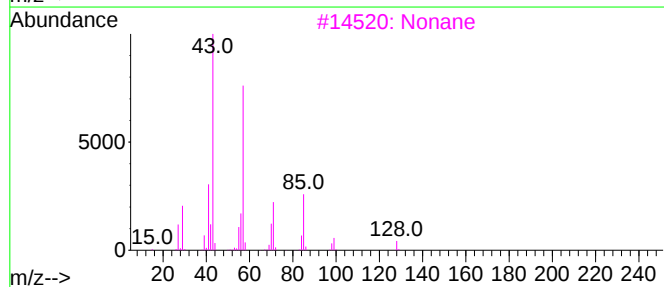
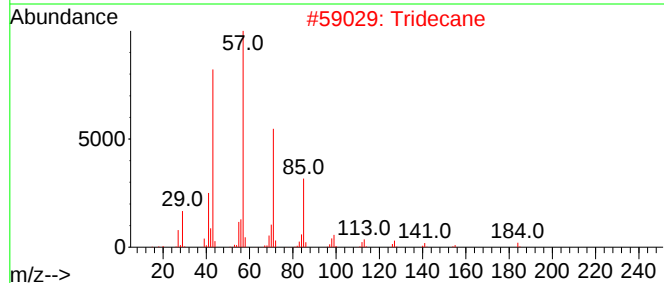
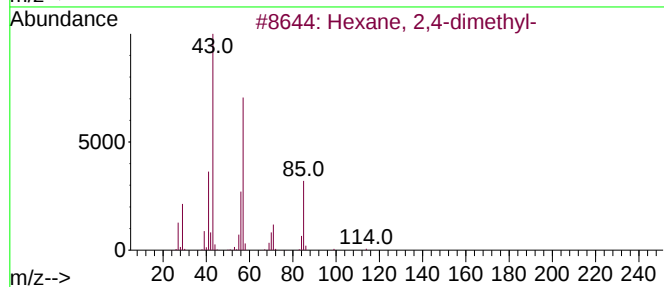
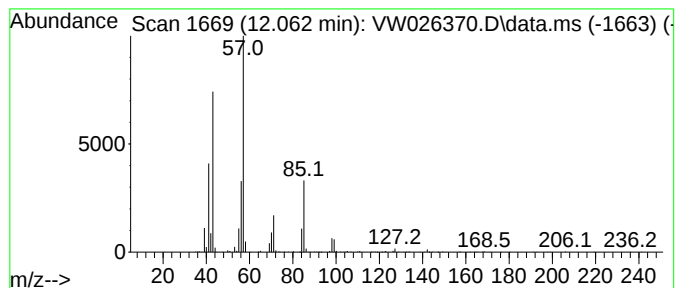
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.062	3.09 ug/L	260290	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
2		Tridecane	184	C13H28	000629-50-5	64
3		Nonane	128	C9H20	000111-84-2	64
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	64
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

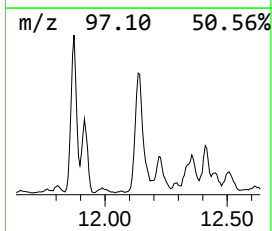
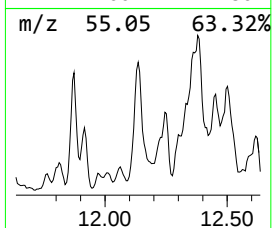
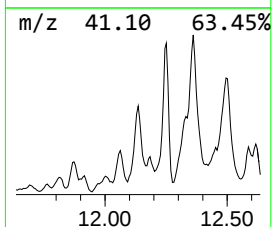
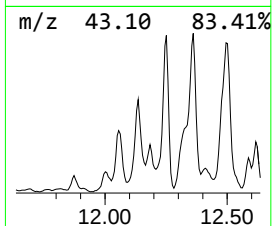
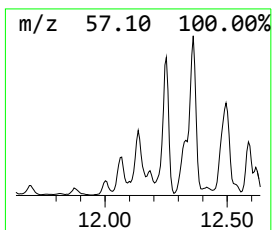
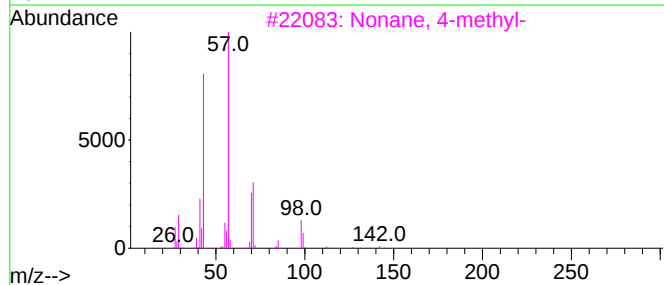
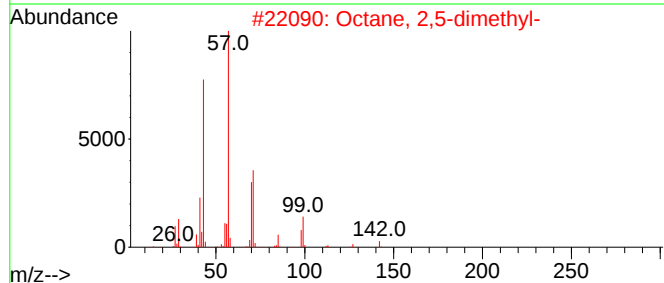
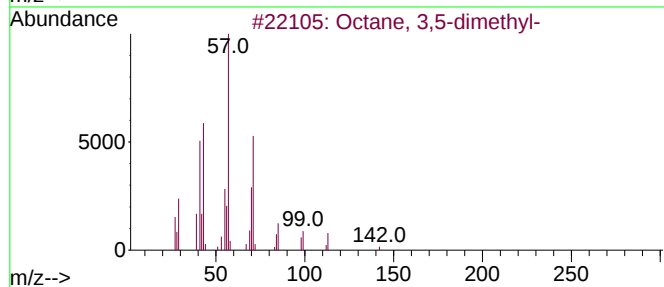
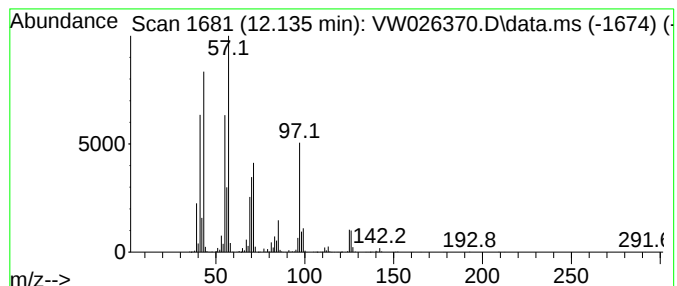
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.135	11.25 ug/L	946723	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	49
2	Octane, 2,5-dimethyl-		142	C10H22	015869-89-3	46
3	Nonane, 4-methyl-		142	C10H22	017301-94-9	43
4	Oxalic acid, 2-ethylhexyl hexyl ...		286	C16H30O4	1000309-38-9	38
5	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

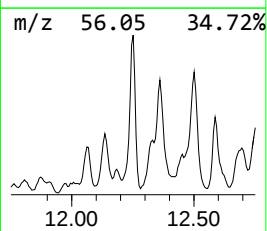
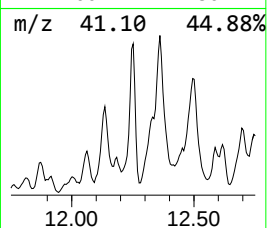
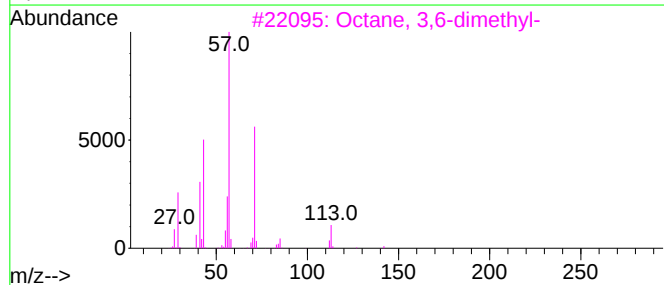
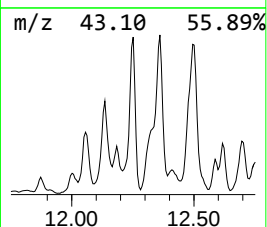
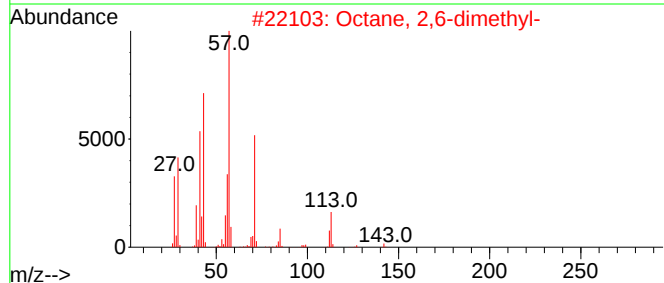
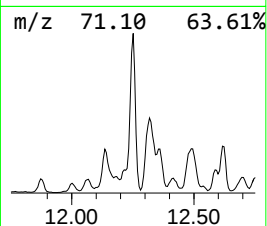
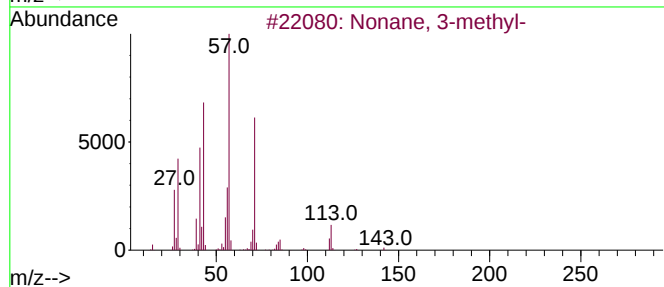
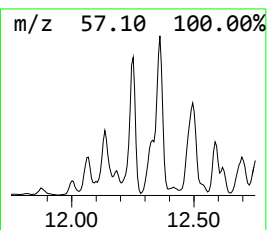
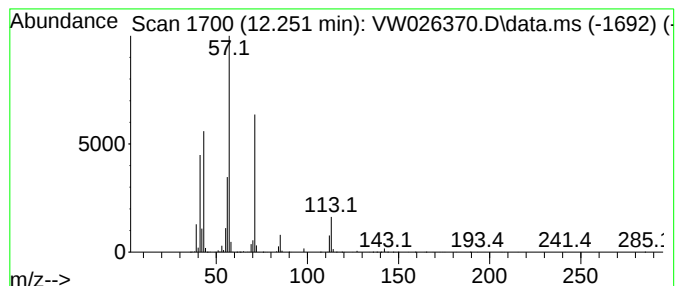
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	14.08 ug/L	1185010	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-			142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	90
3	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	87
4	Nonane, 3-methyl-			142	C10H22	005911-04-6	86
5	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

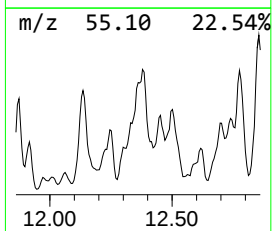
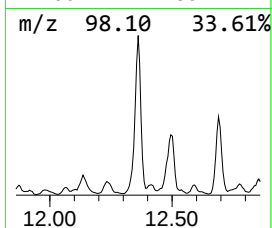
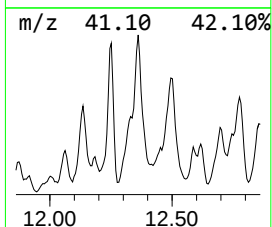
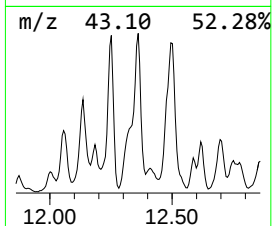
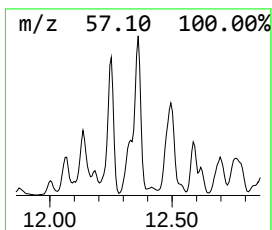
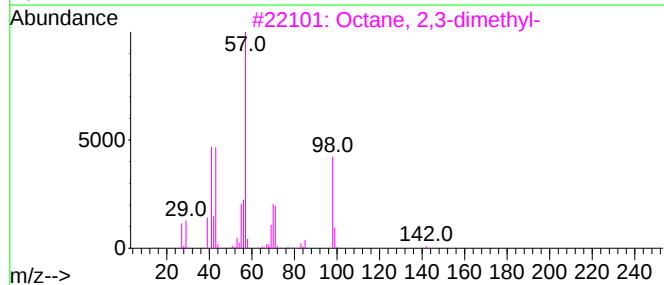
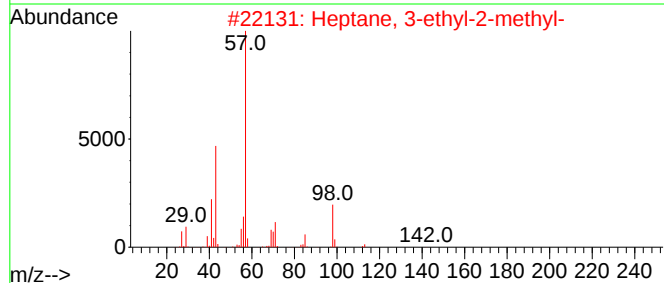
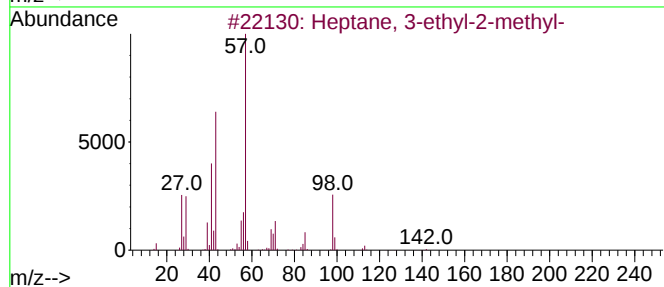
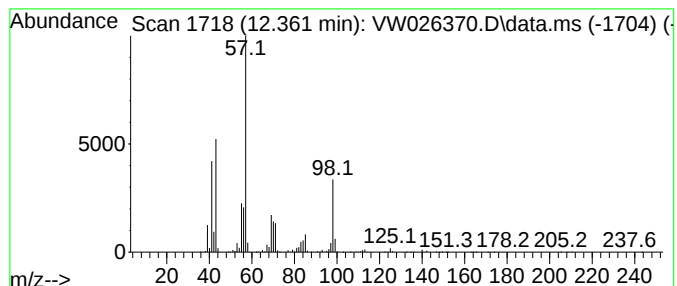
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.361	30.64 ug/L	2578490	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	91
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
5	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

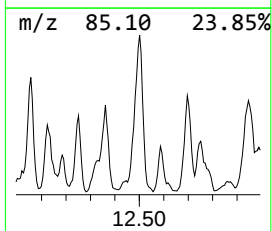
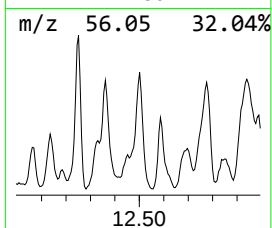
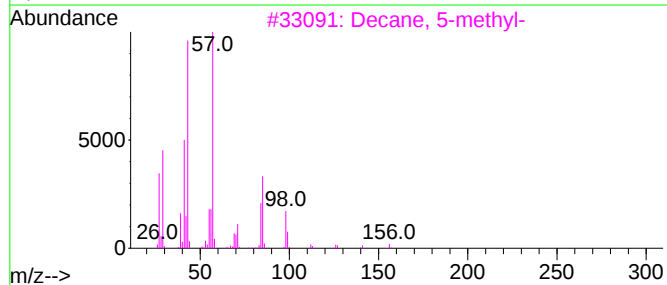
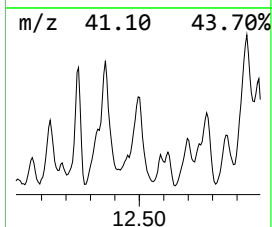
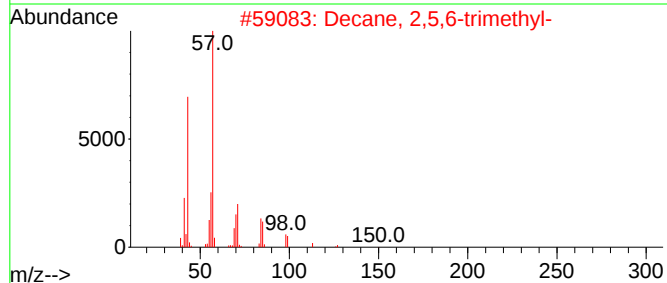
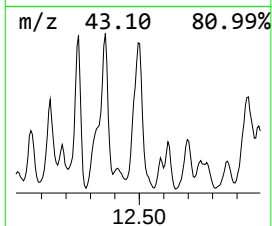
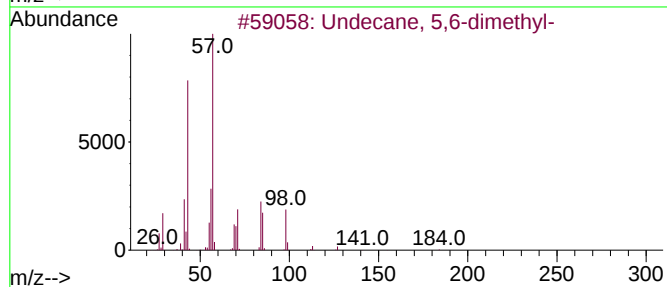
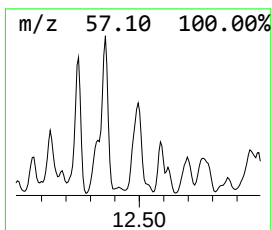
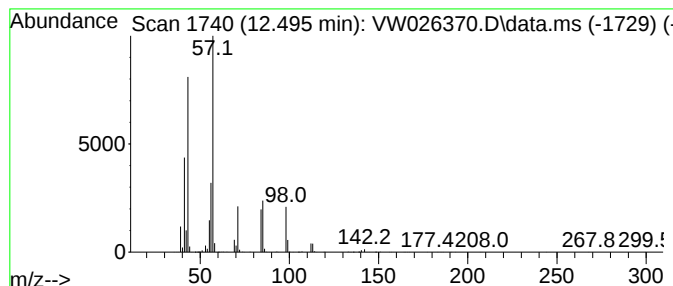
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.495	19.62 ug/L	1651180	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59
3		Decane, 5-methyl-	156	C11H24	013151-35-4	53
4		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	47
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

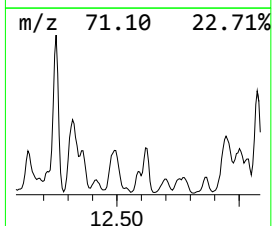
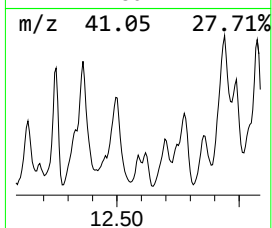
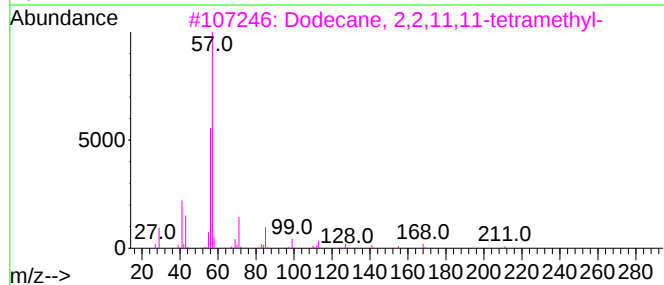
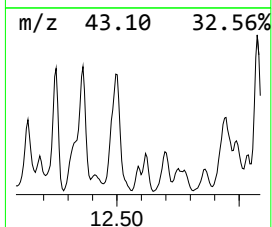
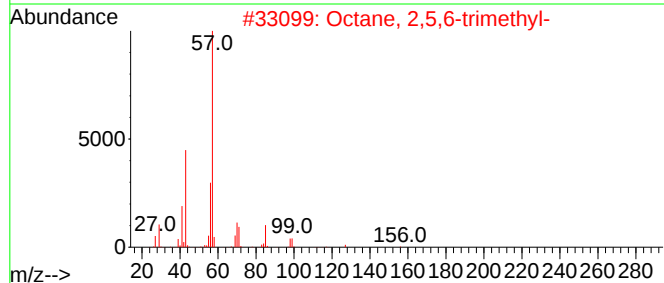
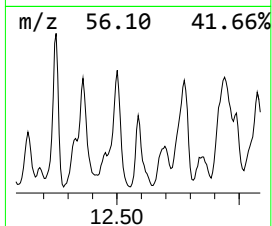
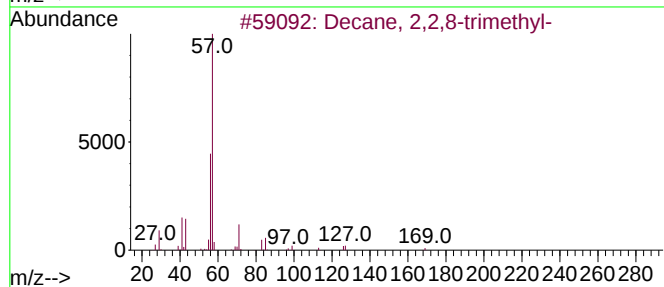
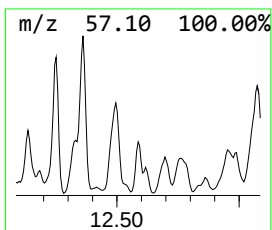
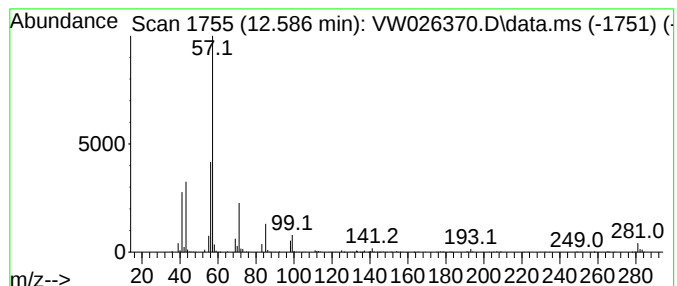
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.586	2.56 ug/L	215078	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
2		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
3		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
4		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	53
5		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

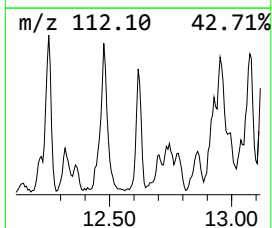
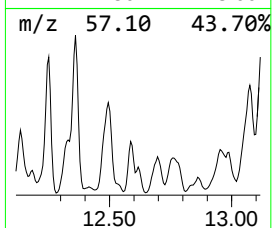
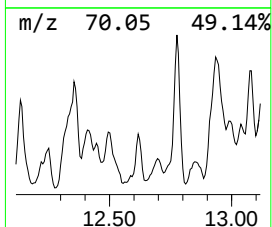
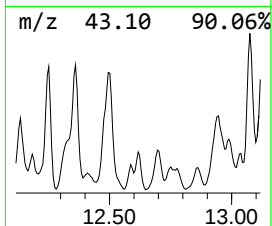
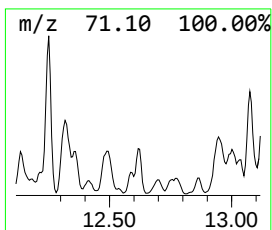
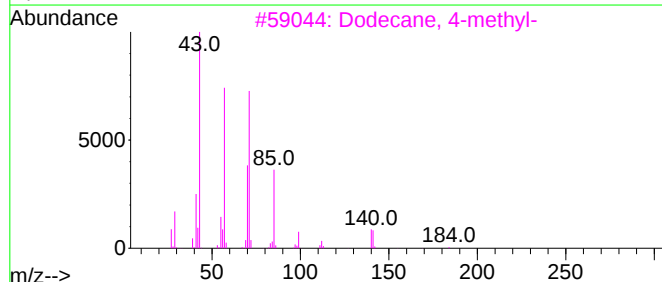
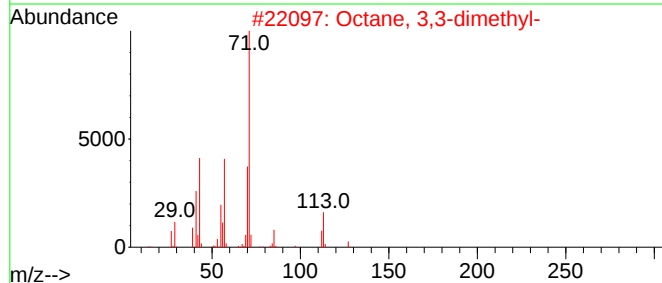
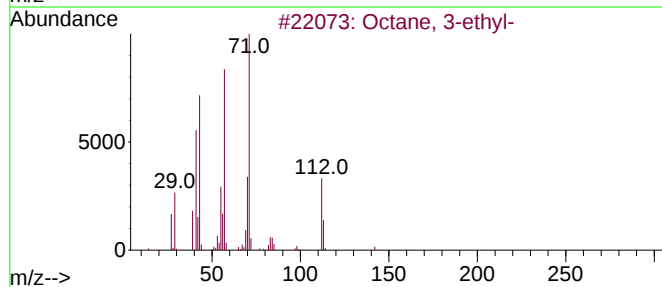
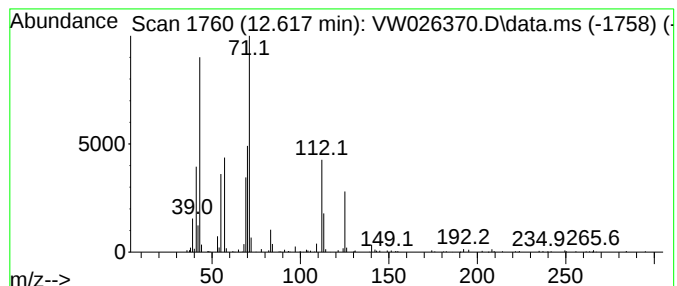
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	7.44 ug/L	337303	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-		142	C10H22	005881-17-4	53	
2	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	50	
3	Dodecane, 4-methyl-		184	C13H28	006117-97-1	47	
4	4-Methyl-3-heptanol, pentafluoro...		276	C11H17F5O2	1000365-51-7	43	
5	4-Methyl-3-heptanol, heptafluoro...		326	C12H17F7O2	1000365-51-5	43	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

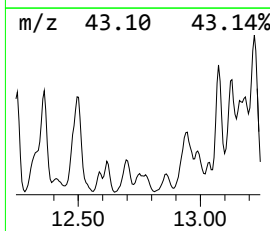
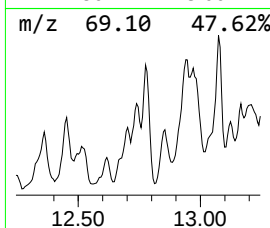
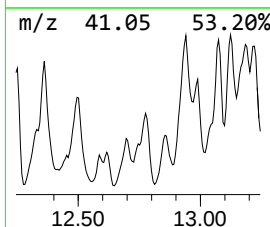
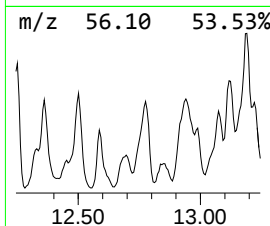
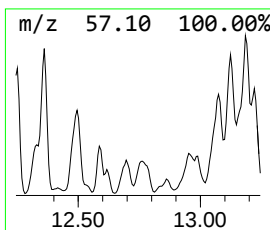
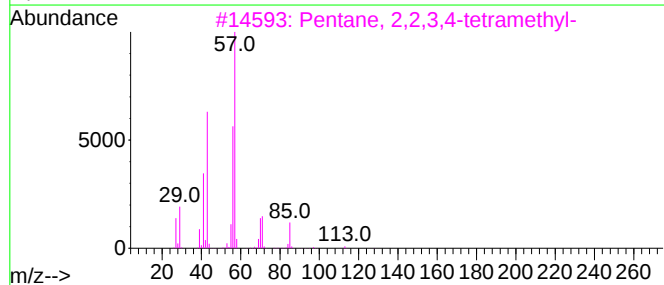
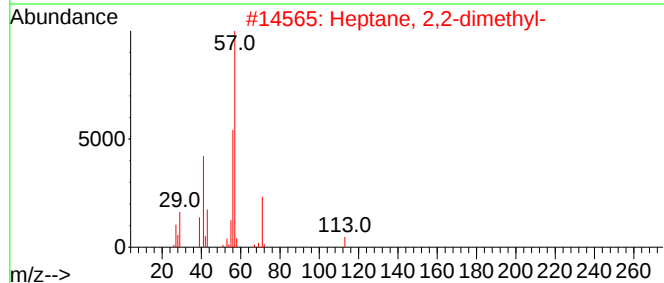
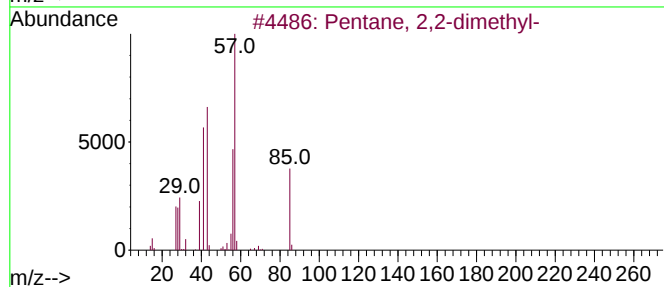
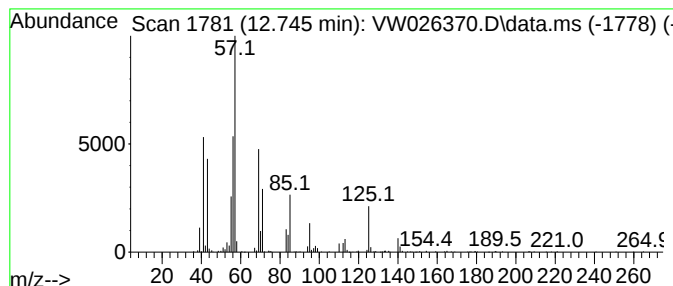
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.745	2.50 ug/L	113226	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	43
2		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	43
3		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
4		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	38
5		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

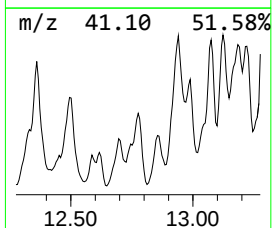
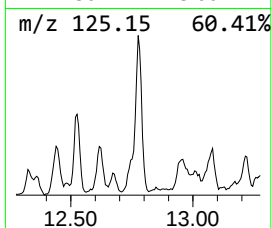
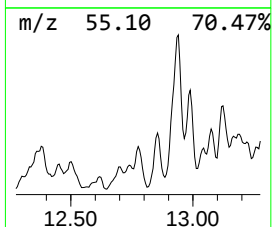
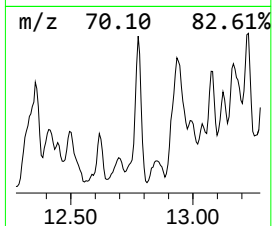
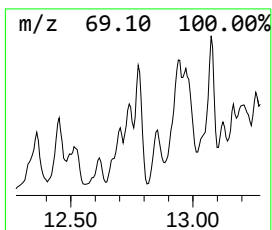
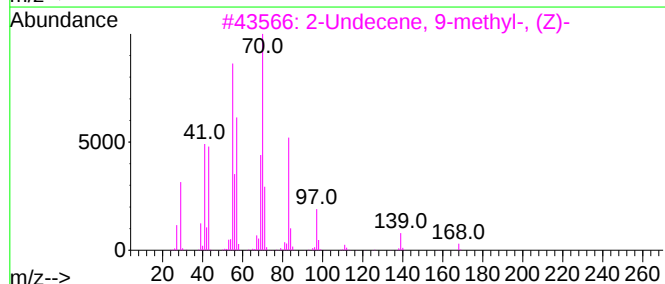
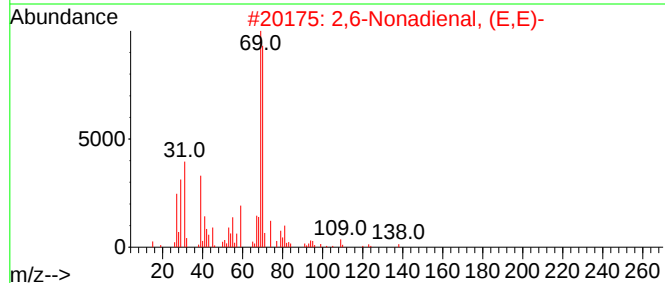
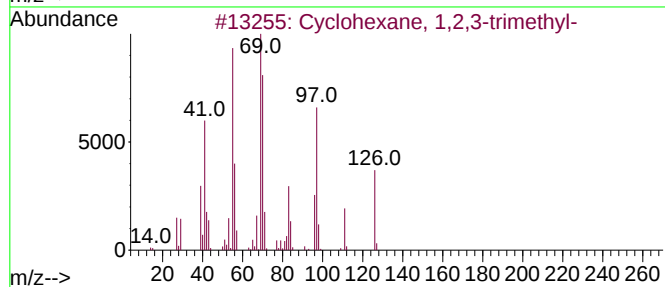
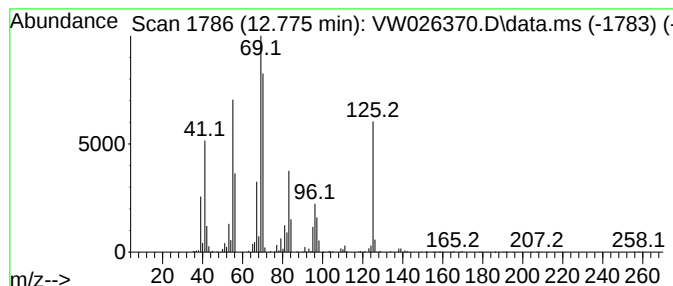
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic12.775 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	20.62 ug/L	934863	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	59
2			2,6-Nonadienal, (E,E)-	138	C9H14O	017587-33-6	43
3			2-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-45-8	35
4			1-Undecene, 9-methyl-	168	C12H24	074630-41-4	35
5			3-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-50-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

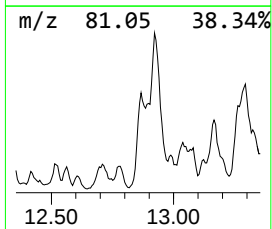
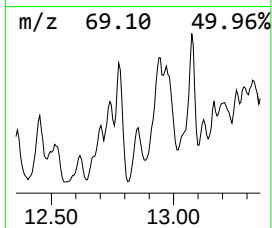
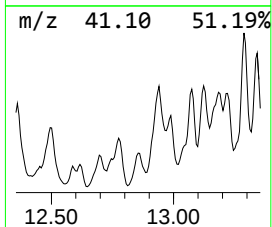
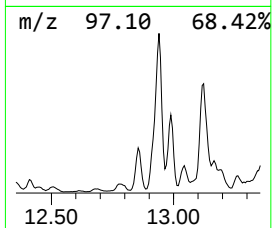
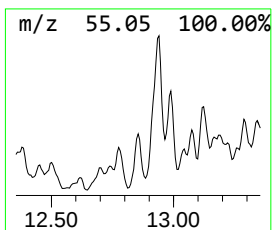
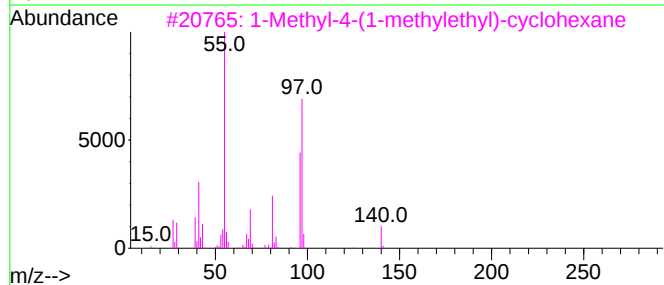
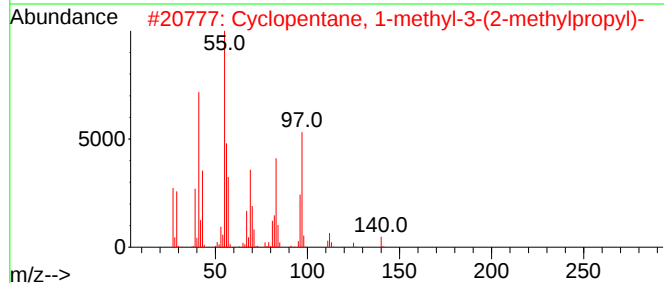
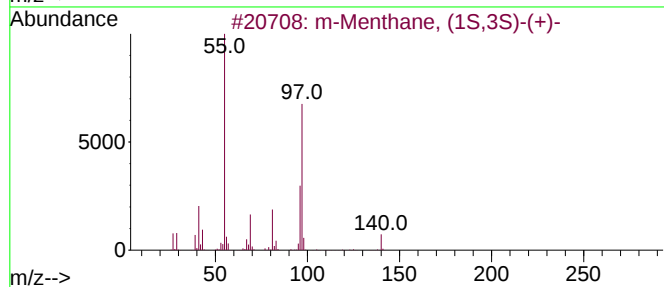
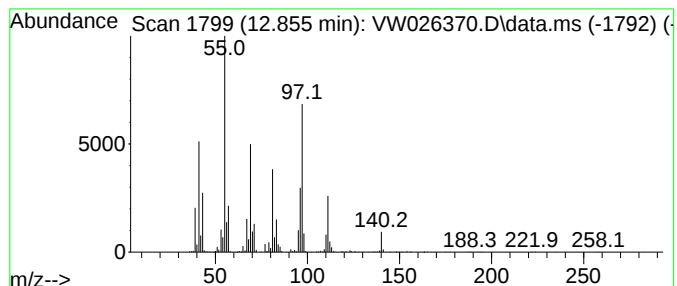
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	20.66 ug/L	936613	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	53
2			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	52
3			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

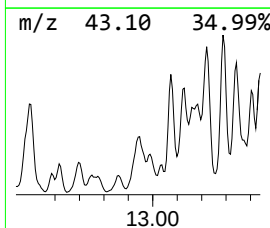
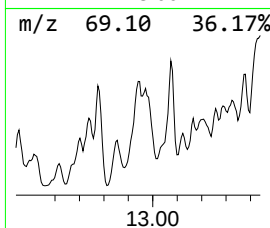
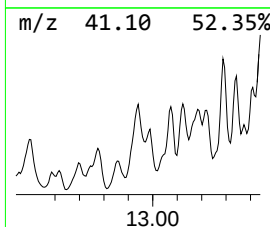
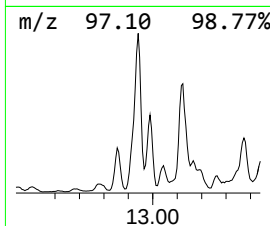
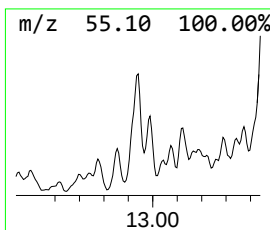
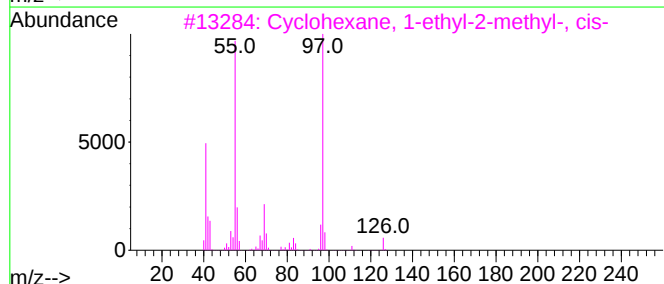
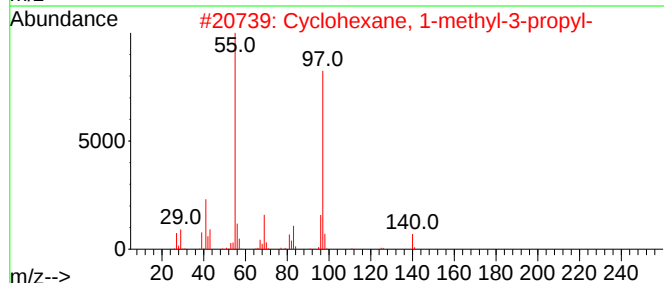
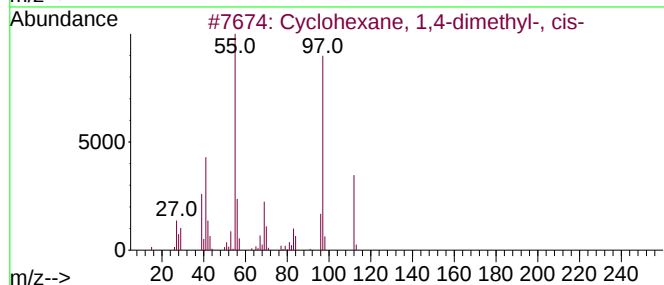
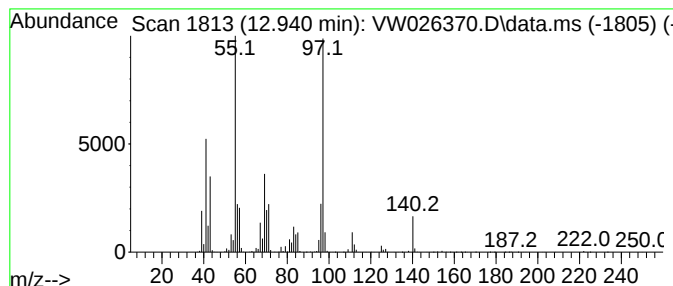
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic12.940 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	56.11 ug/L	2543940	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
2			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	52
3			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	52
4			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

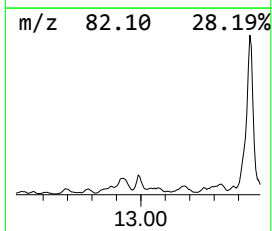
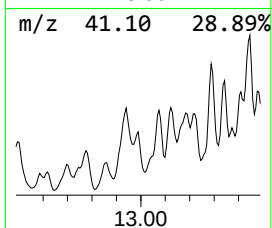
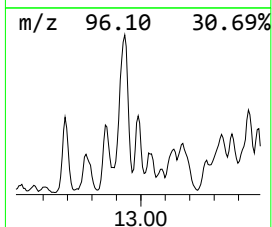
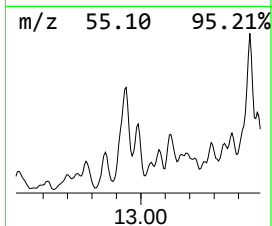
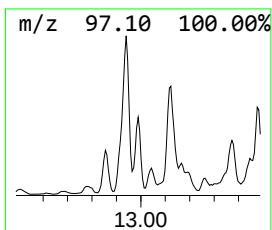
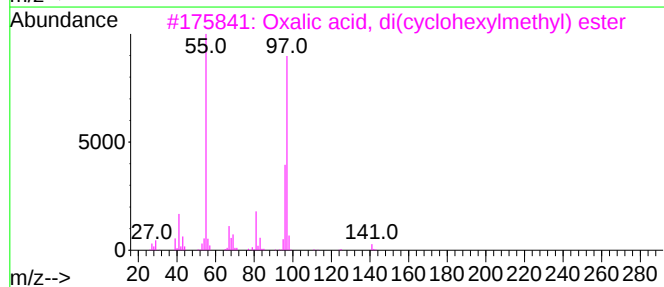
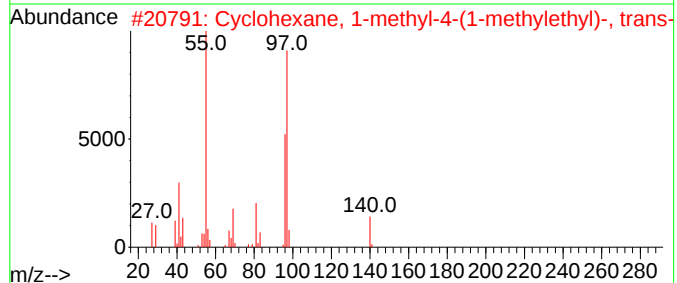
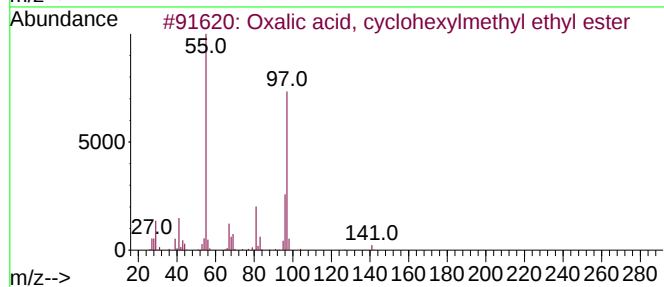
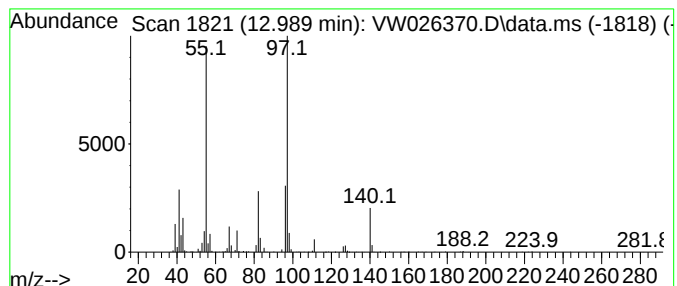
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Quant Title : SFAM01.0

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

Peak Number 21 Oxalic acid, cyclohexylmeth... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	16.87 ug/L	764646	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	53
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
3			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	53
4			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	50
5			1-Methyl-3-piperidinamine, N-tri...	198	C11H22N2O	1344070-46-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

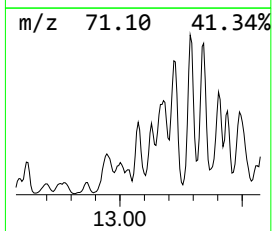
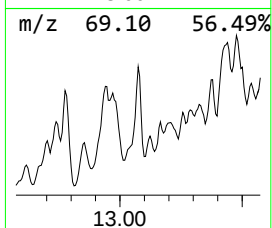
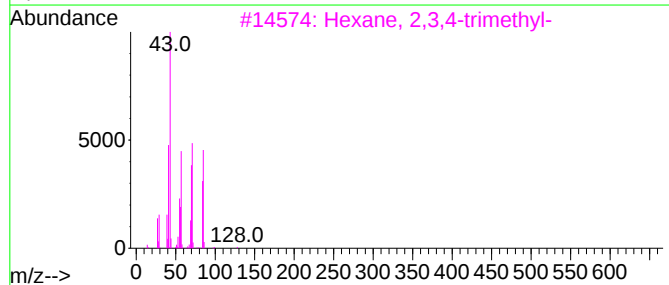
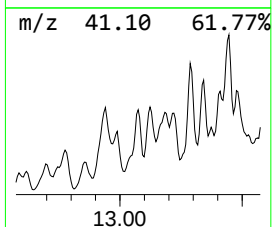
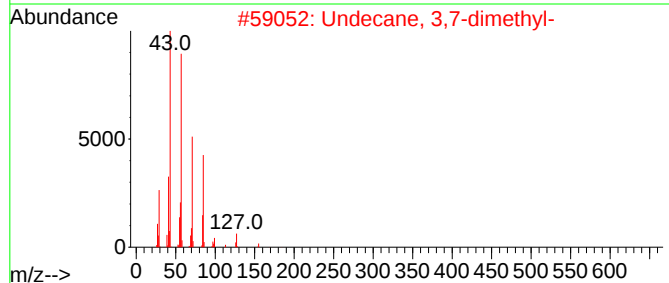
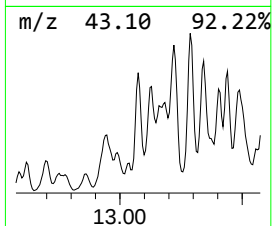
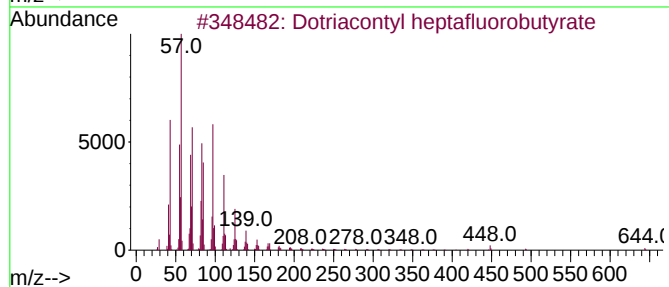
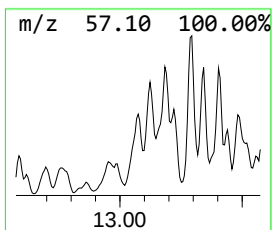
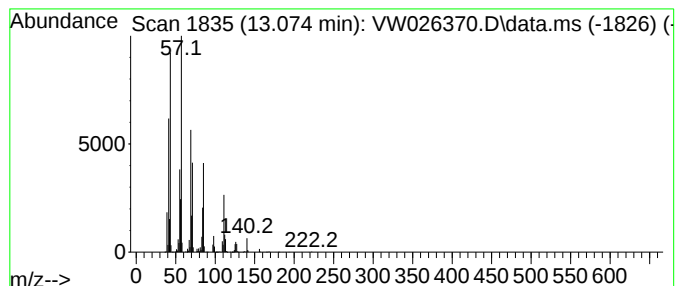
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Quant Title : SFAM01.0

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

Peak Number 22 Dotriacontyl heptafluorobut... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	34.67 ug/L	1571690	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	78
2		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	53
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
4		Octane	114	C8H18	000111-65-9	50
5		2,6-Dimethyldecane	170	C12H26	013150-81-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

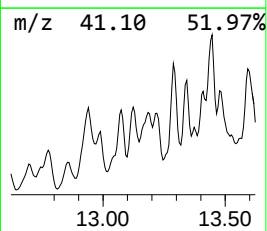
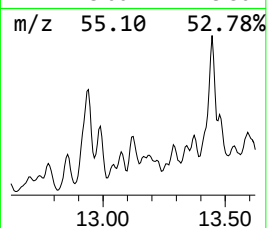
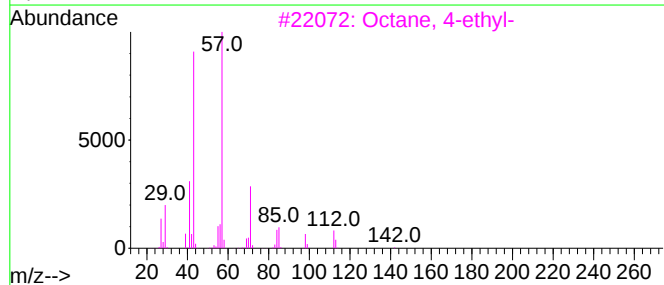
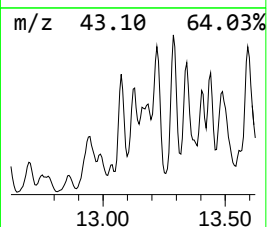
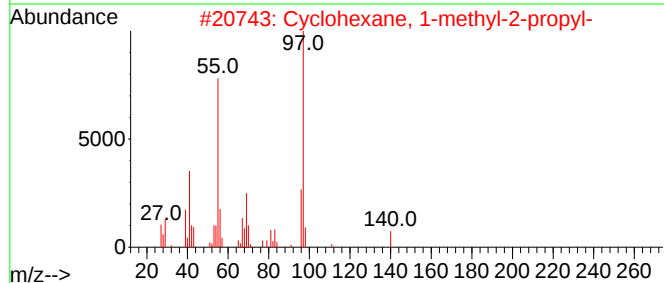
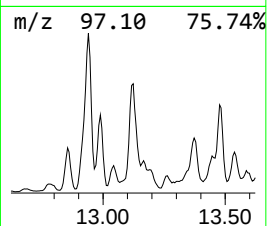
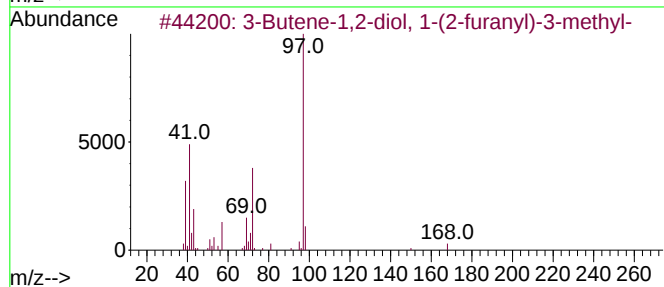
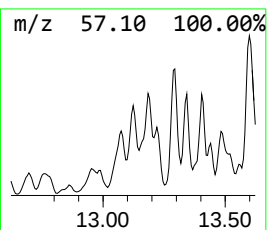
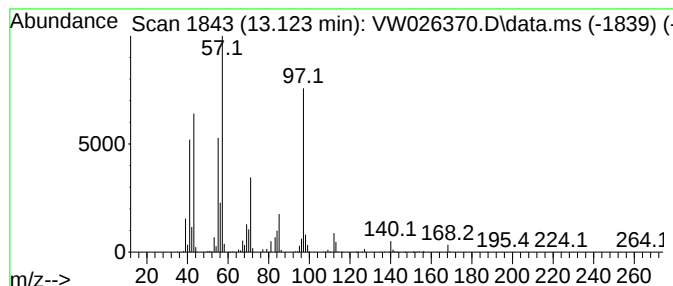
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Quant Title : SFAM01.0

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

Peak Number 23 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	24.42 ug/L	1107370	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butene-1,2-diol, 1-(2-furanyl)...	168	C9H12O3	021141-71-9	46		
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	46		
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	38		
4	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	38		
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	38		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

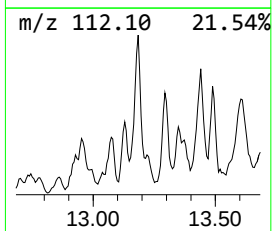
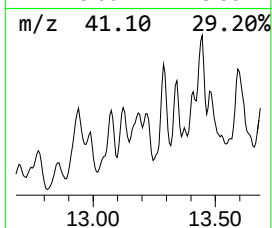
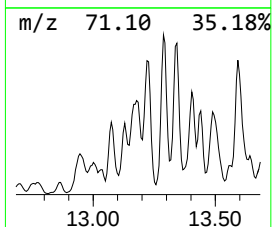
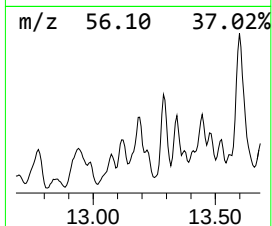
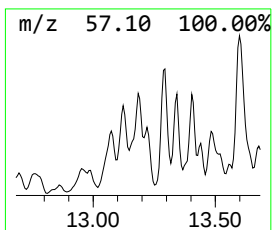
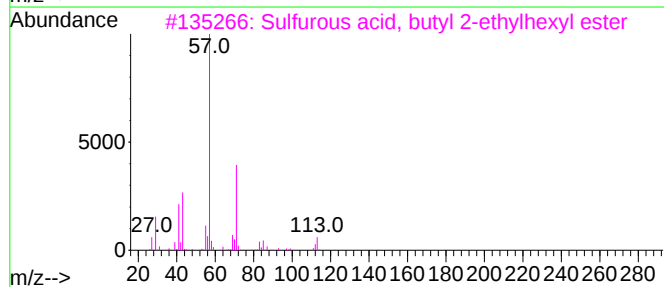
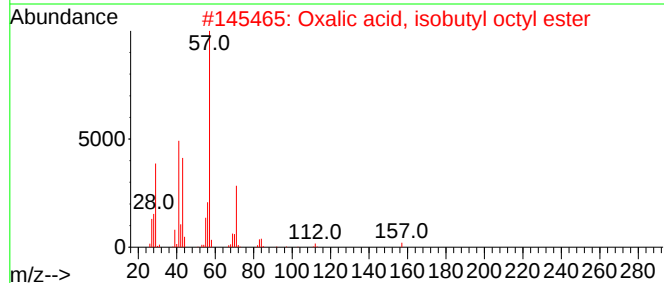
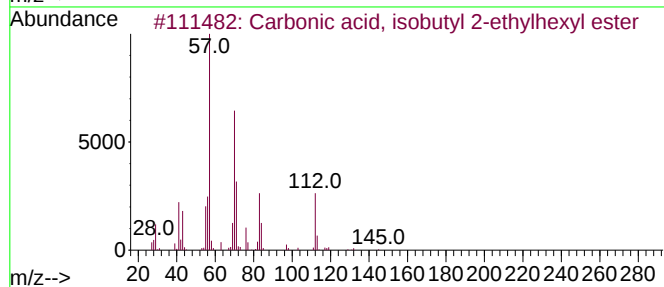
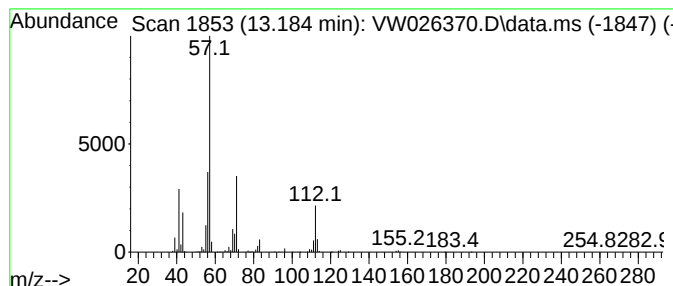
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Quant Title : SFAM01.0

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

Peak Number 24 Carbonic acid, isobutyl 2-e... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.184	16.15 ug/L	732208	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000383-13-3	50
2			Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	50
3			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	47
4			Carbonic acid, butyl 2-ethylhexy...	230	C13H26O3	1000357-84-4	45
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

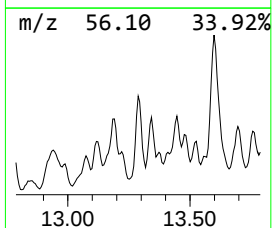
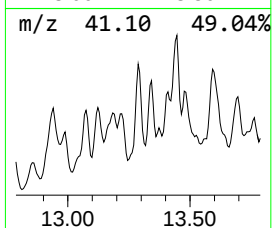
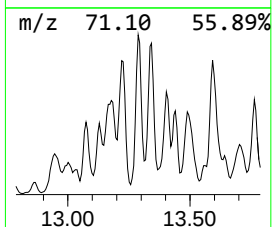
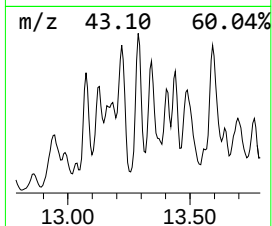
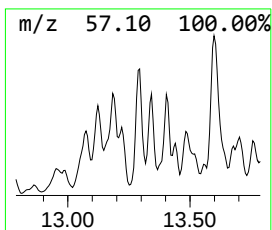
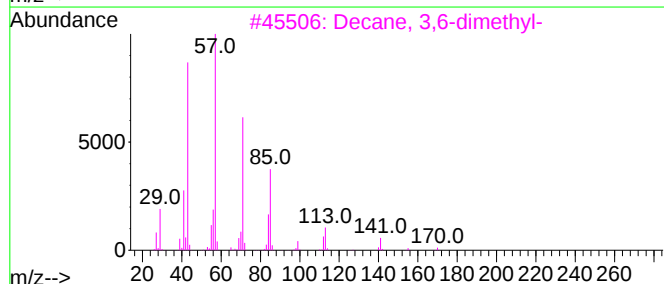
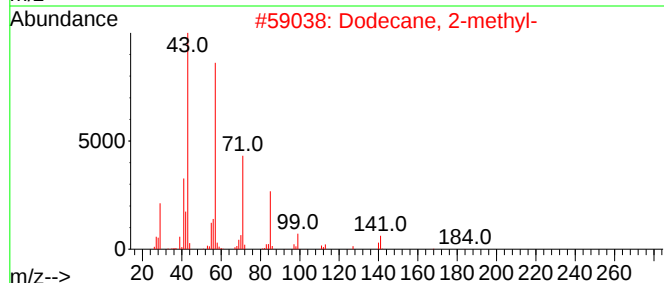
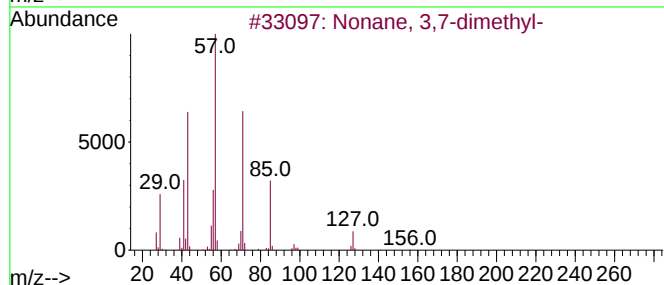
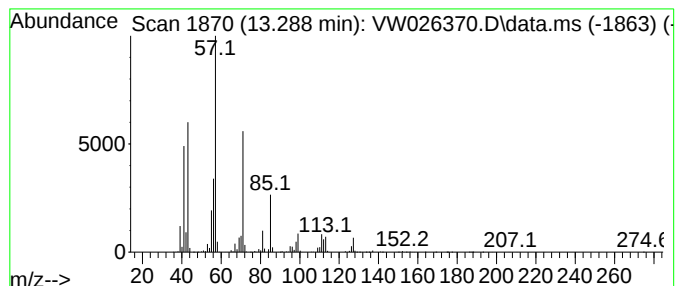
Instrument :
MSVOA_W
ClientSampleId :
A4646

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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.288	44.62 ug/L	2023180	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	81
2	Dodecane, 2-methyl-		184	C13H28	001560-97-0	59
3	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	59
4	Undecane, 5-methyl-		170	C12H26	001632-70-8	53
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

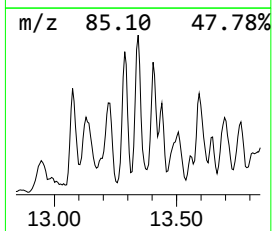
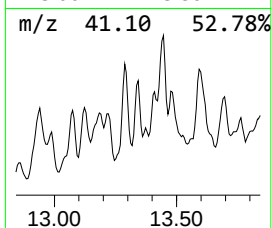
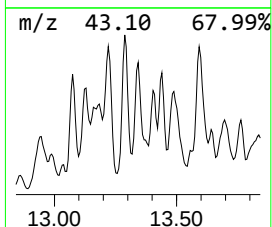
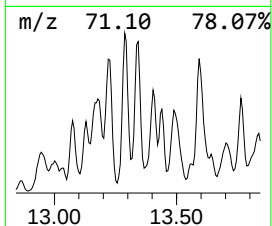
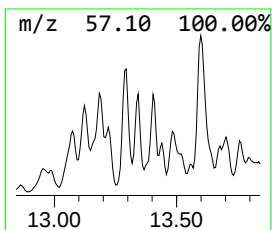
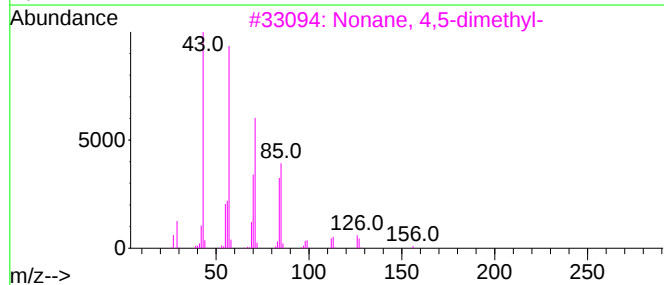
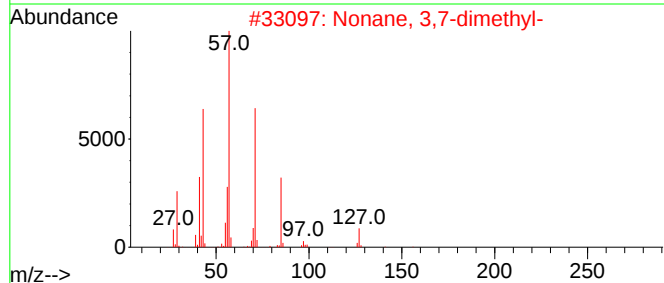
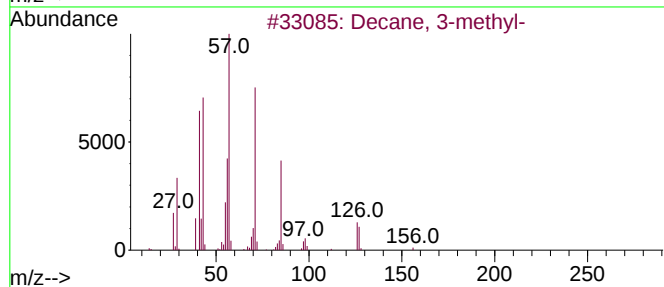
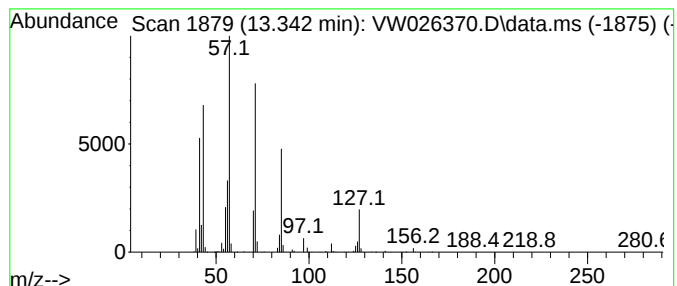
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.342	30.42 ug/L	1379360	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	81
2	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	78
3	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	59
4	Octadecane		254	C18H38	000593-45-3	59
5	Undecane, 3-methyl-		170	C12H26	001002-43-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

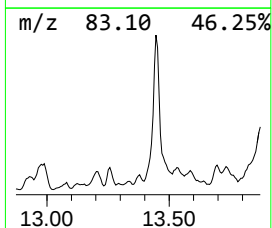
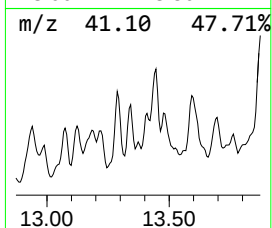
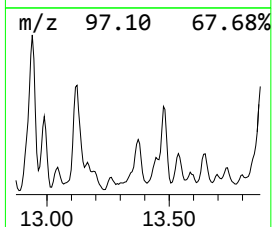
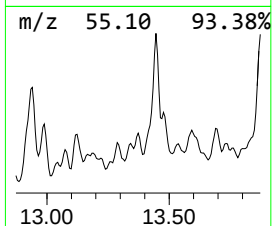
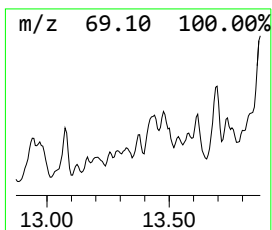
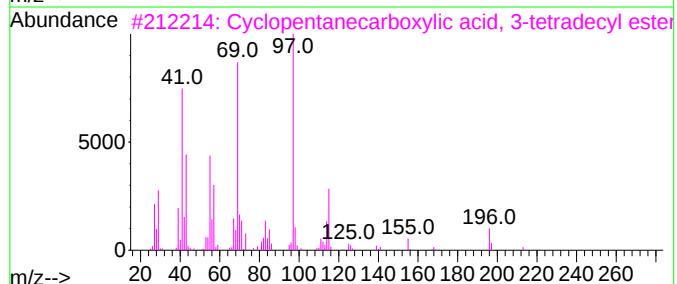
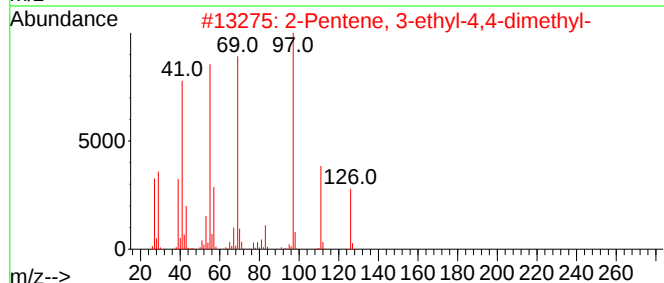
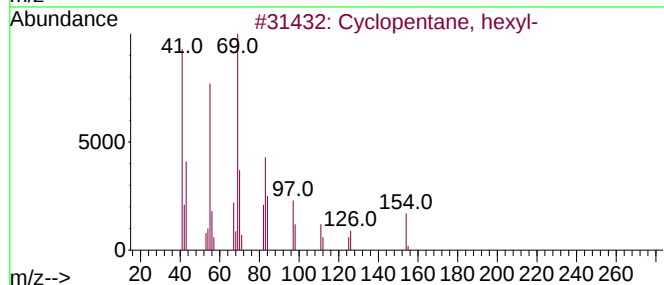
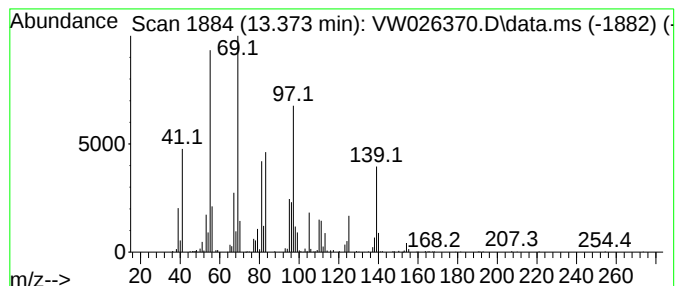
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic13.373 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	10.42 ug/L	472330	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, hexyl-	154	C11H22	004457-00-5	38
2			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	38
3			Cyclopentanecarboxylic acid, 3-t...	310	C20H38O2	1000280-58-8	35
4			2,6,10,14-Tetramethyl-7-(3-methy...	348	C25H48	1000370-41-6	27
5			2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

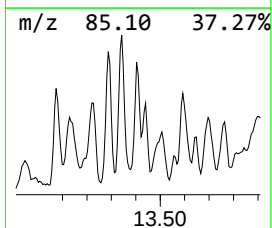
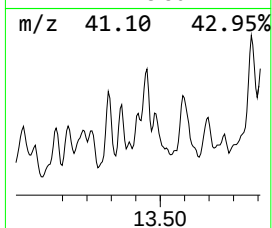
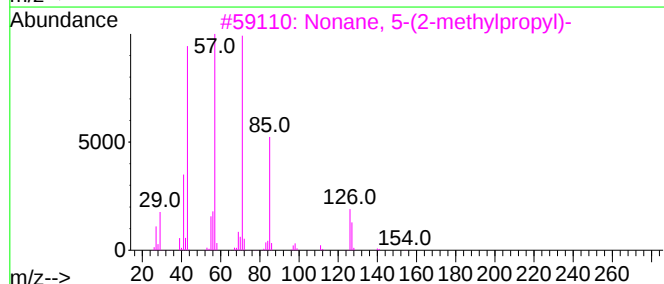
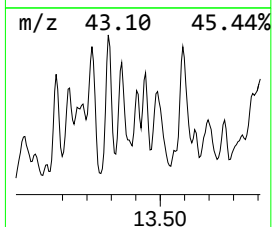
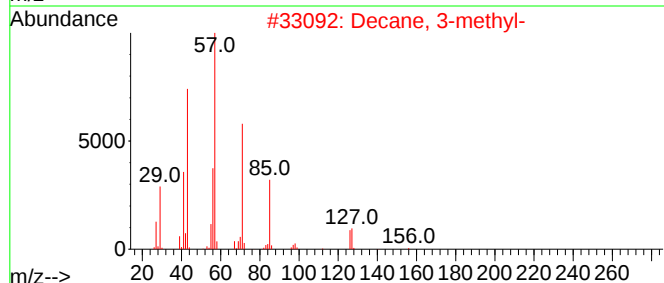
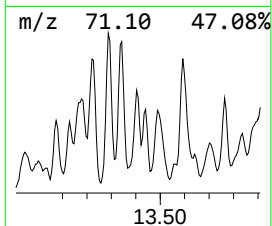
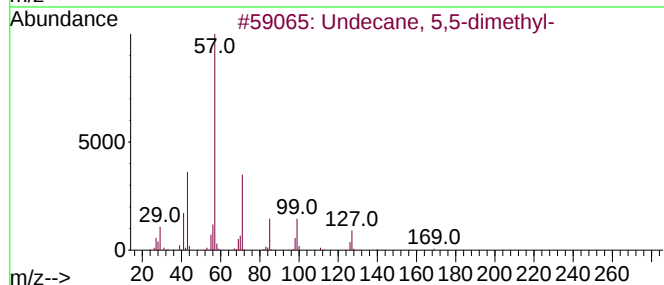
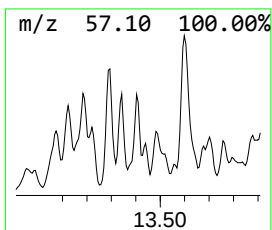
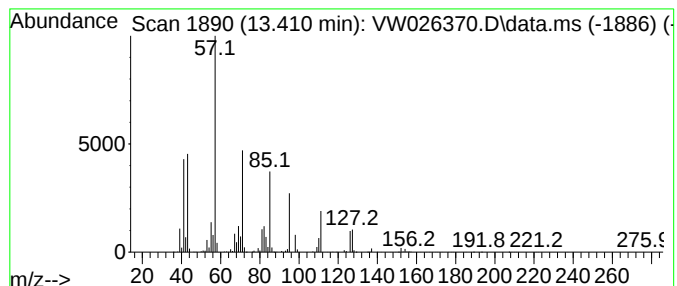
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.410	30.57 ug/L	1385980	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	50
2			Decane, 3-methyl-	156	C11H24	013151-34-3	49
3			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	47
4			Dodecane, 3-methyl-	184	C13H28	017312-57-1	43
5			Decane, 3-methyl-	156	C11H24	013151-34-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

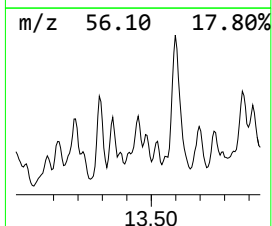
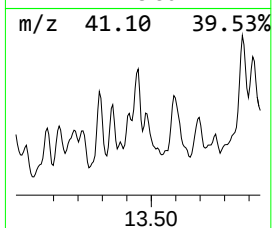
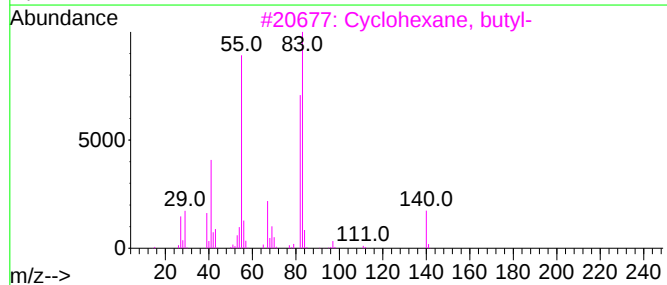
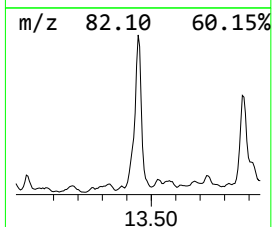
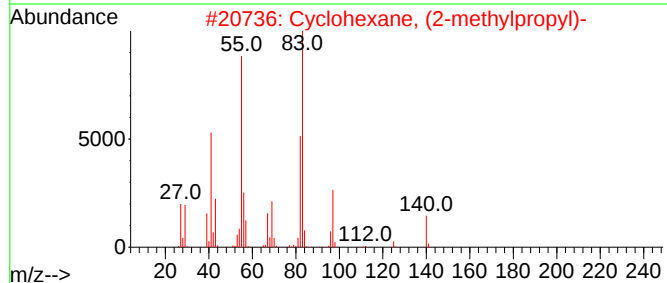
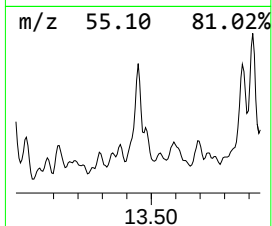
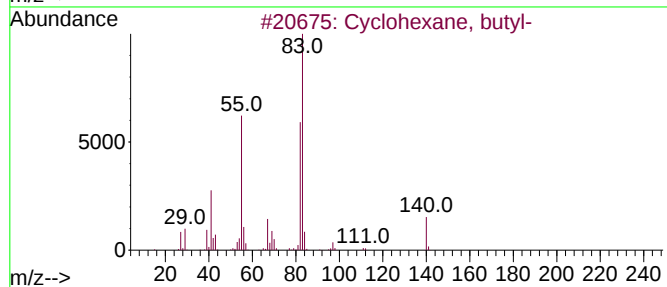
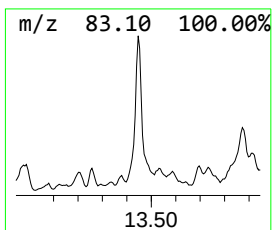
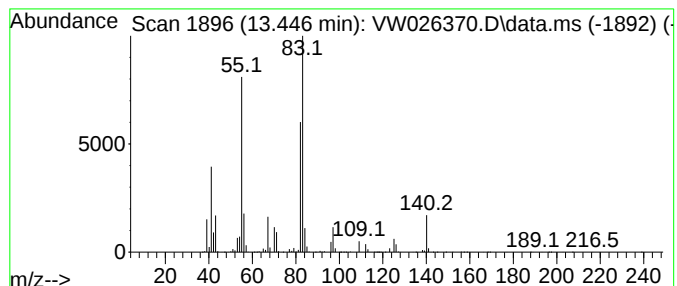
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic13.446 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	61.30 ug/L	2779300	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	80
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

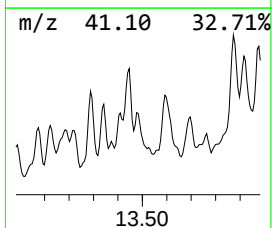
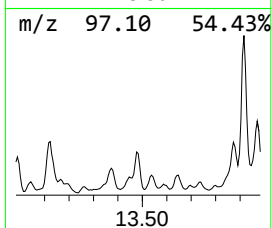
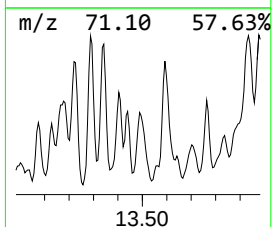
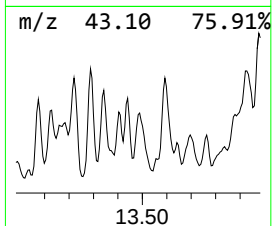
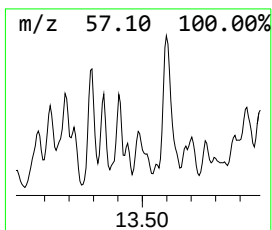
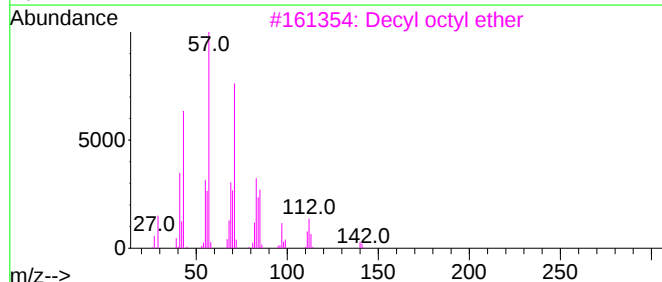
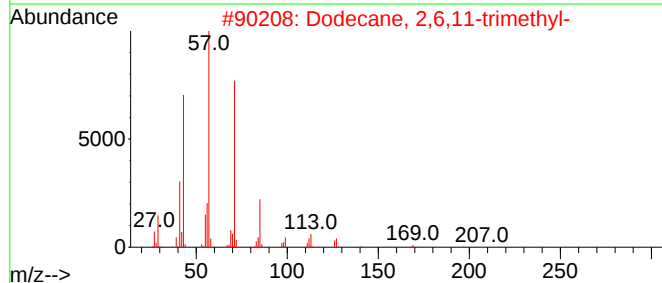
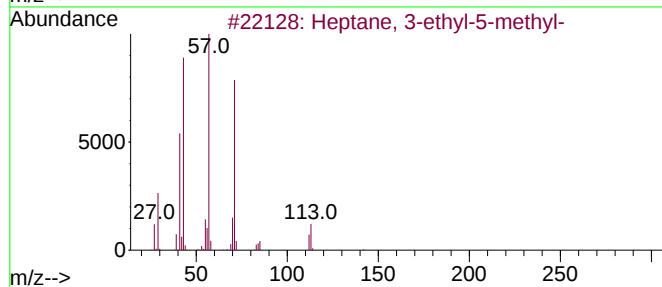
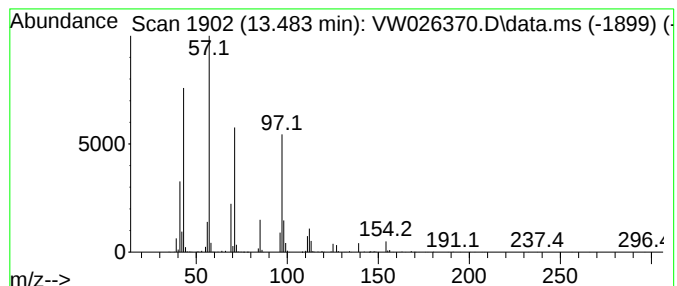
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	30.98 ug/L	1404810	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
3		Decyl octyl ether	270	C18H38O	1000406-38-3	38
4		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	38
5		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

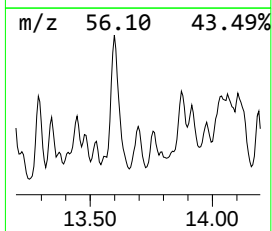
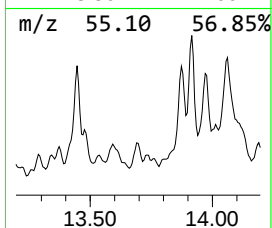
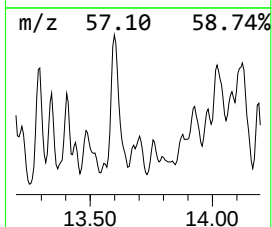
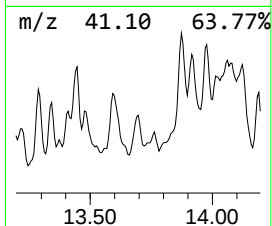
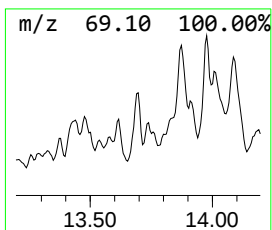
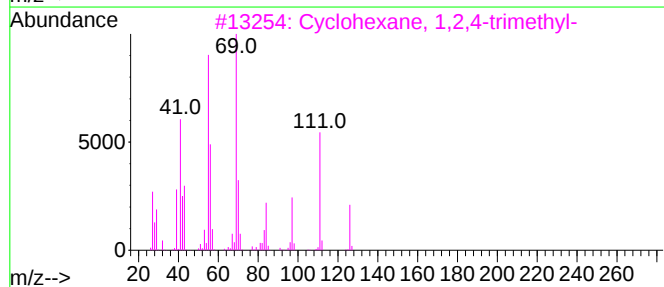
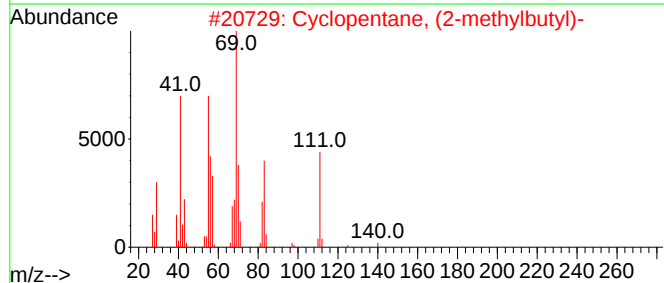
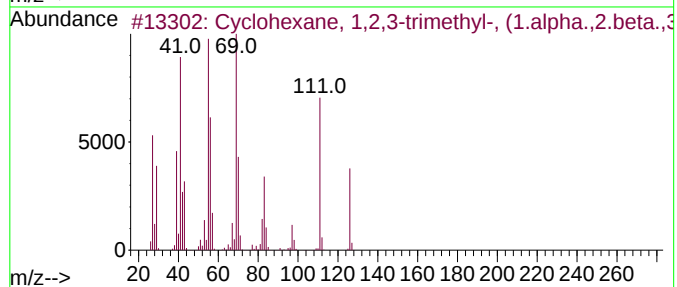
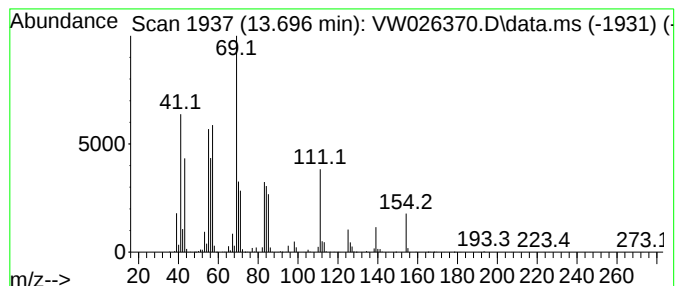
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MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 31 (DEL) Alkane: Cyclic13.696 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.696	29.26 ug/L	1326520	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...)		126	C9H18	001678-81-5	64
2	Cyclopentane, (2-methylbutyl)-		140	C10H20	053366-38-4	62
3	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	58
4	Cyclohexane, 1,1,2-trimethyl-		126	C9H18	007094-26-0	52
5	Cyclohexane, 1,1,2-trimethyl-		126	C9H18	007094-26-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

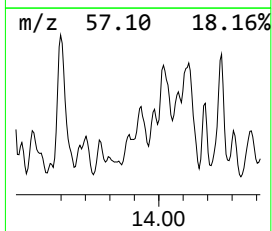
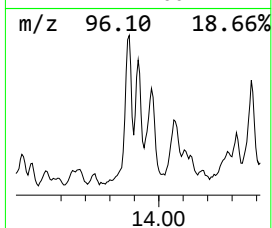
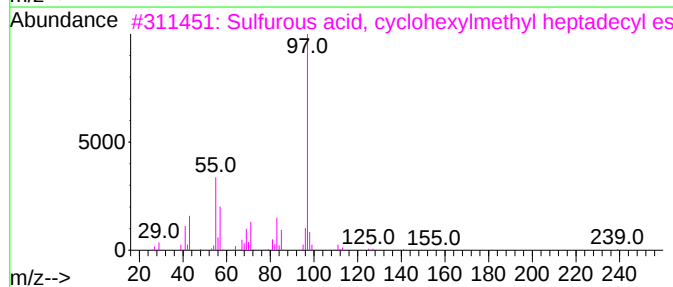
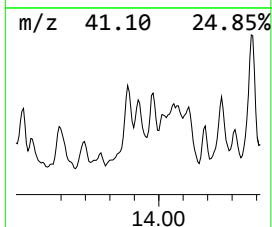
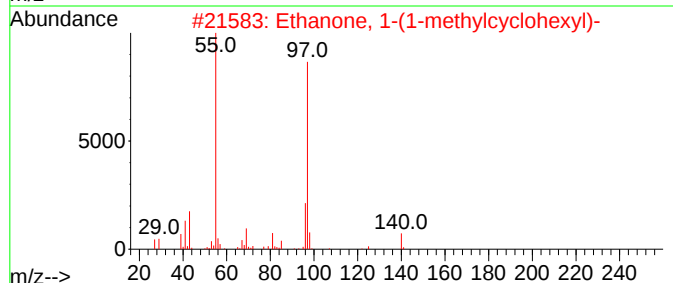
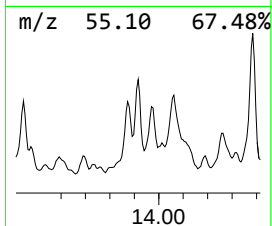
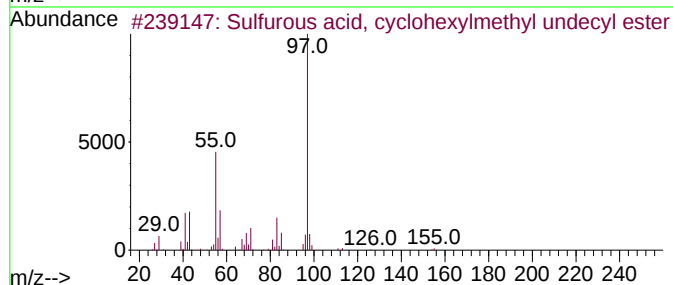
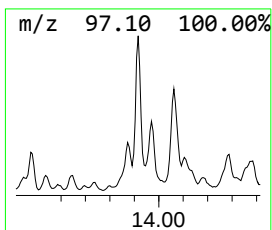
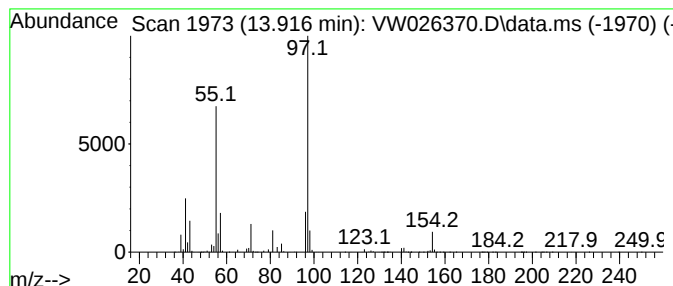
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Quant Title : SFAM01.0

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

Peak Number 32 Sulfurous acid, cyclohexylm... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	40.36 ug/L	1829710	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	72
2			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
3			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	59
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	59
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

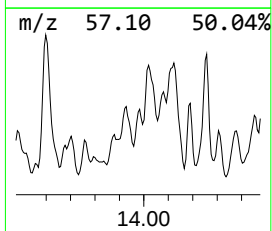
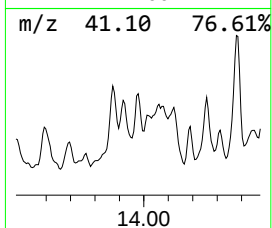
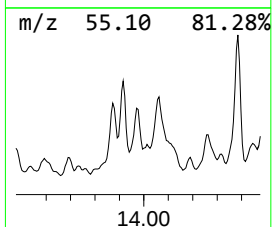
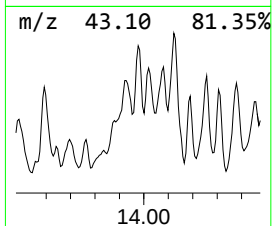
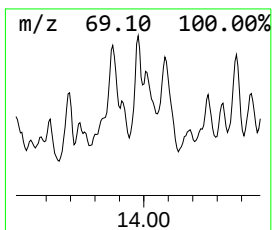
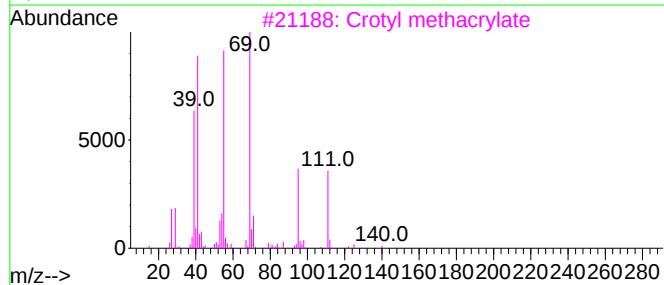
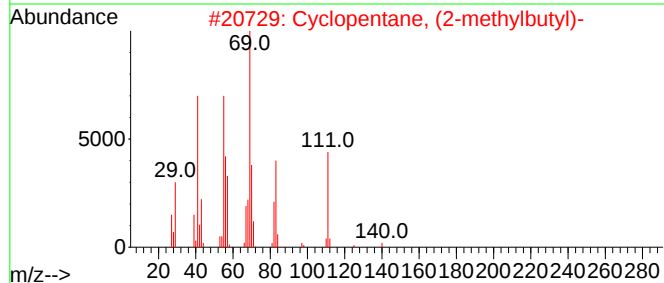
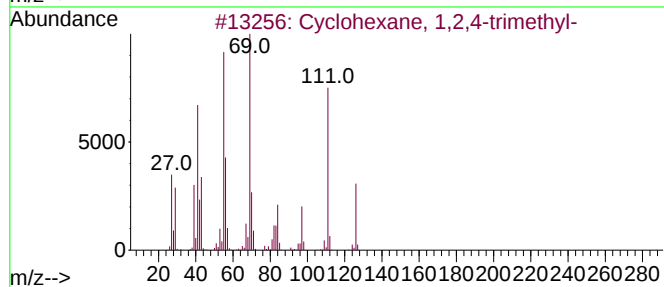
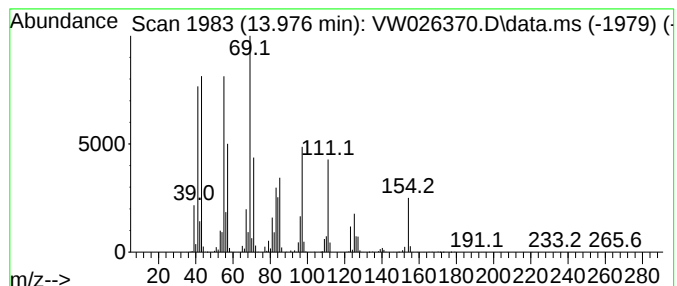
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic13.977 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	36.47 ug/L	1653520	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
2		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
3		Crotyl methacrylate	140	C8H12O2	007376-45-6	38
4		1,2,4-Oxadiazol-5-ol, 3-(trifluo...	154	C3HF3N2O2	1000460-81-4	30
5		Cyclooctane, methyl-	126	C9H18	001502-38-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

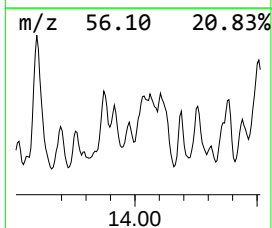
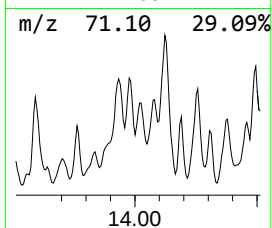
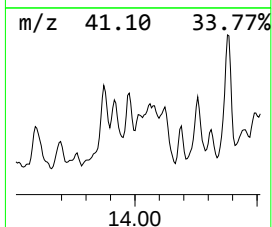
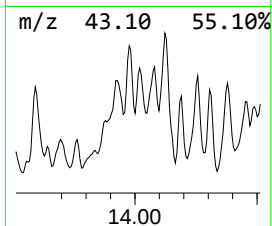
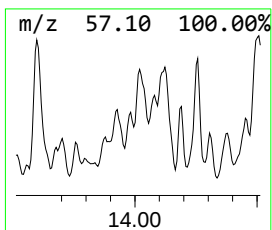
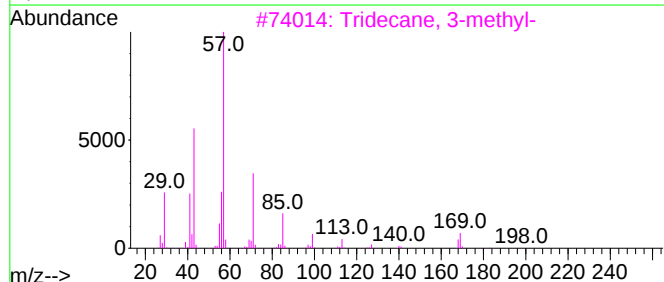
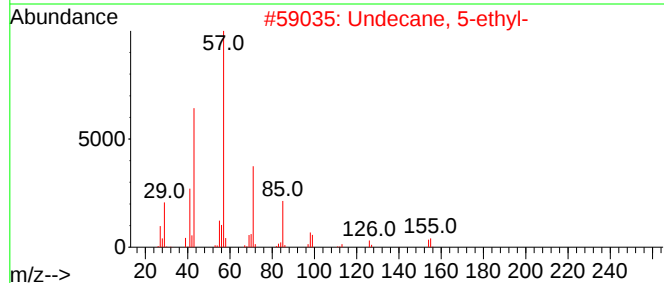
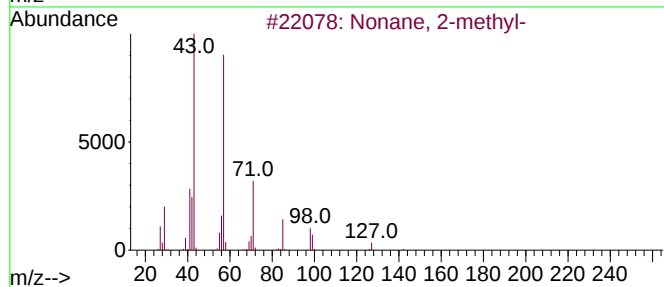
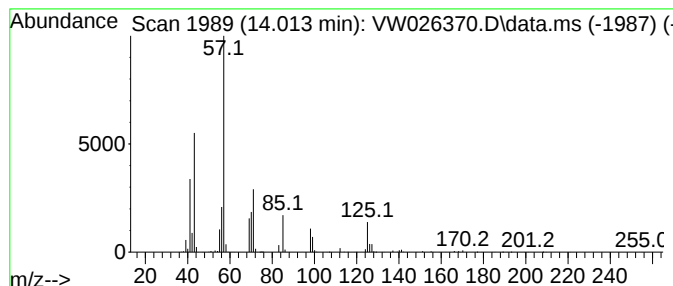
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.013	10.30 ug/L	467110	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2-methyl-	142	C10H22	000871-83-0	64
2			Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
4			Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

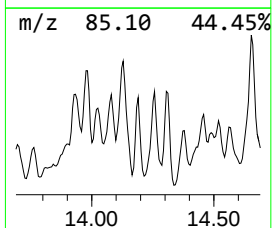
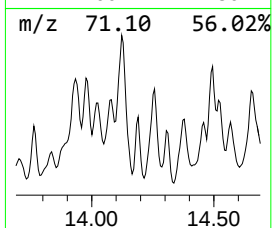
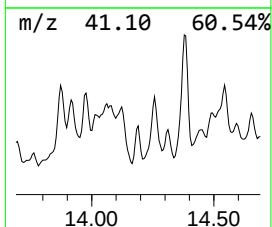
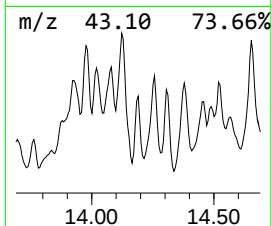
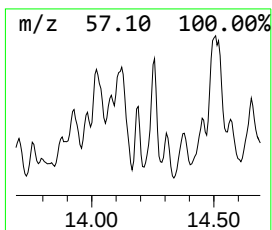
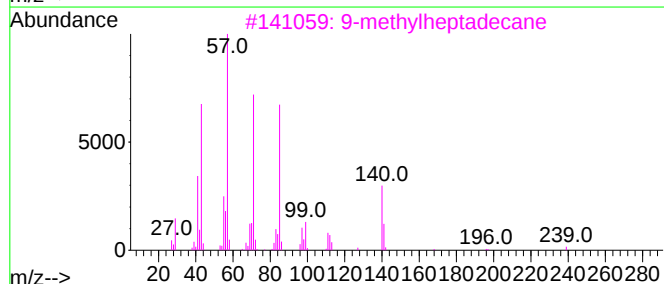
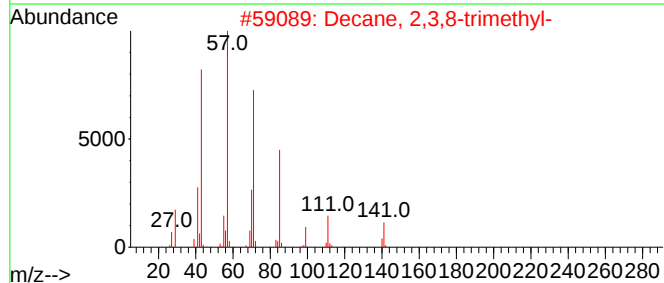
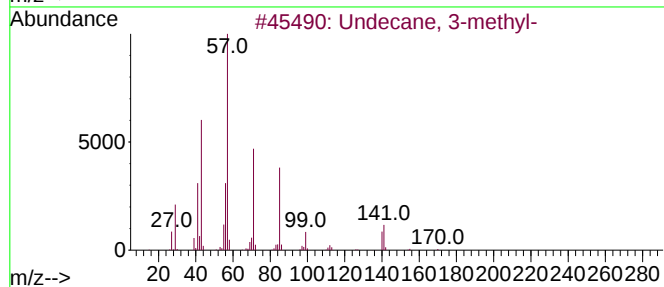
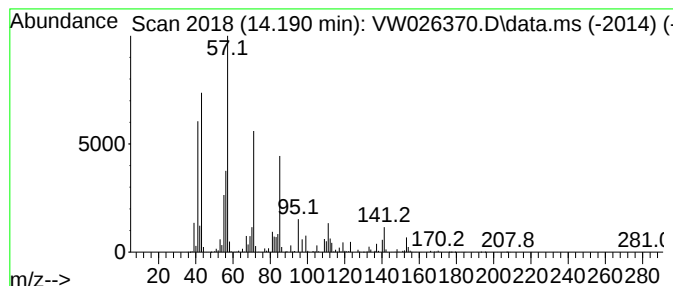
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	28.58 ug/L	1295590	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	74
2			Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	64
3			9-methylheptadecane	254	C18H38	026741-18-4	58
4			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	58
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
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Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

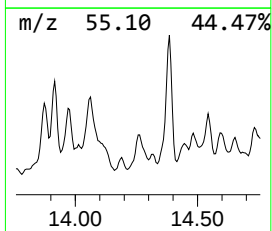
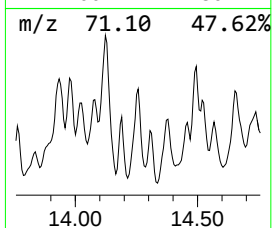
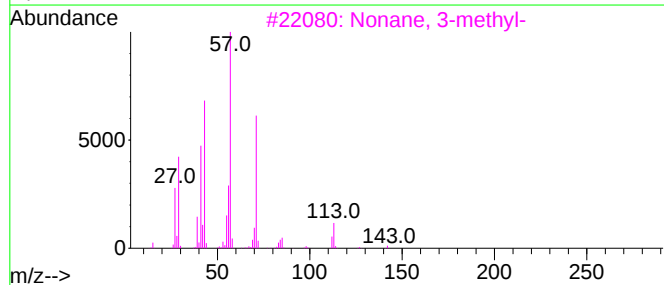
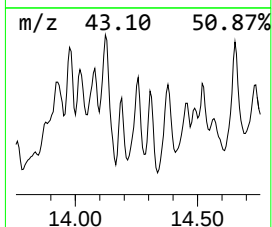
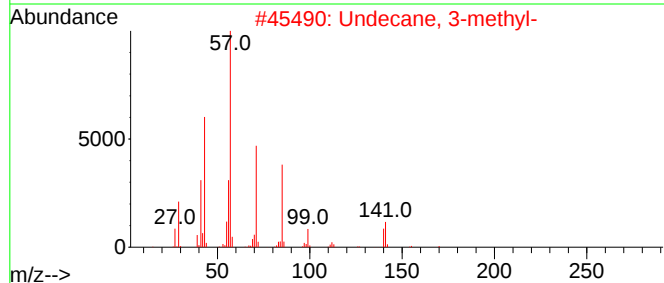
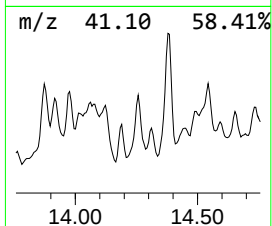
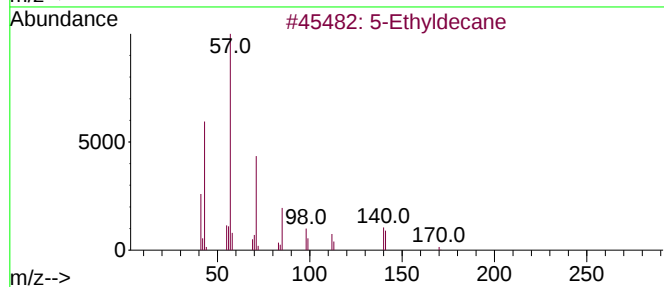
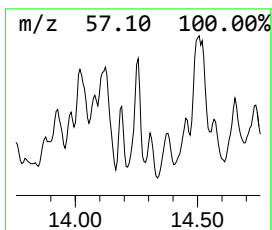
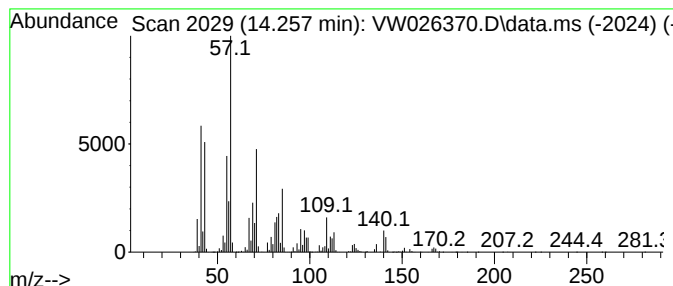
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.257	58.18 ug/L	2637730	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5-Ethyldecane		170	C12H26	017302-36-2	64
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	64
3	Nonane, 3-methyl-		142	C10H22	005911-04-6	60
4	Nonane, 3-methyl-		142	C10H22	005911-04-6	60
5	Carbonic acid, undecyl vinyl ester		242	C14H26O3	1000382-54-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

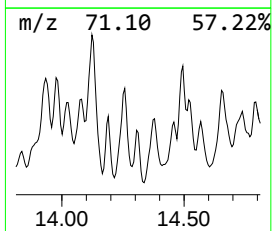
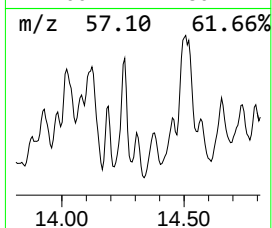
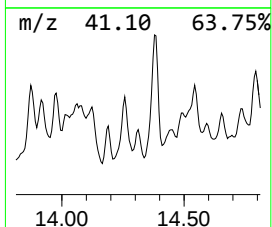
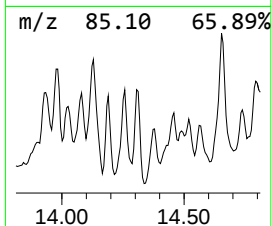
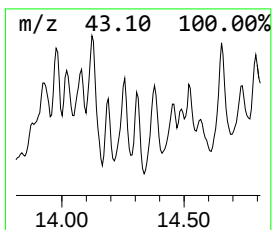
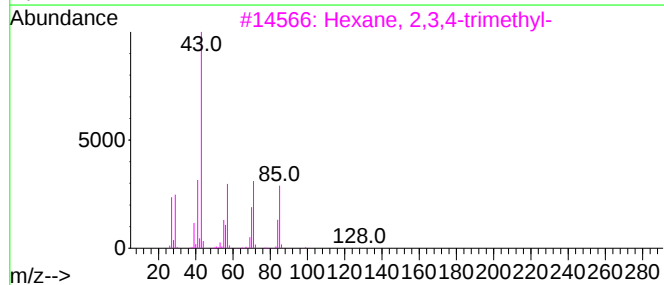
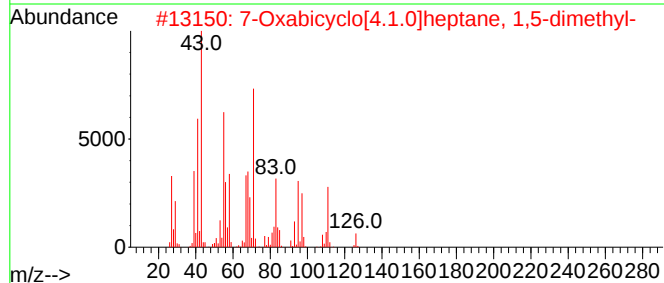
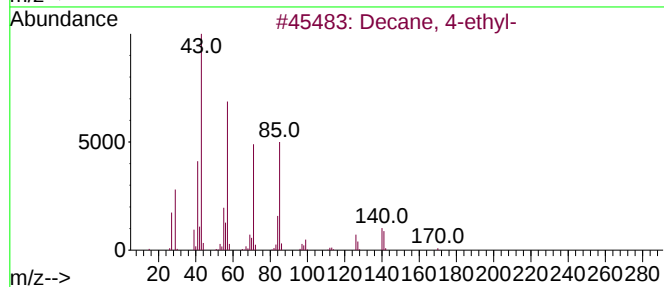
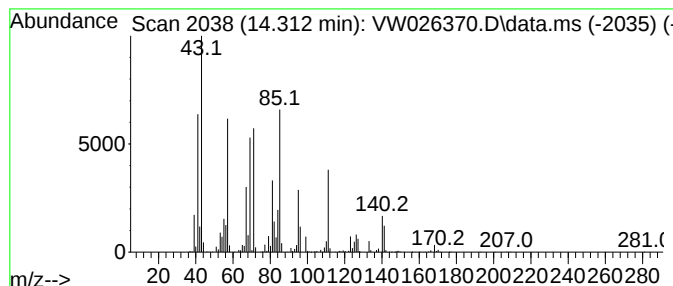
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.312	21.25 ug/L	963378	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	7-Oxabicyclo[4.1.0]heptane, 1,5-...		126	C8H14O	162239-52-3	38
3	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	35
4	Sulfurous acid, isohexyl pentyl ...		236	C11H24O3S	1000309-14-0	22
5	3,4-Dimethylcyclohexanol		128	C8H16O	005715-23-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

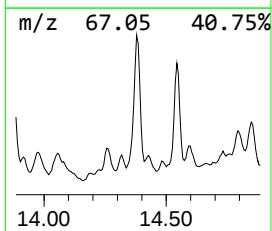
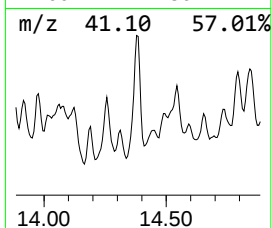
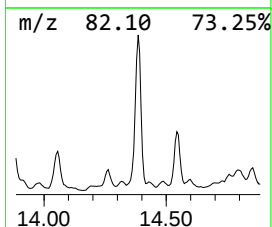
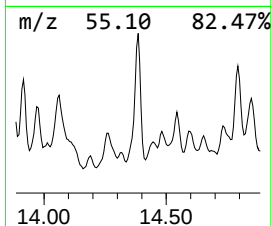
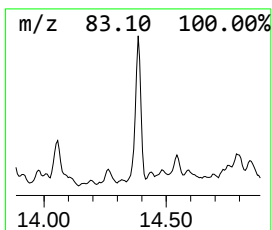
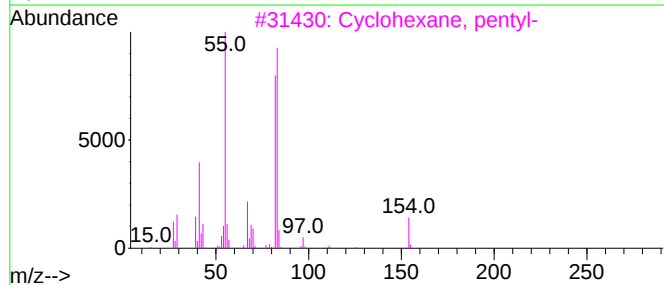
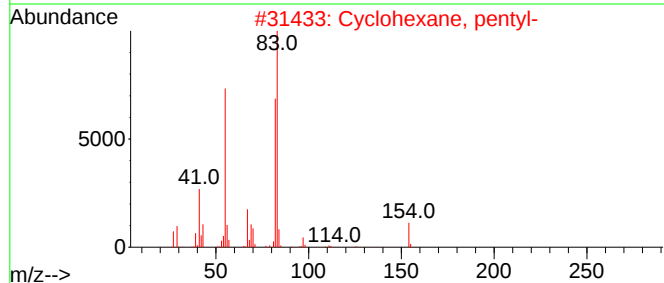
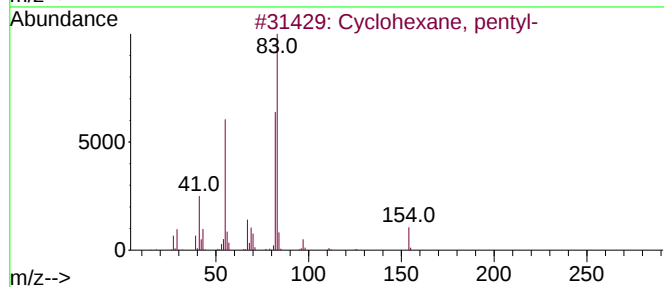
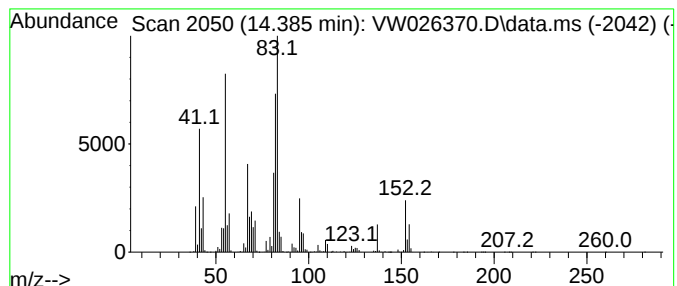
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic14.385 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	147.70 ug/L	6696350	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
4			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	59
5			Cyclohexane, undecyl-	238	C17H34	054105-66-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

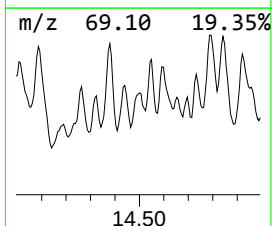
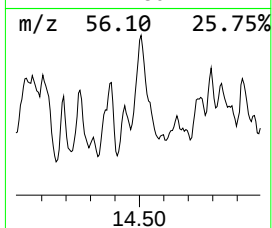
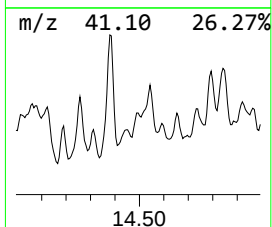
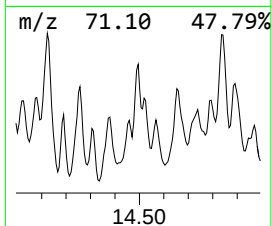
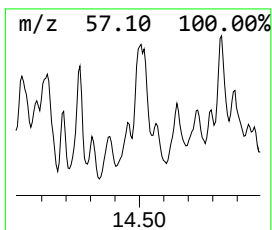
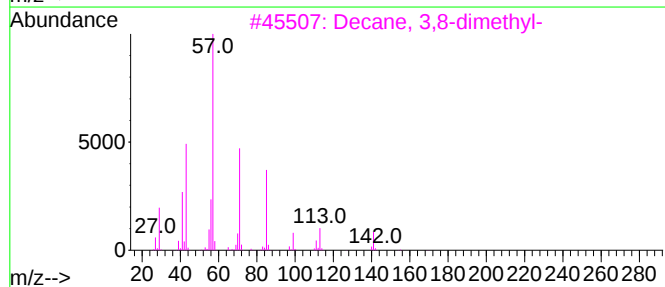
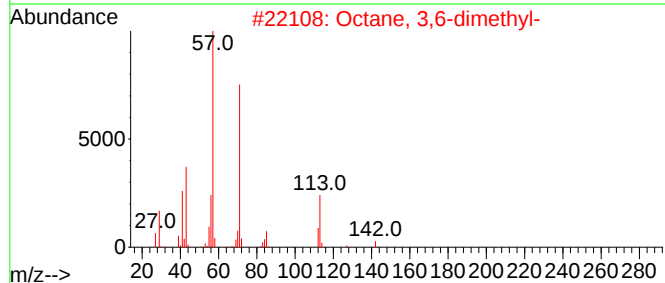
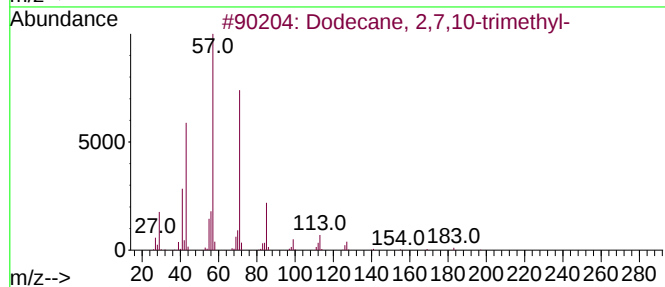
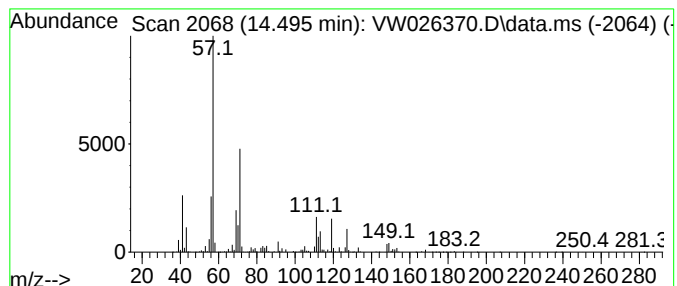
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.495	29.05 ug/L	1317300	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	59
2	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	53
3	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	53
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	53
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

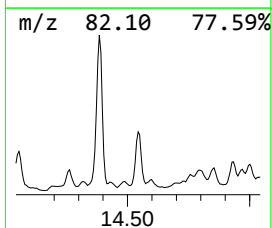
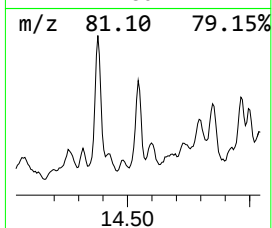
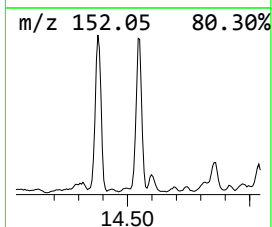
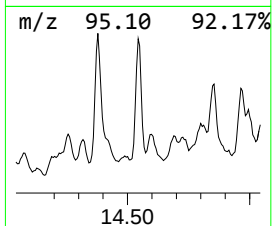
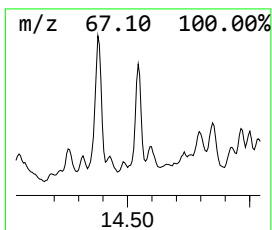
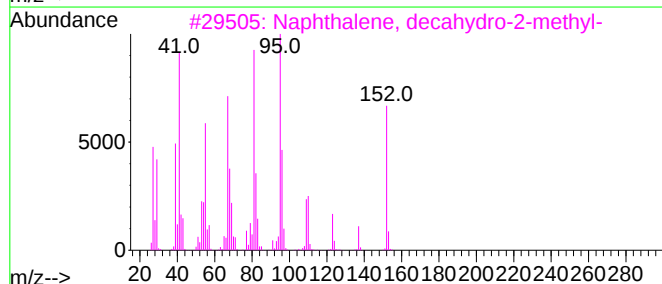
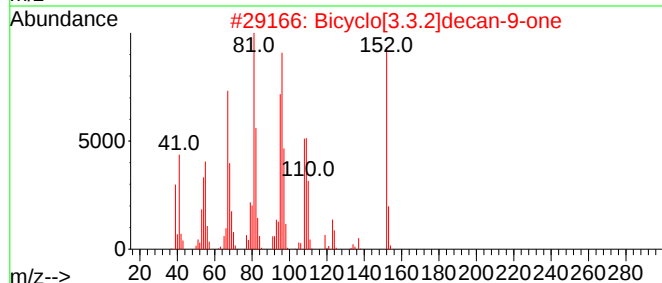
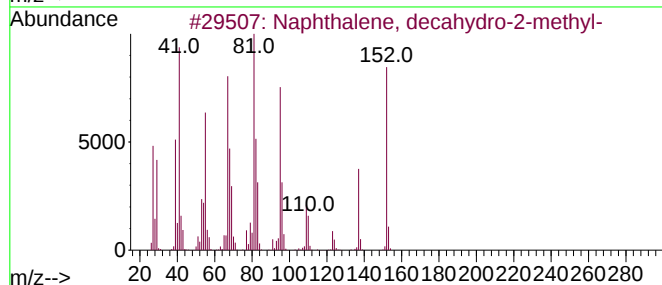
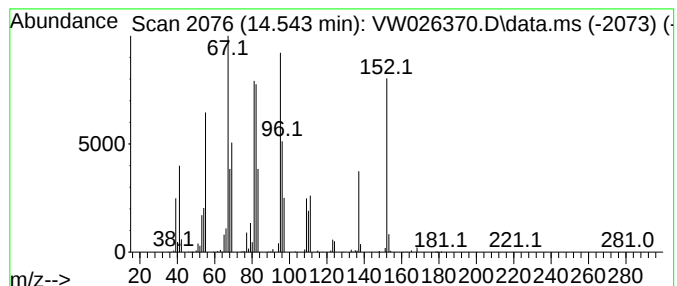
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Quant Title : SFAM01.0

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

Peak Number 40 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	50.69 ug/L	2298090	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	70
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
4			(+)-Dihydrocarvone	152	C10H16O	005524-05-0	60
5			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

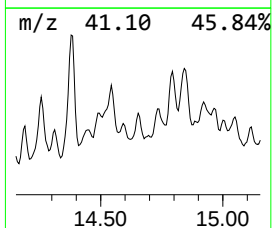
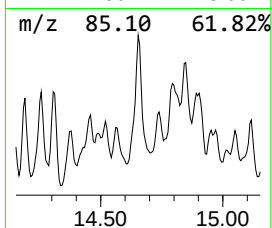
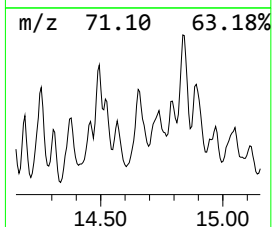
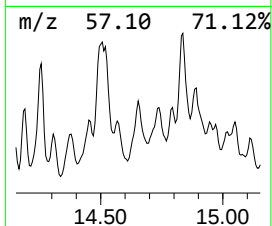
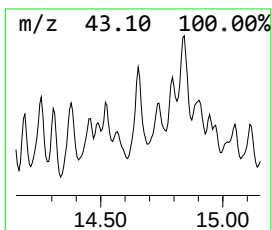
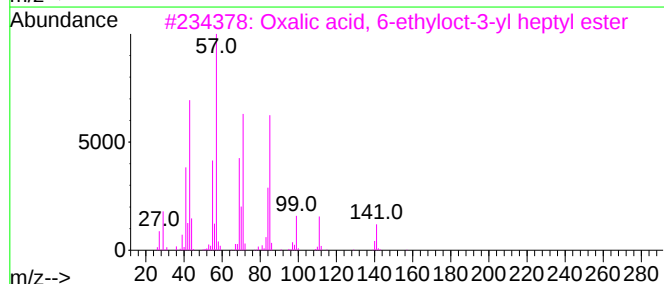
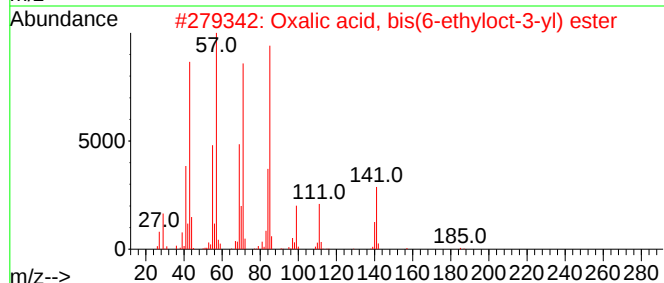
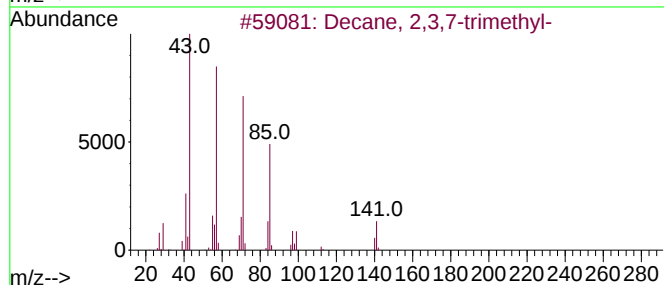
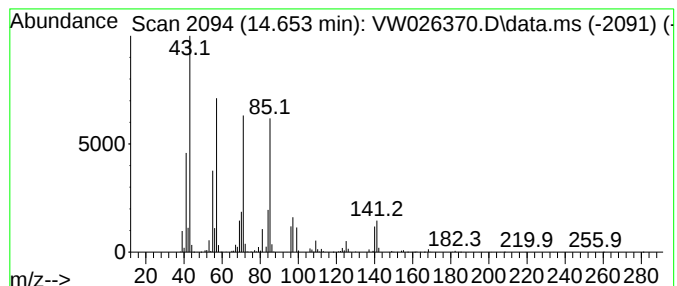
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	17.22 ug/L	780658	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	72
2		Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	72
3		Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	68
4		Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	53
5		Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

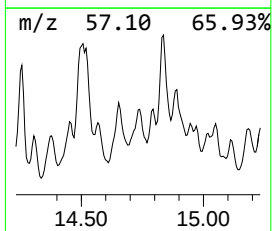
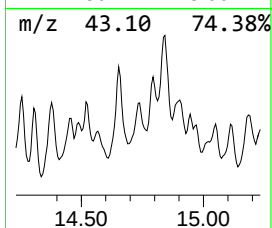
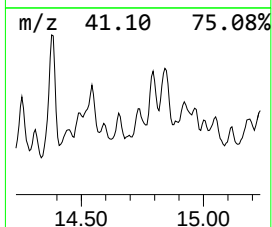
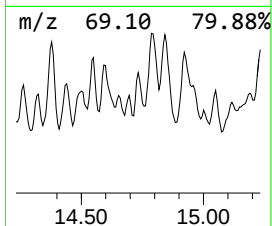
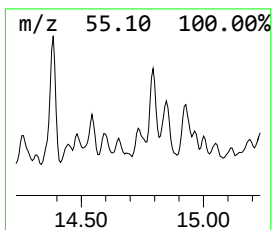
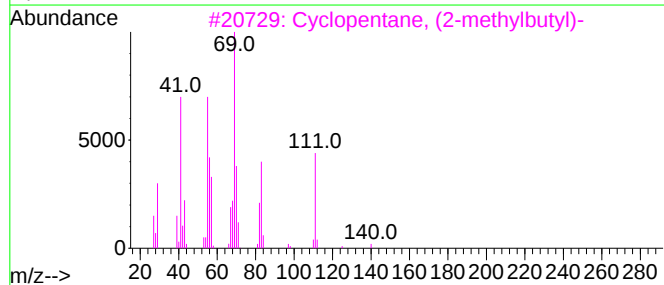
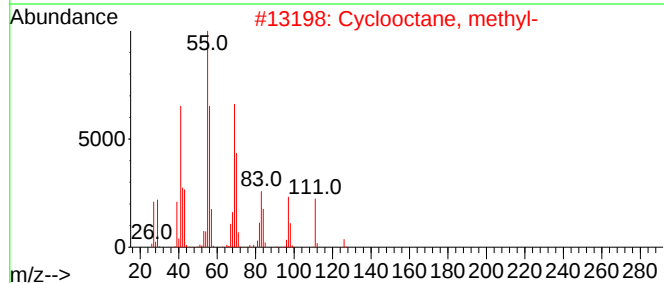
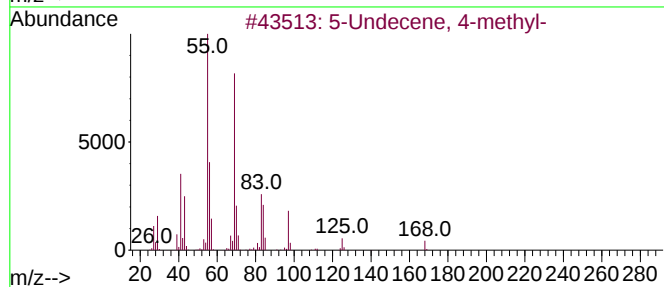
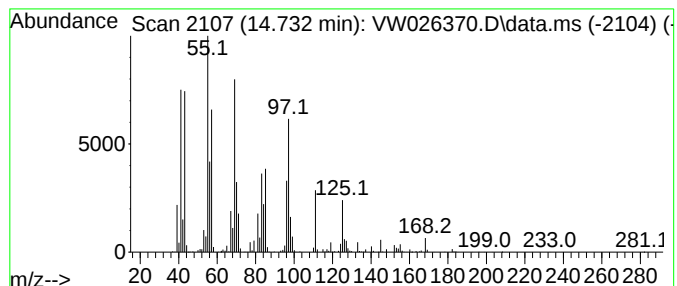
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	27.27 ug/L	1236320	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene, 4-methyl-	168	C12H24	143185-91-5	46	
2	Cyclooctane, methyl-	126	C9H18	001502-38-1	46	
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43	
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38	
5	Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	38	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

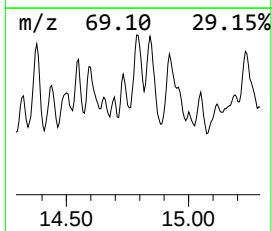
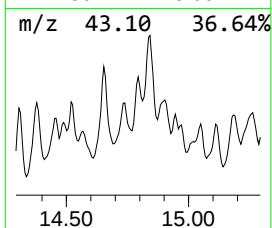
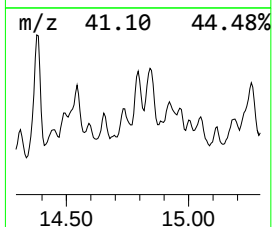
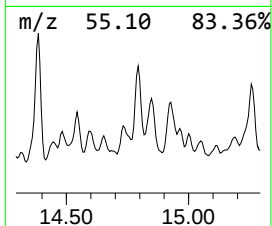
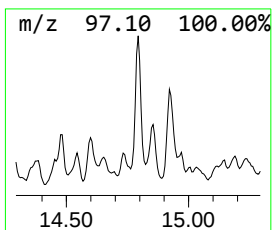
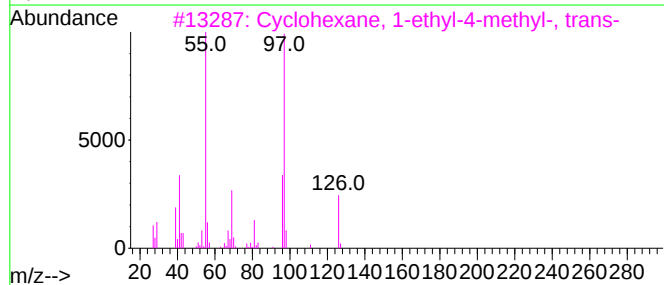
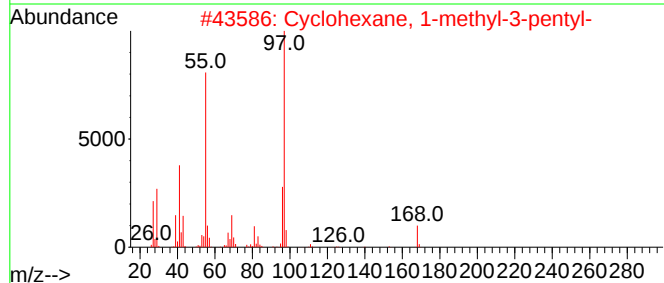
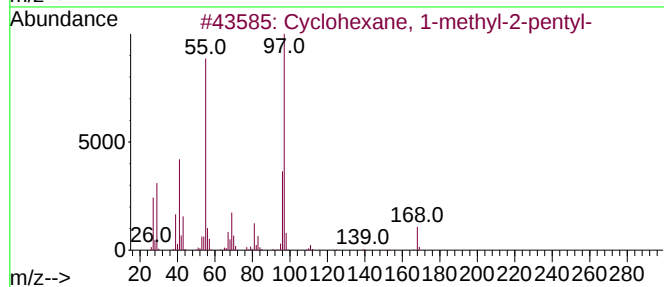
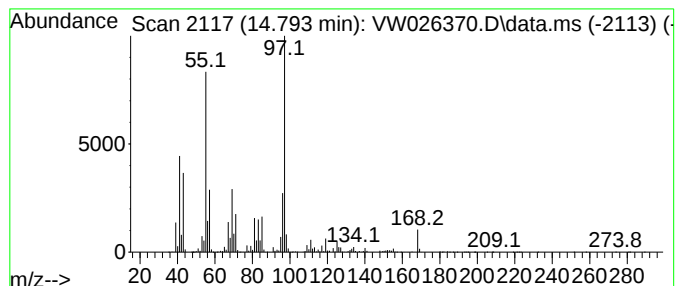
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic14.793 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	71.14 ug/L	3225290	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	80
2			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	80
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	76
4			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	72
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

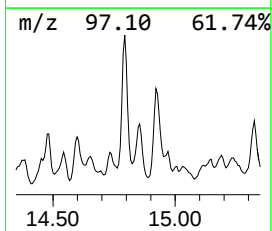
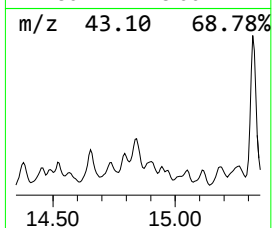
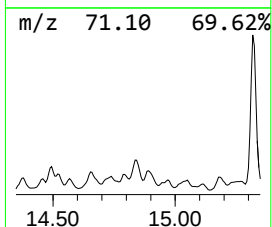
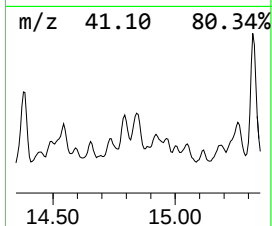
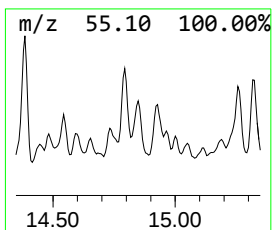
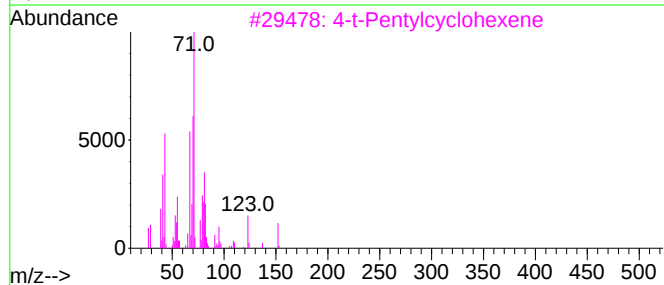
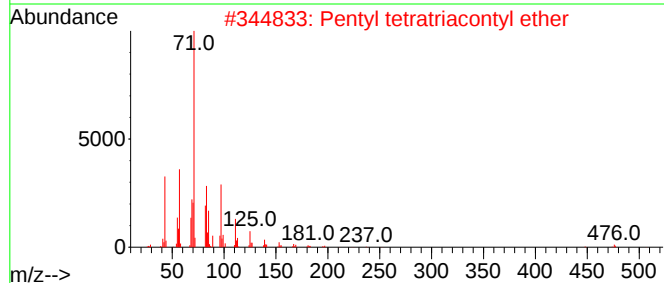
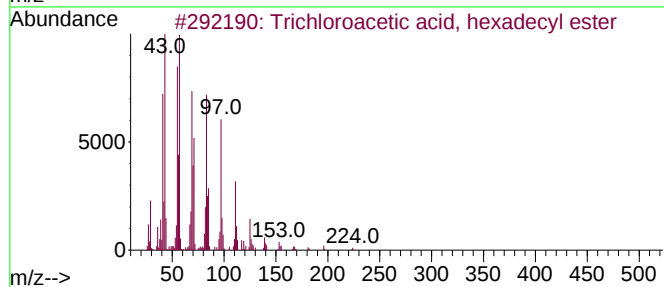
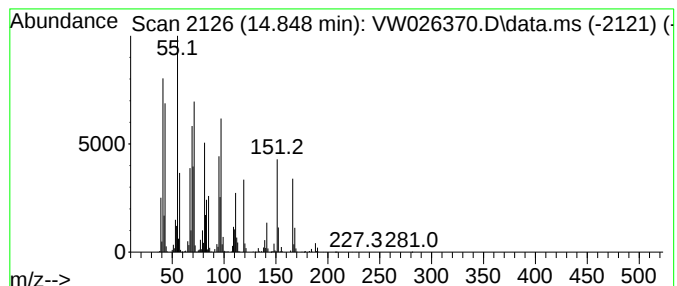
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Quant Title : SFAM01.0

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

Peak Number 44 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.848	76.89 ug/L	3485990	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	14
2			Pentyl tetratriacontyl ether	565	C39H80O	1010406-42-7	14
3			4-t-Pentylcyclohexene	152	C11H20	051874-62-5	11
4			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	11
5			3-Dodecene, (E)-	168	C12H24	007206-14-6	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

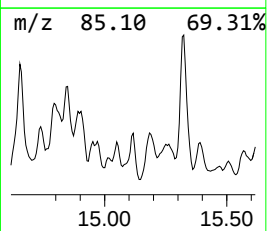
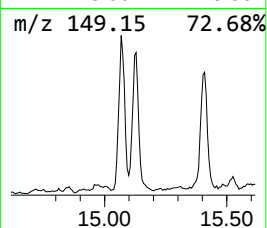
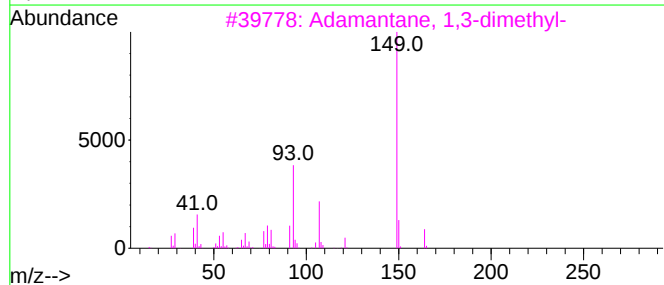
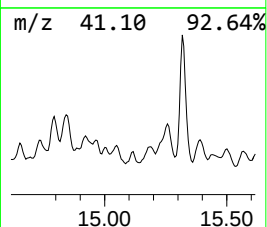
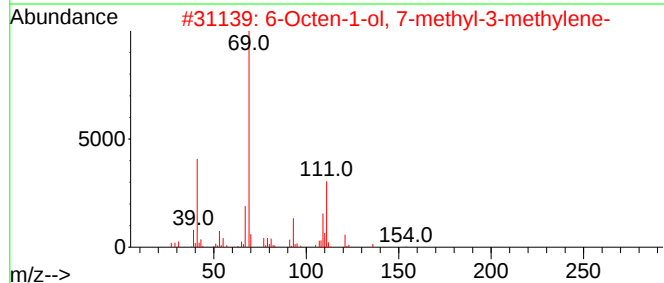
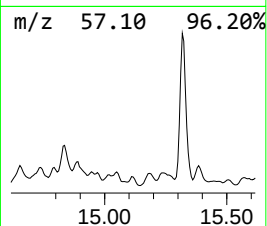
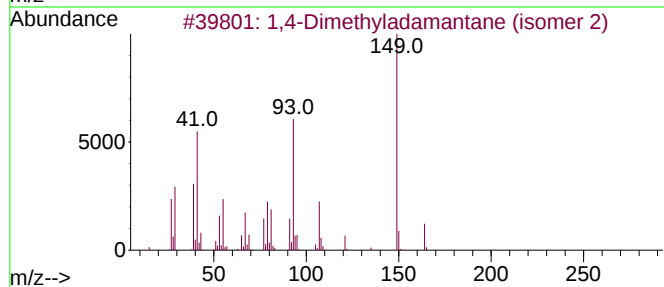
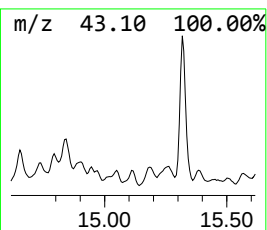
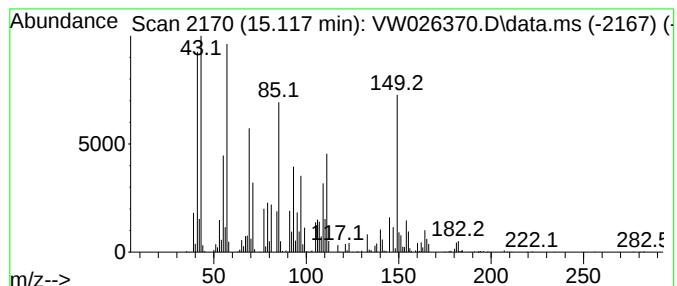
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Quant Title : SFAM01.0

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

Peak Number 45 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.117	11.13 ug/L	504584	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Dimethyladamantane (isomer 2)	164	C12H20	1000460-67-1	30
2			6-Octen-1-ol, 7-methyl-3-methylene-	154	C10H18O	013066-51-8	30
3			Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	27
4			Naphthalene, 1,2,3,4,4a,5,6,8a-o...	164	C12H20	055976-09-5	25
5			Added stereo to name	164	C12H20	024145-88-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

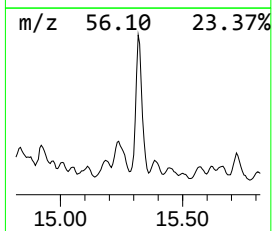
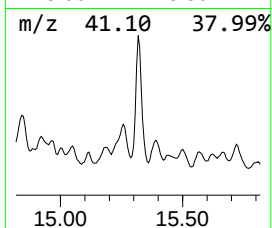
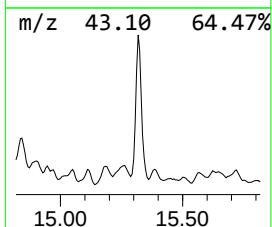
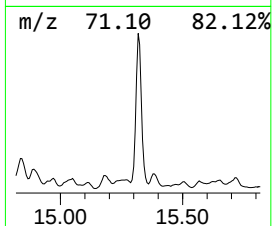
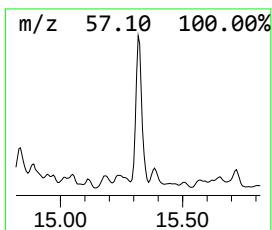
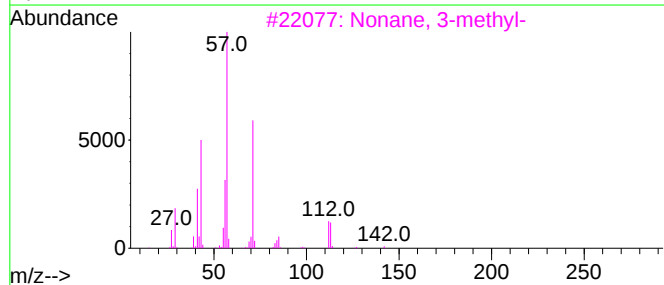
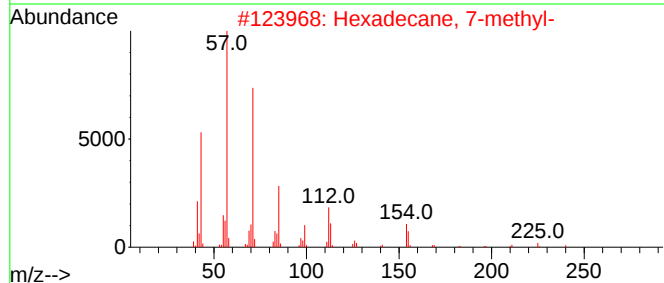
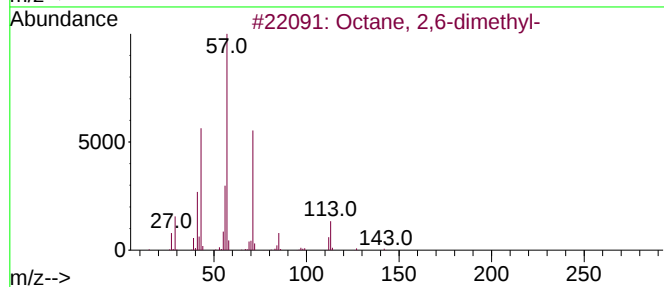
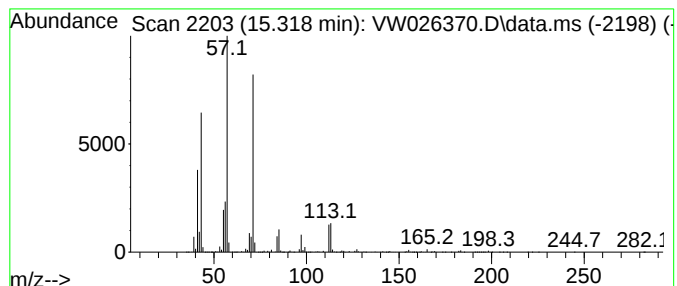
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	192.15 ug/L	8711580	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	72
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

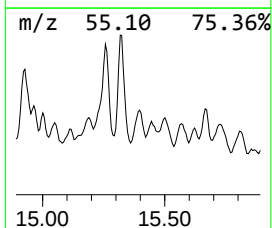
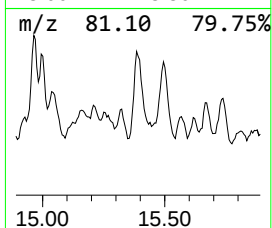
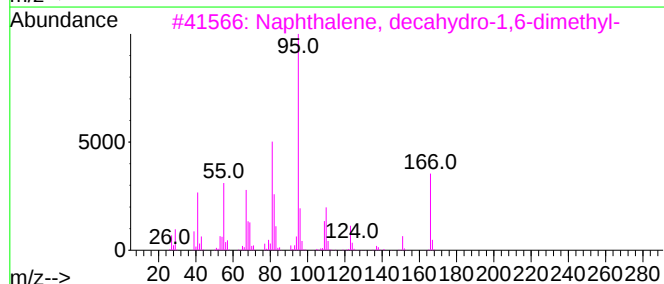
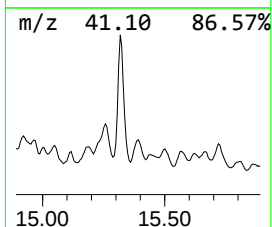
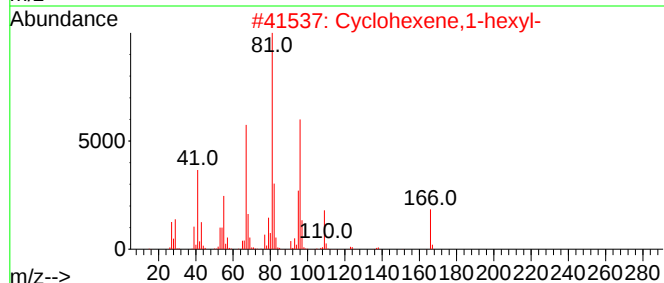
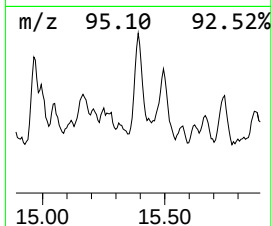
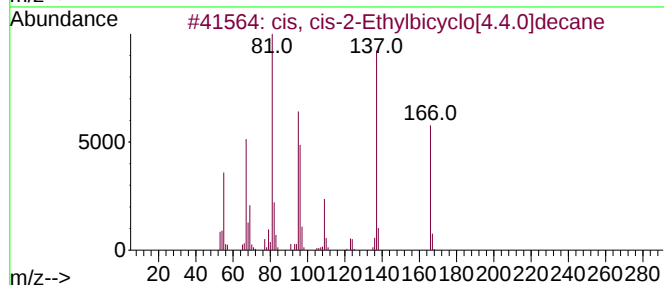
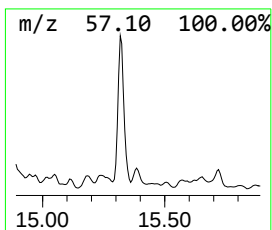
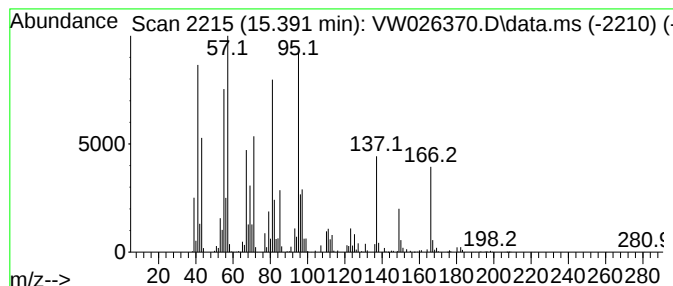
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Quant Title : SFAM01.0

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

Peak Number 47 cis, cis-2-Ethylbicyclo[4.4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	49.75 ug/L	2255490	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	53
2			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	38
3			Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	25
4			.alpha.-Santoline alcohol	154	C10H18O	090823-36-2	22
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

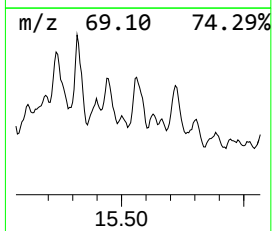
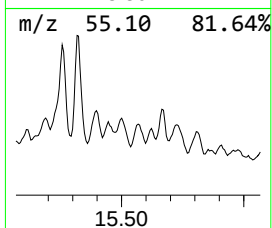
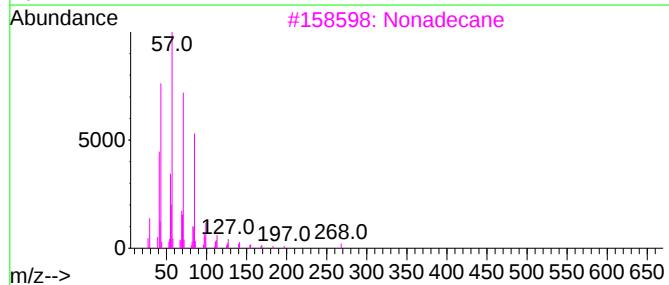
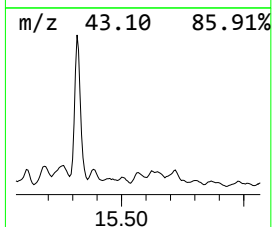
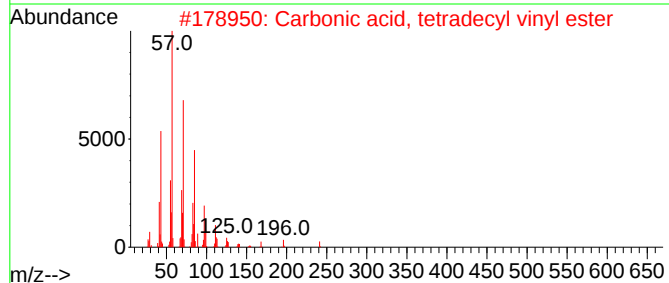
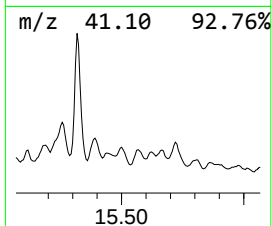
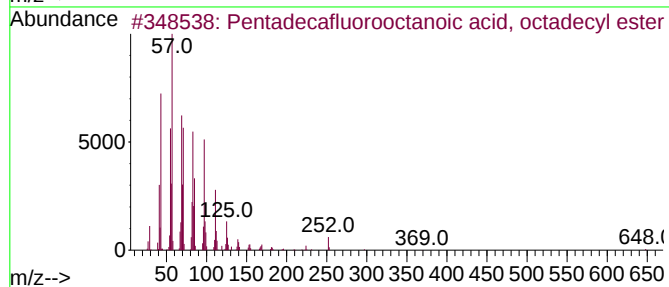
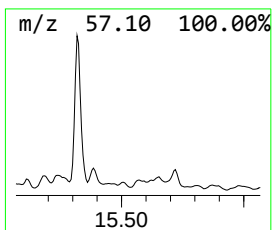
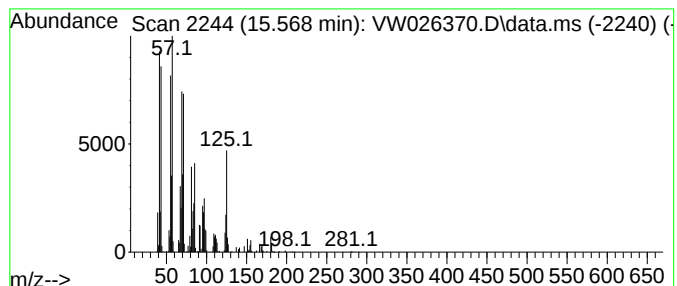
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Quant Title : SFAM01.0

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

Peak Number 48 Pentadecafluorooctanoic aci... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	24.07 ug/L	1091250	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	58
2			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	38
3			Nonadecane	268	C19H40	000629-92-5	35
4			Tridecane	184	C13H28	000629-50-5	30
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

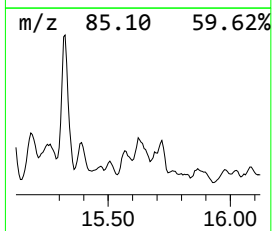
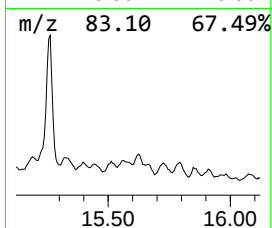
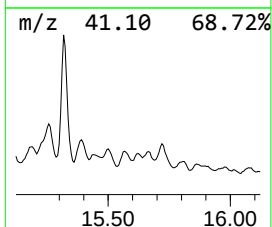
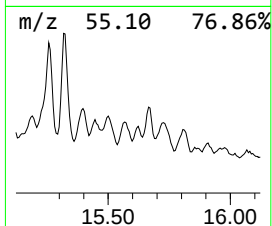
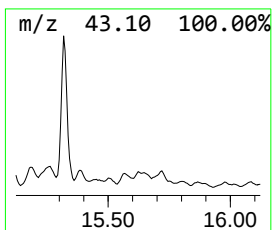
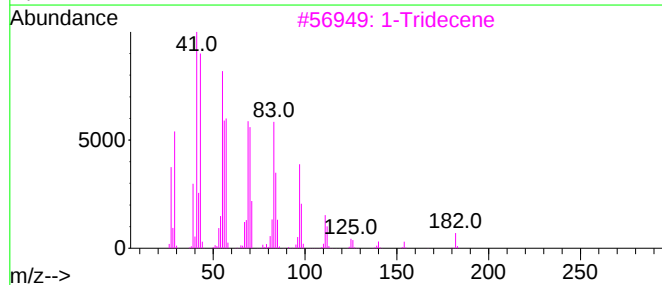
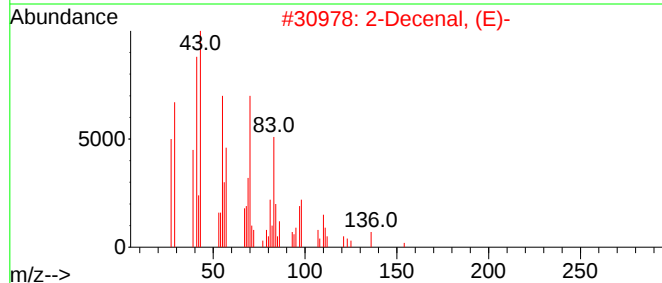
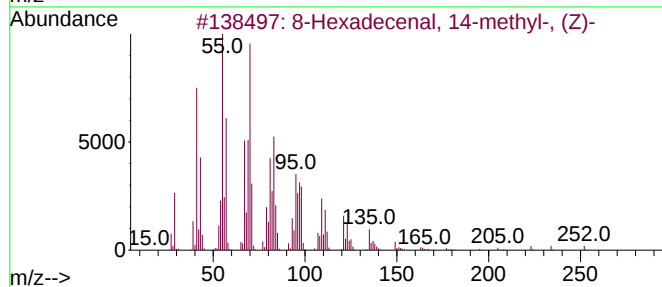
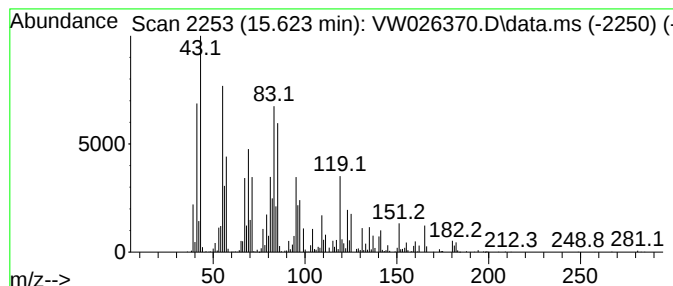
Instrument :
MSVOA_W
ClientSampleId :
A4646

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

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

Peak Number 49 unknown-04 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.623	13.70 ug/L	621238	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Hexadecenal, 14-methyl-, (Z)-	252	C17H32O	060609-53-2	27
2	2-Decenal, (E)-	154	C10H18O	003913-81-3	22
3	1-Tridecene	182	C13H26	002437-56-1	18
4	17-Octadecynoic acid	280	C18H32O2	034450-18-5	14
5	1-Tridecene	182	C13H26	002437-56-1	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

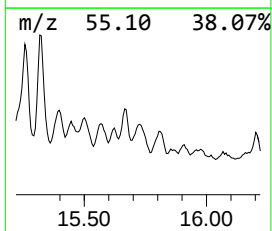
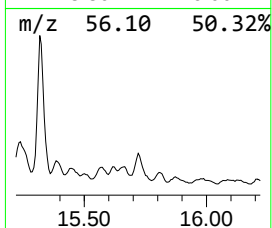
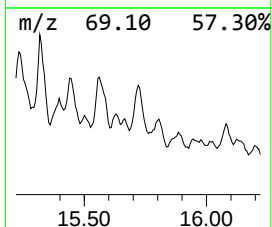
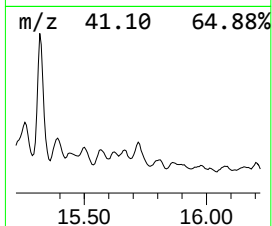
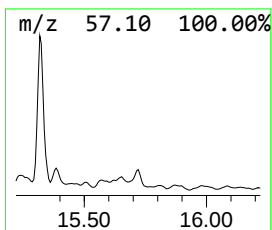
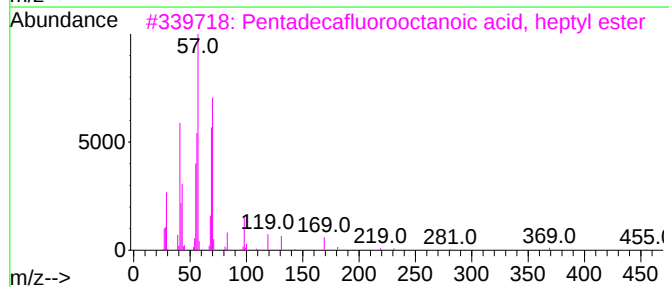
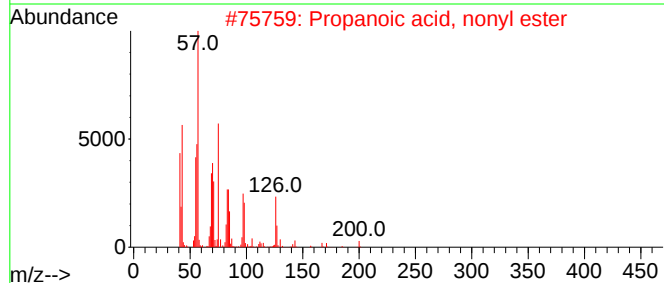
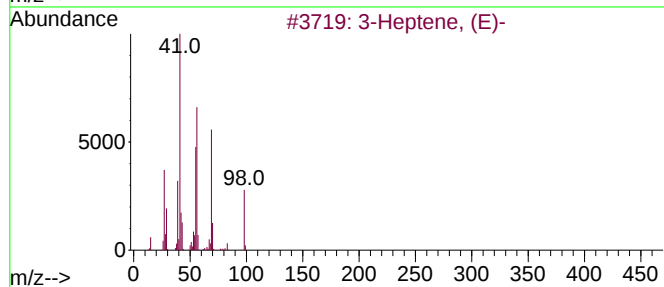
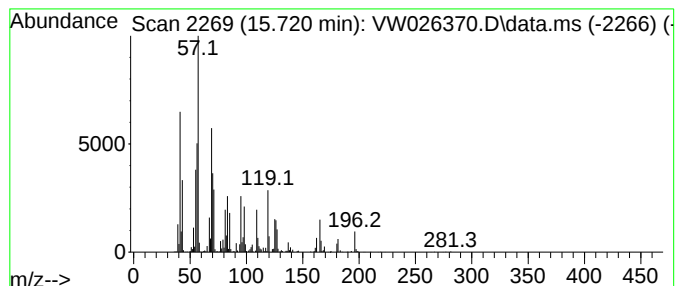
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	46.64 ug/L	2114800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Heptene, (E)-	98	C7H14	014686-14-7	22
2			Propanoic acid, nonyl ester	200	C12H24O2	053184-67-1	22
3			Pentadecafluorooctanoic acid, he...	512	C15H15F15O2	1000406-03-7	22
4			(Z)-2-Heptene	98	C7H14	006443-92-1	22
5			1H-Tetrazole, 1,5-dimethyl-	98	C3H6N4	005144-11-6	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
Data File : VW026370.D
Acq On : 27 Jun 2023 22:26
Operator : SY/MD
Sample : 03420-07
Misc : 4.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4646

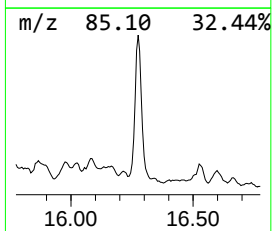
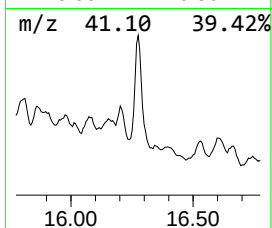
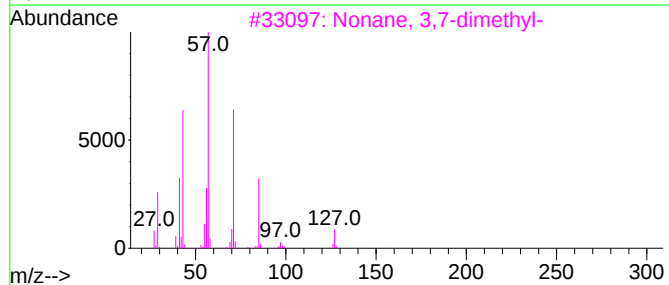
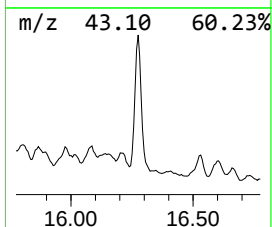
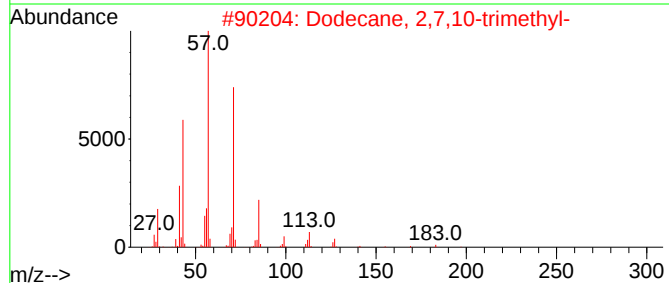
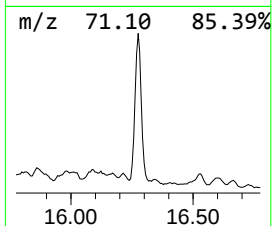
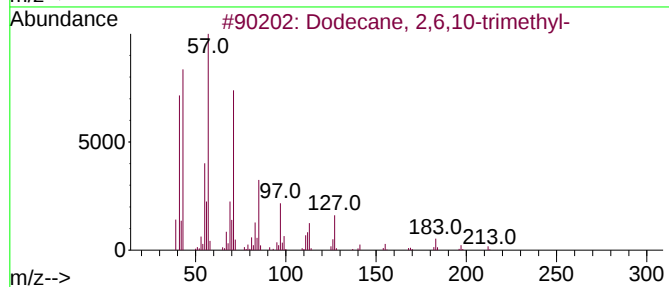
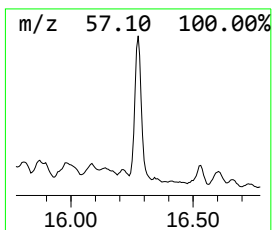
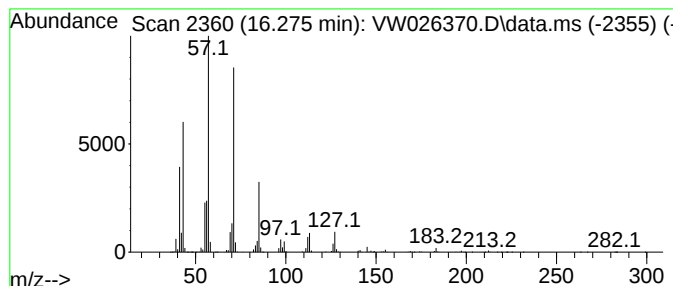
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	71.18 ug/L	3227340	1,4-Dichlorobenzene-d4	13.556

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062723\
 Data File : VW026370.D
 Acq On : 27 Jun 2023 22:26
 Operator : SY/MD
 Sample : 03420-07
 Misc : 4.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4646

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

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

					--Internal Standard--				
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: S...	11.032	1.6	ug/L	130303	2	11.629	2104010	25.0	
(DEL) Alkane: C...	11.227	1.9	ug/L	156414	2	11.629	2104010	25.0	
(DEL) Alkane: S...	11.337	1.8	ug/L	148184	2	11.629	2104010	25.0	
(DEL) Alkane: C...	11.434	1.3	ug/L	105898	2	11.629	2104010	25.0	
(DEL) Alkane: S...	11.507	2.3	ug/L	193600	2	11.629	2104010	25.0	
(DEL) Alkane: C...	11.812	1.3	ug/L	106573	2	11.629	2104010	25.0	
(DEL) Alkane: C...	11.873	3.8	ug/L	316044	2	11.629	2104010	25.0	
(DEL) Alkane: C...	11.916	1.8	ug/L	148844	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.062	3.1	ug/L	260290	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.135	11.3	ug/L	946723	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.251	14.1	ug/L	1185010	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.361	30.6	ug/L	2578490	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.495	19.6	ug/L	1651180	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.586	2.6	ug/L	215078	2	11.629	2104010	25.0	
(DEL) Alkane: S...	12.617	7.4	ug/L	337303	3	13.556	1133460	25.0	
(DEL) Alkane: S...	12.745	2.5	ug/L	113226	3	13.556	1133460	25.0	
(DEL) Alkane: C...	12.775	20.6	ug/L	934863	3	13.556	1133460	25.0	
(DEL) Alkane: S...	12.855	20.7	ug/L	936613	3	13.556	1133460	25.0	
(DEL) Alkane: C...	12.940	56.1	ug/L	2543940	3	13.556	1133460	25.0	
Oxalic acid, cy...	12.989	16.9	ug/L	764646	3	13.556	1133460	25.0	
Dotriacontyl he...	13.074	34.7	ug/L	1571690	3	13.556	1133460	25.0	
unknown-01	13.123	24.4	ug/L	1107370	3	13.556	1133460	25.0	
Carbonic acid, ...	13.184	16.1	ug/L	732208	3	13.556	1133460	25.0	
(DEL) Alkane: S...	13.288	44.6	ug/L	2023180	3	13.556	1133460	25.0	
(DEL) Alkane: S...	13.342	30.4	ug/L	1379360	3	13.556	1133460	25.0	
(DEL) Alkane: C...	13.373	10.4	ug/L	472330	3	13.556	1133460	25.0	
(DEL) Alkane: S...	13.410	30.6	ug/L	1385980	3	13.556	1133460	25.0	
(DEL) Alkane: C...	13.446	61.3	ug/L	2779300	3	13.556	1133460	25.0	
(DEL) Alkane: S...	13.483	31.0	ug/L	1404810	3	13.556	1133460	25.0	
(DEL) Alkane: C...	13.696	29.3	ug/L	1326520	3	13.556	1133460	25.0	
Sulfurous acid,...	13.916	40.4	ug/L	1829710	3	13.556	1133460	25.0	
(DEL) Alkane: C...	13.977	36.5	ug/L	1653520	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.013	10.3	ug/L	467110	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.190	28.6	ug/L	1295590	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.257	58.2	ug/L	2637730	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.312	21.3	ug/L	963378	3	13.556	1133460	25.0	
(DEL) Alkane: C...	14.385	147.7	ug/L	6696350	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.495	29.1	ug/L	1317300	3	13.556	1133460	25.0	
Naphthalene, de...	14.544	50.7	ug/L	2298090	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.653	17.2	ug/L	780658	3	13.556	1133460	25.0	
(DEL) Alkane: S...	14.732	27.3	ug/L	1236320	3	13.556	1133460	25.0	
(DEL) Alkane: C...	14.793	71.1	ug/L	3225290	3	13.556	1133460	25.0	
unknown-02	14.848	76.9	ug/L	3485990	3	13.556	1133460	25.0	
unknown-03	15.117	11.1	ug/L	504584	3	13.556	1133460	25.0	
(DEL) Alkane: S...	15.318	192.2	ug/L	8711580	3	13.556	1133460	25.0	
cis, cis-2-Ethy...	15.391	49.8	ug/L	2255490	3	13.556	1133460	25.0	
Pentadecafluoro...	15.568	24.1	ug/L	1091250	3	13.556	1133460	25.0	
unknown-04	15.623	13.7	ug/L	621238	3	13.556	1133460	25.0	
(DEL) Alkane: S...	15.720	46.6	ug/L	2114800	3	13.556	1133460	25.0	
(DEL) Alkane: S...	16.275	71.2	ug/L	3227340	3	13.556	1133460	25.0	