

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
 Data File : VW023078.D
 Acq On : 17 May 2022 02:20
 Operator : SY/VA
 Sample : N2843-05
 Misc : 5.53g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW4H5

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\SFAMWLM050222SMA.M
 Title : SFAM01.0

Signal : TIC: VW023078.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	5	9	20	rVB2	30478	54933	1.91%	0.163%
2	2.172	39	44	46	rBV2	11956	15874	0.55%	0.047%
3	2.239	46	55	62	rBV2	31537	129442	4.50%	0.385%
4	2.312	62	67	69	rVV	73170	121618	4.23%	0.362%
5	2.343	69	72	80	rVB	121251	210493	7.31%	0.626%
6	2.434	85	87	95	rVB5	13112	31622	1.10%	0.094%
7	2.879	154	160	169	rVB	67860	151622	5.27%	0.451%
8	3.014	176	182	190	rBV2	25755	58102	2.02%	0.173%
9	3.288	222	227	233	rVB2	18462	38968	1.35%	0.116%
10	3.385	234	243	253	rVB3	34002	112025	3.89%	0.333%
11	3.843	310	318	330	rVB5	6704	20825	0.72%	0.062%
12	4.013	332	346	362	rBV2	79600	252166	8.76%	0.750%
13	4.172	362	372	373	rBV2	13305	30264	1.05%	0.090%
14	4.379	395	406	418	rVV	33400	101773	3.54%	0.303%
15	4.922	483	495	508	rBV5	11480	48154	1.67%	0.143%
16	5.757	620	632	642	rBV9	9236	39694	1.38%	0.118%
17	5.934	653	661	671	rVB5	12040	34794	1.21%	0.103%
18	7.104	841	853	862	rBV2	29177	97815	3.40%	0.291%
19	7.647	932	942	956	rVB	155962	396796	13.79%	1.180%
20	8.275	1032	1045	1060	rBV2	270871	861495	29.93%	2.561%
21	8.574	1089	1094	1105	rVV6	14058	41604	1.45%	0.124%
22	8.695	1107	1114	1126	rVV6	8296	24961	0.87%	0.074%
23	8.842	1129	1138	1152	rBV	297654	594916	20.67%	1.769%
24	9.067	1168	1175	1187	rBV2	25167	65177	2.26%	0.194%
25	9.275	1201	1209	1224	rBV	200618	432645	15.03%	1.286%
26	10.037	1328	1334	1339	rBV	49047	86092	2.99%	0.256%
27	10.098	1339	1344	1352	rVB2	26641	49218	1.71%	0.146%
28	10.323	1373	1381	1387	rBV	311904	558185	19.39%	1.659%
29	10.390	1387	1392	1403	rVB	78394	166615	5.79%	0.495%
30	10.500	1403	1410	1416	rVB4	23375	47959	1.67%	0.143%
31	10.579	1416	1423	1427	rBV	34137	61702	2.14%	0.183%
32	10.927	1473	1480	1489	rBV	141408	252509	8.77%	0.751%
33	11.177	1514	1521	1525	rVV3	17931	35295	1.23%	0.105%
34	11.225	1525	1529	1534	rVV2	17765	33638	1.17%	0.100%
35	11.286	1535	1539	1542	rVV5	8888	15056	0.52%	0.045%
36	11.335	1542	1547	1551	rVV3	11349	19663	0.68%	0.058%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Title : SFAM01.0

37	11.408	1551	1559	1570	rVB5	19610	62112	2.16%	0.185%
38	11.512	1570	1576	1582	rBV2	19702	35187	1.22%	0.105%
39	11.628	1588	1595	1604	rBV	290234	508043	17.65%	1.510%
40	11.725	1604	1611	1615	rBV	25869	44242	1.54%	0.132%
41	11.835	1620	1629	1634	rBV2	116032	229546	7.97%	0.682%
42	11.920	1639	1643	1647	rVB2	15948	27330	0.95%	0.081%
43	11.975	1647	1652	1658	rBV8	8868	17138	0.60%	0.051%
44	12.055	1658	1665	1670	rVB6	9888	19930	0.69%	0.059%
45	12.134	1670	1678	1680	rBV4	41115	78711	2.73%	0.234%
46	12.250	1690	1697	1701	rVB	73839	119394	4.15%	0.355%
47	12.359	1706	1715	1723	rVV5	80535	256886	8.92%	0.764%
48	12.469	1726	1733	1737	rVV2	143887	287815	10.00%	0.856%
49	12.536	1741	1744	1747	rVV3	68444	116109	4.03%	0.345%
50	12.567	1747	1749	1753	rVB	57081	61600	2.14%	0.183%
51	12.615	1753	1757	1759	rBV5	15229	21012	0.73%	0.062%
52	12.646	1759	1762	1765	rVV	40736	48949	1.70%	0.146%
53	12.689	1765	1769	1775	rVV	142802	241256	8.38%	0.717%
54	12.780	1779	1784	1791	rVB6	69515	133523	4.64%	0.397%
55	12.859	1791	1797	1801	rBV3	58289	109201	3.79%	0.325%
56	12.926	1801	1808	1815	rVV2	522641	963181	33.46%	2.863%
57	12.987	1815	1818	1822	rVB3	58635	86341	3.00%	0.257%
58	13.079	1828	1833	1835	rBV2	54815	83144	2.89%	0.247%
59	13.121	1836	1840	1842	rVV3	43528	72469	2.52%	0.215%
60	13.158	1842	1846	1853	rVB	252402	388155	13.49%	1.154%
61	13.249	1857	1861	1864	rBV	79690	115350	4.01%	0.343%
62	13.341	1872	1876	1879	rBV2	70292	101099	3.51%	0.301%
63	13.445	1886	1893	1896	rBV3	195235	389763	13.54%	1.159%
64	13.481	1896	1899	1902	rVV2	160937	238023	8.27%	0.708%
65	13.518	1902	1905	1907	rVV2	80587	111050	3.86%	0.330%
66	13.554	1907	1911	1915	rVV2	263919	450060	15.64%	1.338%
67	13.621	1919	1922	1928	rVB2	134035	188930	6.56%	0.562%
68	13.695	1928	1934	1939	rBV6	71617	173354	6.02%	0.515%
69	13.743	1939	1942	1946	rVB	57117	71605	2.49%	0.213%
70	13.792	1946	1950	1953	rBV3	60591	103238	3.59%	0.307%
71	13.871	1955	1963	1968	rVV2	1357546	2186705	75.97%	6.501%
72	13.914	1968	1970	1974	rVV3	108767	179615	6.24%	0.534%
73	13.975	1977	1980	1982	rVV4	93825	146785	5.10%	0.436%
74	14.030	1983	1989	1995	rVV5	181194	545982	18.97%	1.623%
75	14.091	1996	1999	2002	rVV2	138669	224078	7.78%	0.666%
76	14.127	2002	2005	2011	rVB	179168	269968	9.38%	0.803%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Title : SFAM01.0

77	14.194	2011	2016	2022	rBV3	190975	386465	13.43%	1.149%
78	14.262	2022	2027	2033	rBV5	90362	210582	7.32%	0.626%
79	14.347	2033	2041	2043	rBV3	213268	470646	16.35%	1.399%
80	14.383	2043	2047	2051	rVV3	472410	829987	28.83%	2.467%
81	14.426	2051	2054	2057	rVV2	278815	426700	14.82%	1.268%
82	14.493	2061	2065	2069	rVV3	246852	332032	11.54%	0.987%
83	14.542	2069	2073	2079	rVB5	203050	361006	12.54%	1.073%
84	14.719	2096	2102	2107	rBV	1725690	2492177	86.58%	7.409%
85	14.786	2109	2113	2117	rVV2	464105	819830	28.48%	2.437%
86	14.835	2117	2121	2128	rVB2	653570	1200594	41.71%	3.569%
87	15.054	2154	2157	2162	rVB4	113803	161782	5.62%	0.481%
88	15.243	2184	2188	2195	rVB6	485021	1021330	35.48%	3.036%
89	15.316	2195	2200	2208	rBV	899188	1545350	53.69%	4.594%
90	15.499	2227	2230	2233	rBV3	145328	199727	6.94%	0.594%
91	15.548	2233	2238	2247	rVB	1712281	2878413	100.00%	8.557%
92	15.658	2247	2256	2261	rBV9	193236	573966	19.94%	1.706%
93	15.725	2262	2267	2274	rVB4	313357	567703	19.72%	1.688%
94	15.859	2285	2289	2294	rBV4	148711	236609	8.22%	0.703%
95	16.133	2330	2334	2336	rBV	191816	304930	10.59%	0.906%
96	16.206	2344	2346	2352	rVB3	203971	308661	10.72%	0.918%
97	16.273	2352	2357	2365	rVB	669678	1300383	45.18%	3.866%
98	16.365	2367	2372	2378	rBV2	221523	454602	15.79%	1.351%
99	16.432	2379	2383	2386	rBV2	110799	188372	6.54%	0.560%
100	16.487	2387	2392	2398	rVB	912852	1565880	54.40%	4.655%

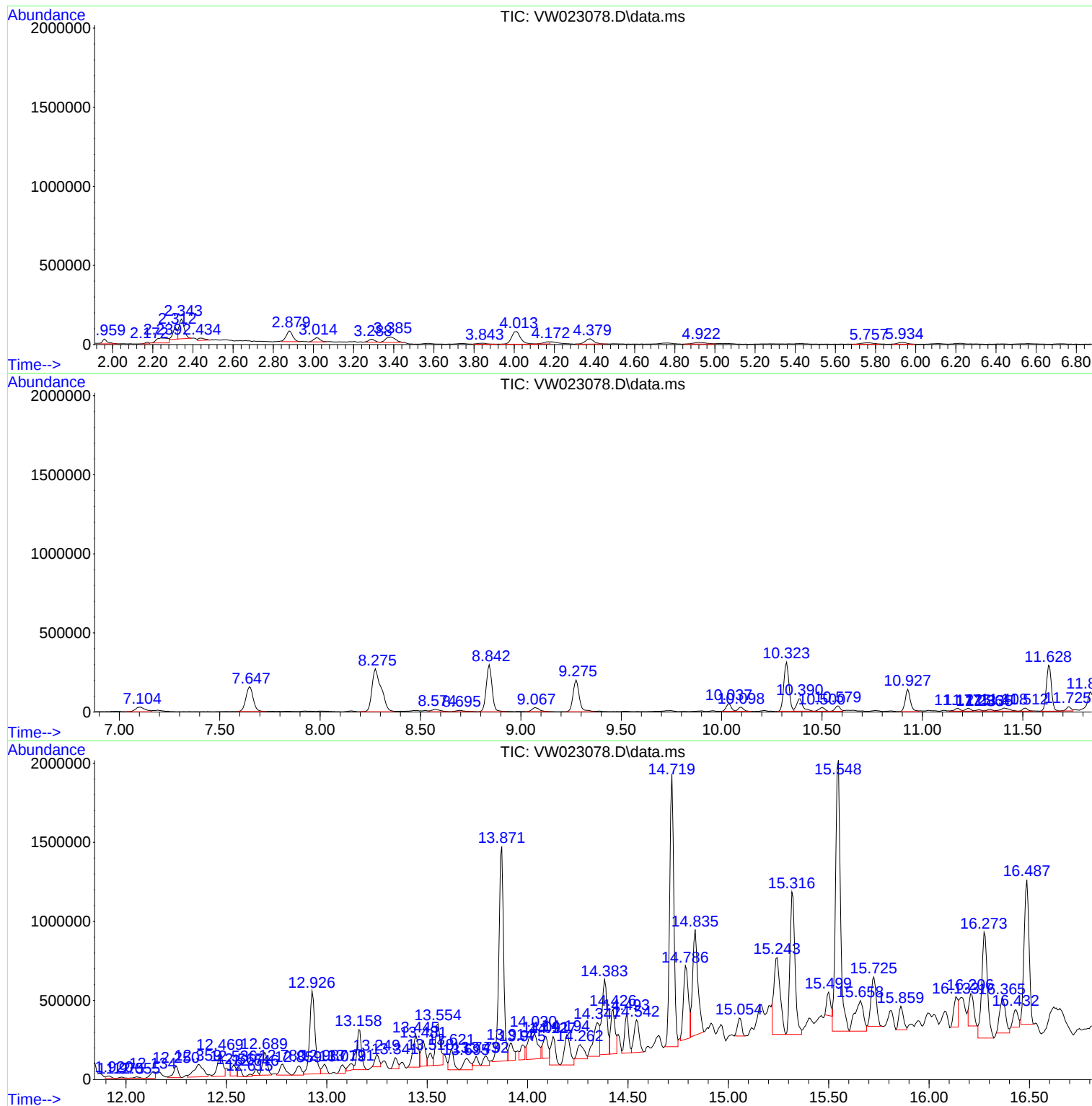
Sum of corrected areas: 33638316

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
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Misc : 5.53g/10mL/MSVOA_W/SOIL
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Instrument :
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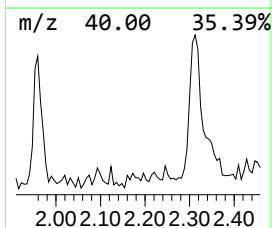
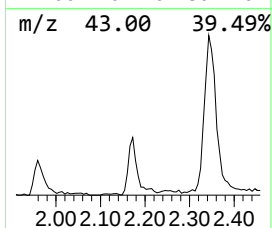
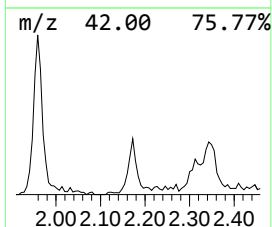
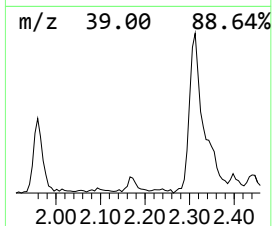
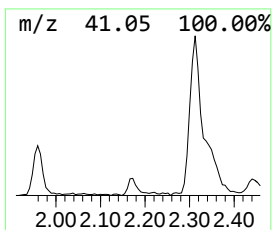
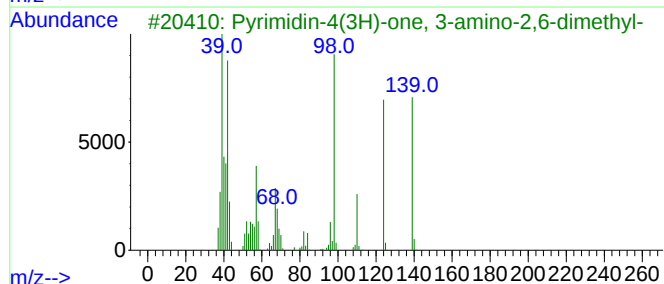
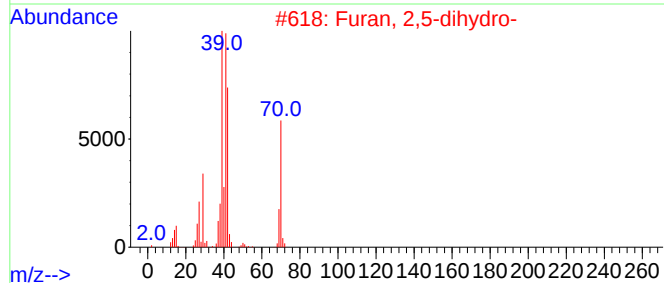
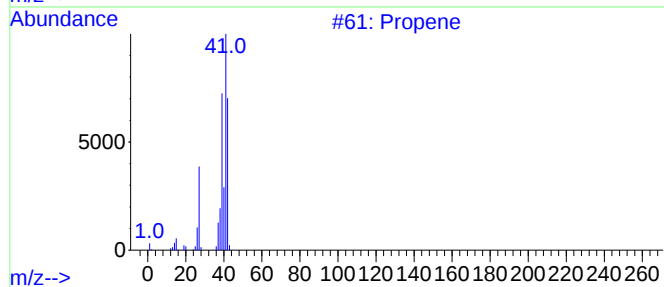
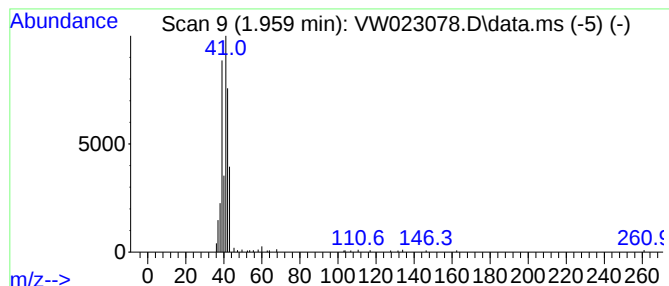
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.959	2.31 ug/L	54933	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	83
3			Pyrimidin-4(3H)-one, 3-amino-2,6...	139	C6H9N3O	093098-74-9	83
4			Aluminum, tripropyl-	156	C9H21Al	000102-67-0	74
5			N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	74



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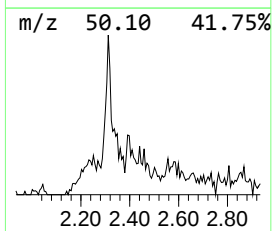
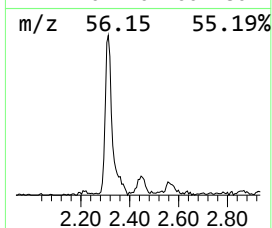
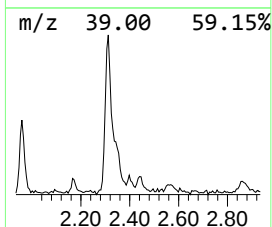
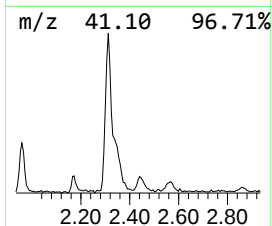
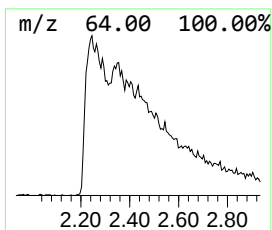
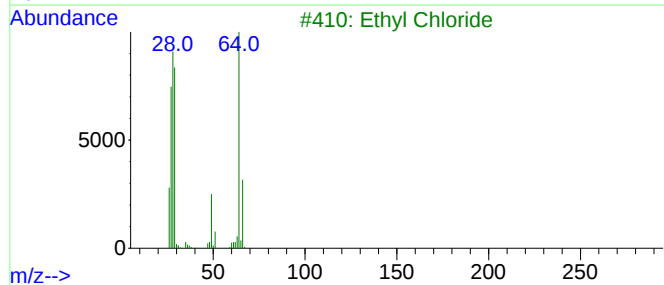
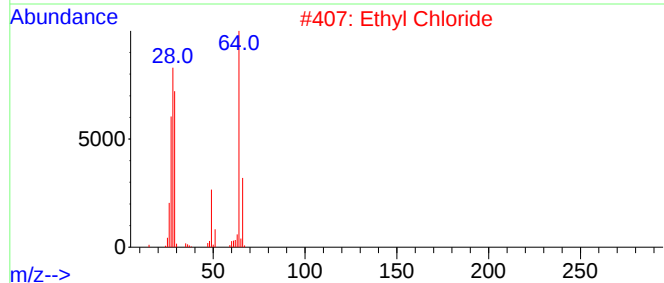
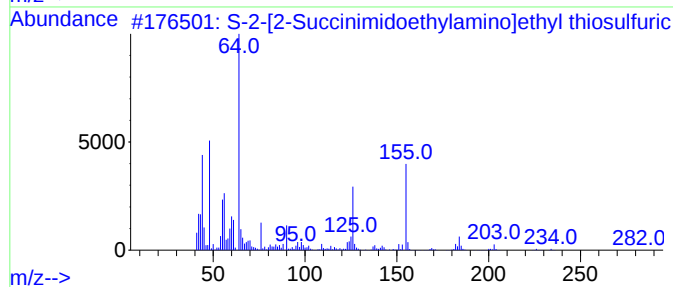
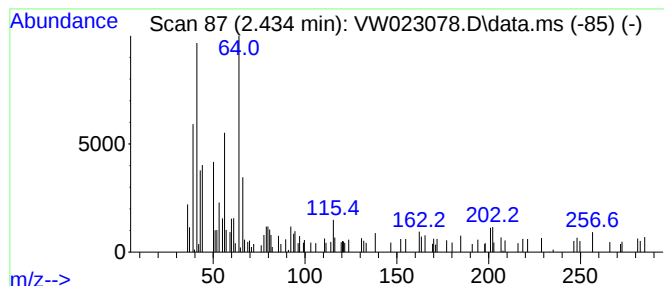
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Quant Title : SFAM01.0

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

Peak Number 3 unknown-01 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.434	1.33 ug/L	31622	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	S-2-[2-Succinimidoethylamino]eth...	282	C8H14N2O5S2	031701-74-3	43		
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	37		
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	37		
4	N,N'-Hexamethylenebis[s-3-aminop...	424	C12H28N2O6S4	035871-55-7	23		
5	1,2,4-Triazolo[4,3-b]pyridazine,...	154	C5H3ClN4	028593-24-0	23		



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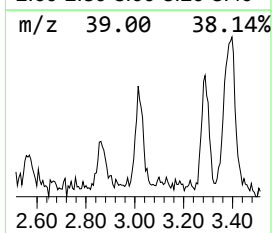
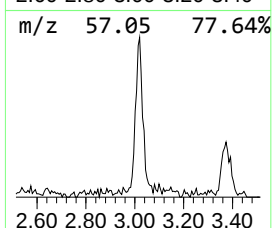
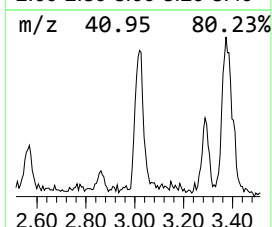
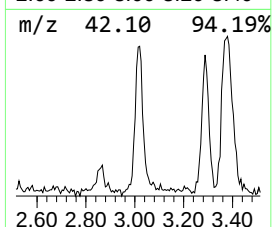
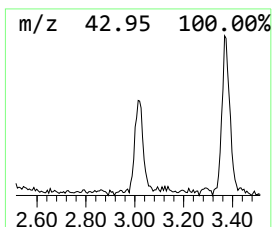
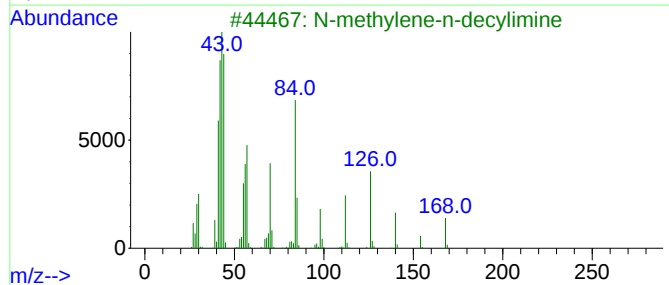
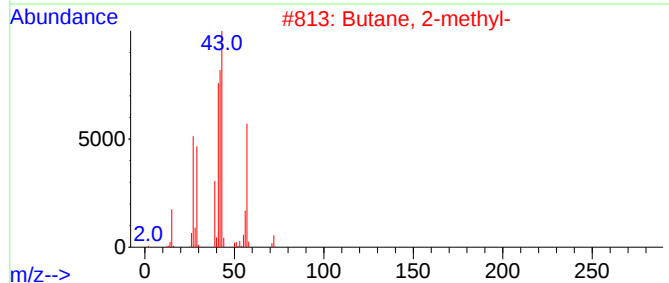
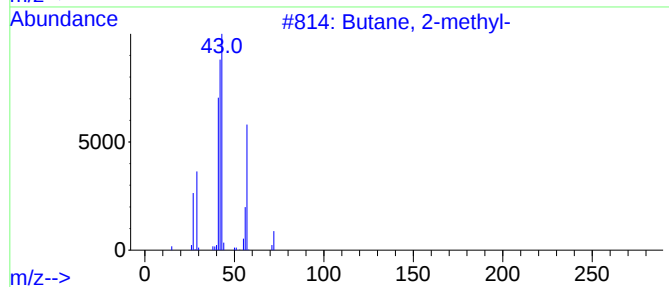
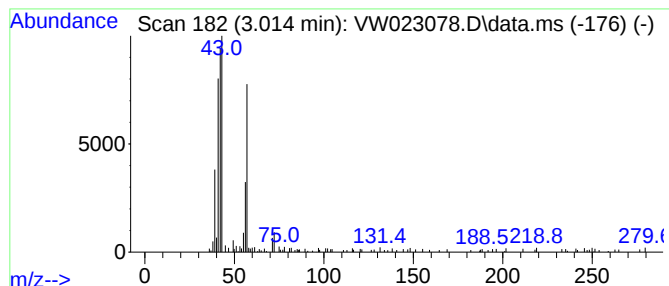
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.014	2.44 ug/L	58102	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	53
2			Butane, 2-methyl-	72	C5H12	000078-78-4	53
3			N-methylene-n-decylimine	169	C11H23N	1000366-05-9	37
4			2H-Pyran-2-one, tetrahydro-6,6-d...	128	C7H12O2	002610-95-9	16
5			1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	12



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

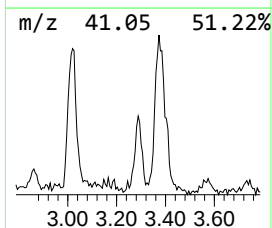
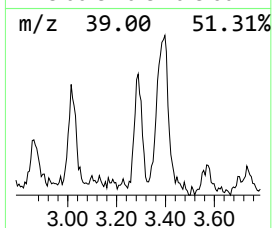
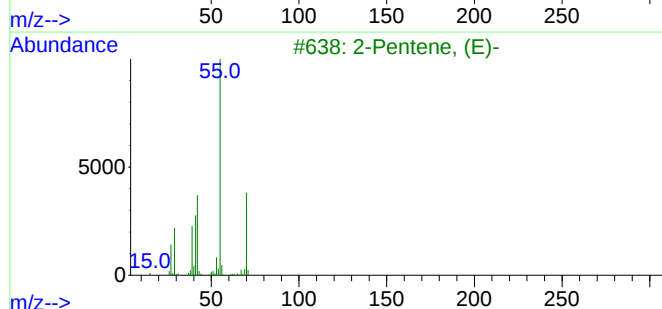
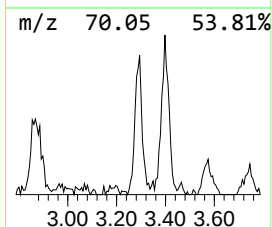
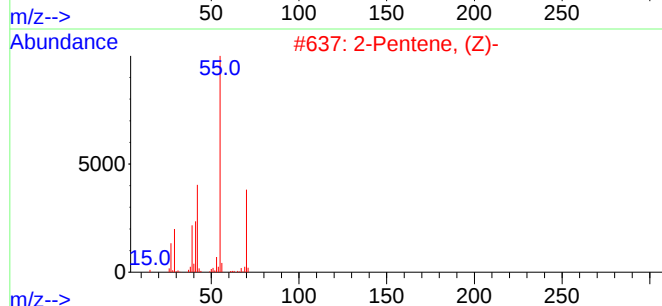
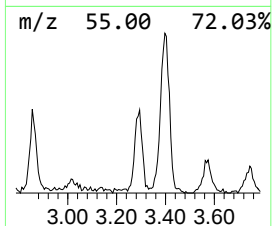
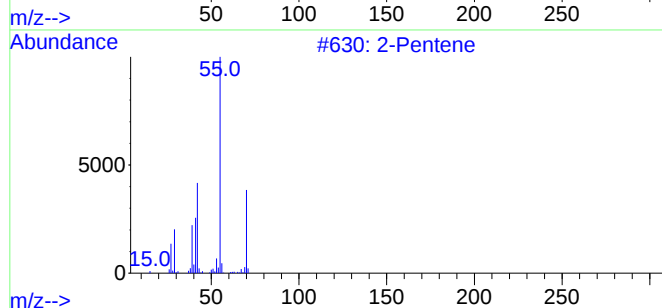
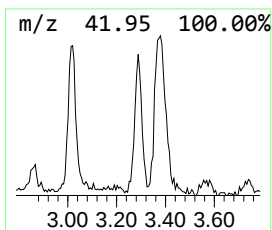
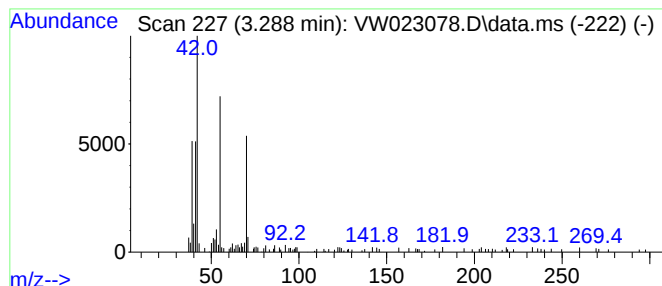
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.288	1.64 ug/L	38968	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentene	70	C5H10	000109-68-2	78
2		2-Pentene, (Z)-	70	C5H10	000627-20-3	78
3		2-Pentene, (E)-	70	C5H10	000646-04-8	64
4		Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
5		1-Pentene	70	C5H10	000109-67-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

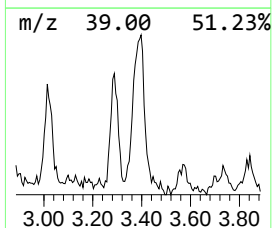
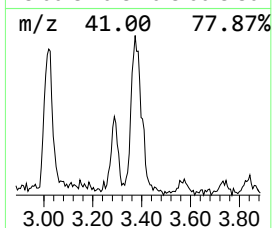
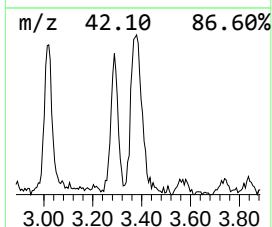
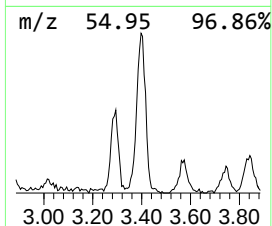
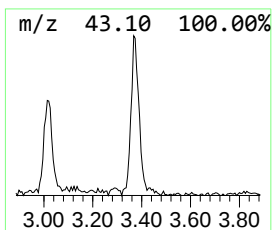
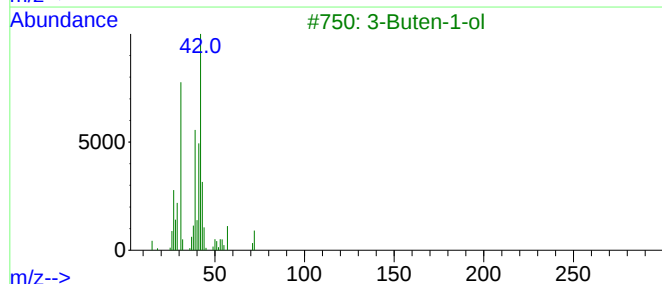
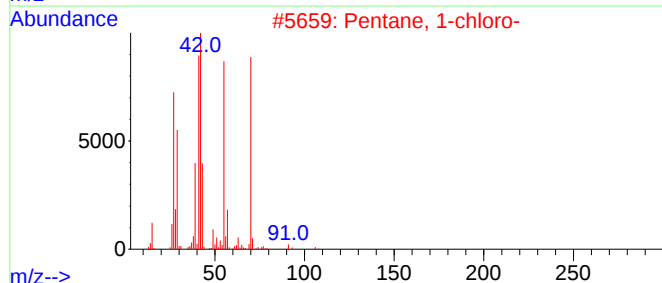
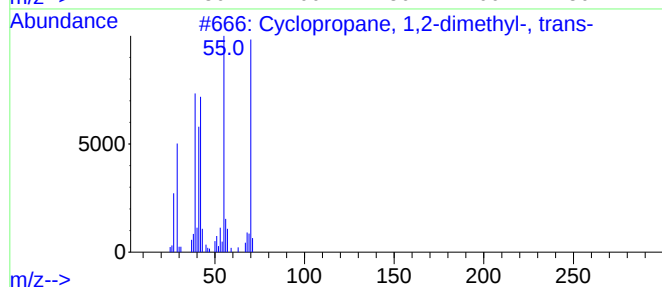
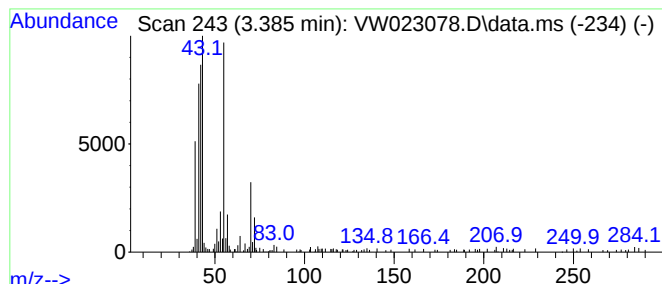
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic3.385 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.385	4.71 ug/L	112025	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72
2			Pentane, 1-chloro-	106	C5H11Cl	000543-59-9	64
3			3-Buten-1-ol	72	C4H8O	000627-27-0	53
4			1-Pentene	70	C5H10	000109-67-1	50
5			Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

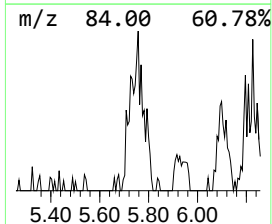
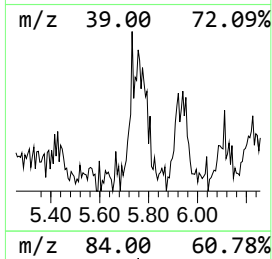
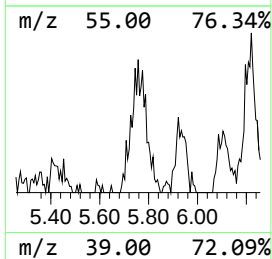
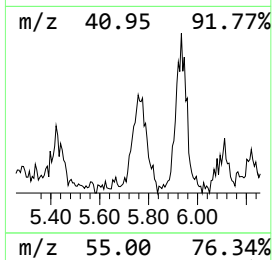
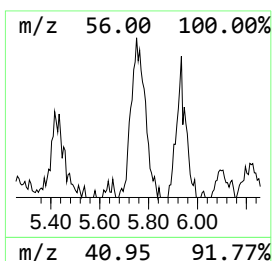
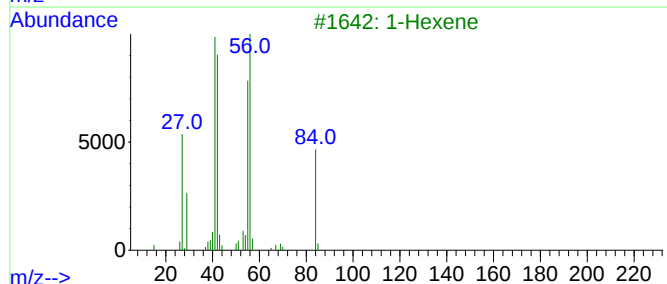
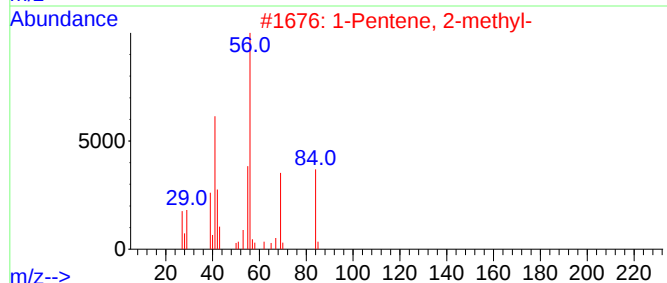
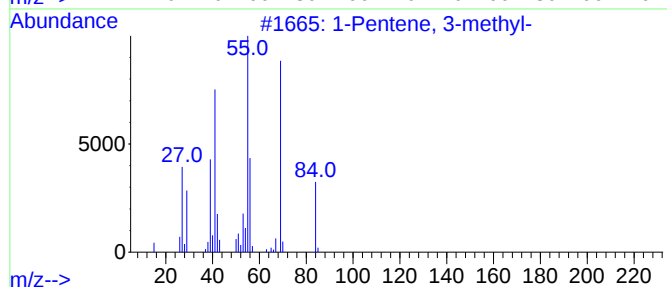
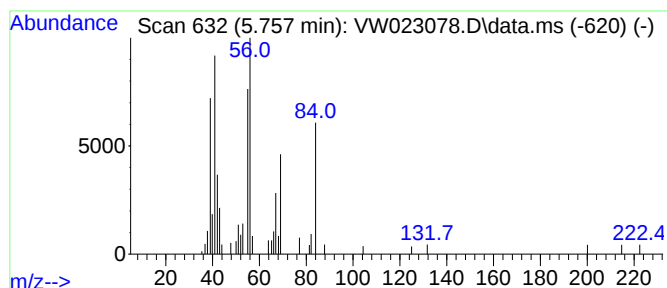
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.757	1.67 ug/L	39694	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64
2			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	49
3			1-Hexene	84	C6H12	000592-41-6	43
4			2-Amino-oxazole	84	C3H4N2O	004570-45-0	38
5			Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

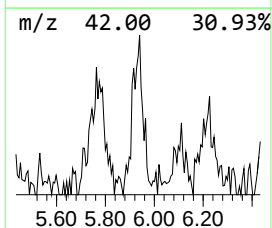
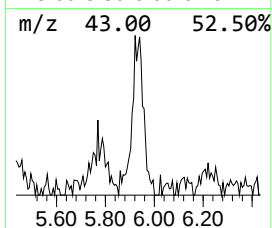
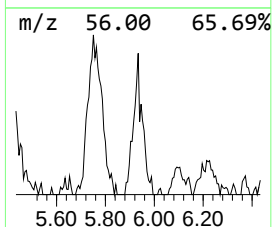
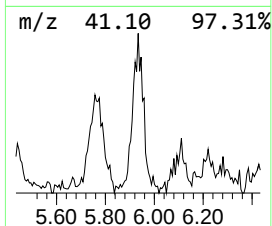
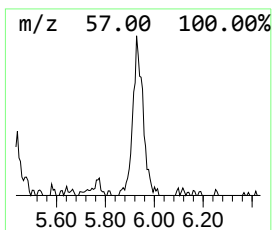
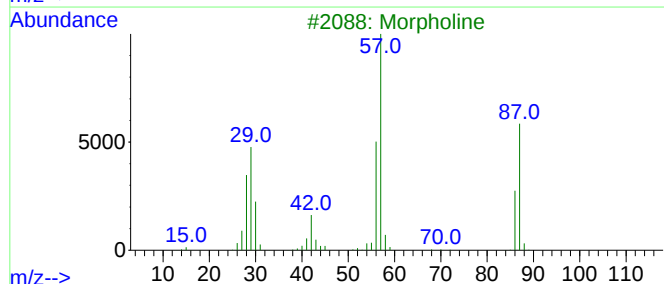
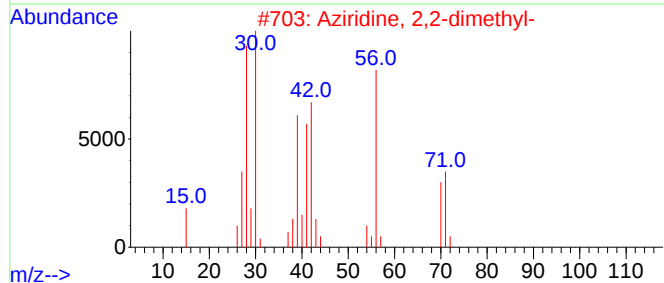
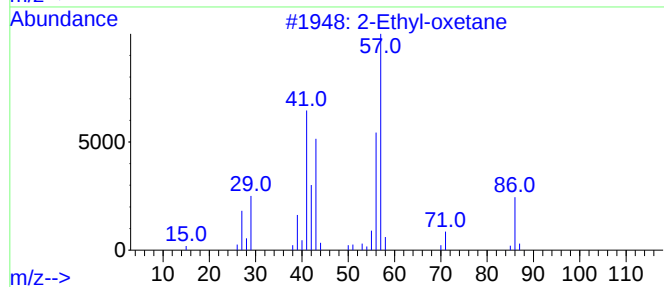
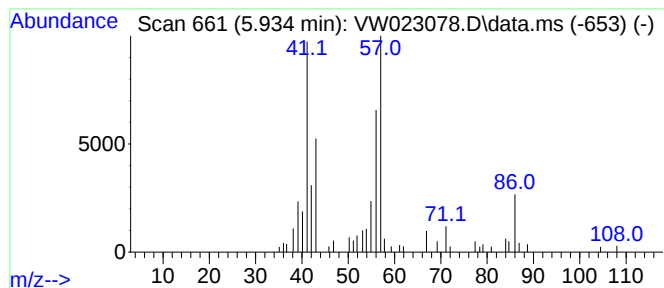
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Quant Title : SFAM01.0

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

Peak Number 9 2-Ethyl-oxetane Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.934	1.46 ug/L	34794	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	80
2			Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	38
3			Morpholine	87	C4H9NO	000110-91-8	36
4			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	32
5			3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

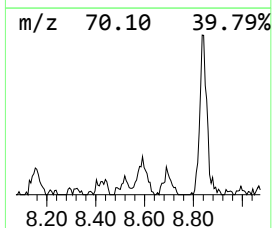
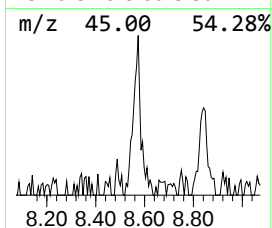
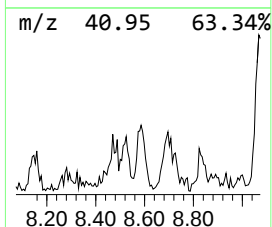
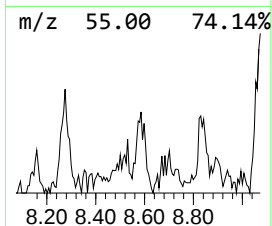
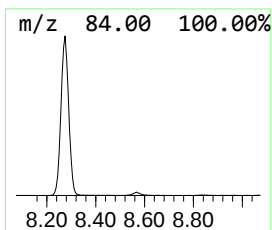
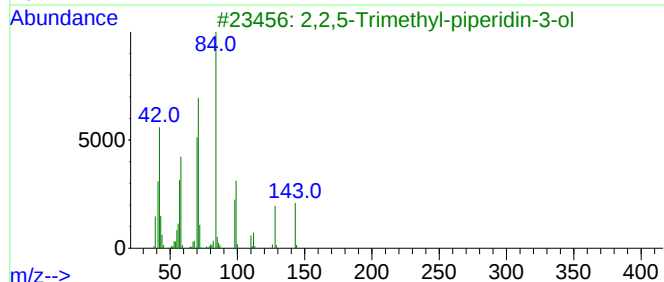
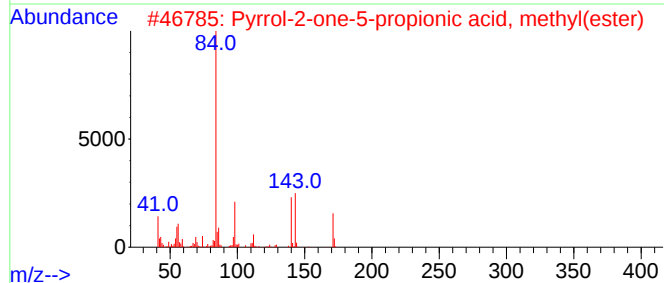
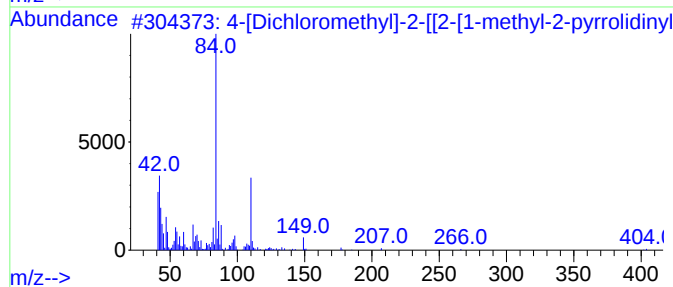
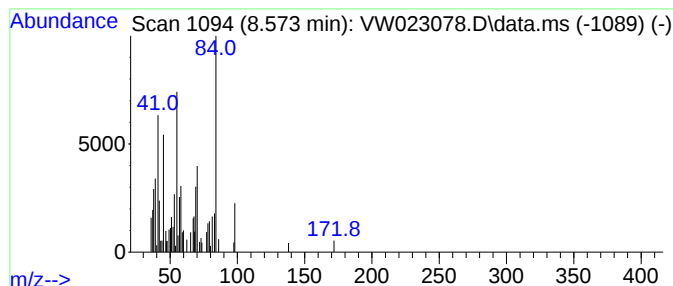
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Quant Title : SFAM01.0

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

Peak Number 10 unknown-02 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	1.75 ug/L	41604	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4	-[Dichloromethyl]-2-[[2-[1-meth...	404	C13H17Cl5N4	1000252-63-1	25	
2	Pyrrol-2-one-5-propionic acid, m...	171	C8H13NO3	081980-11-2	17		
3	2,2,5-Trimethyl-piperidin-3-ol	143	C8H17NO	1000300-70-0	17		
4	1-Propene, 1-chloro-, (Z)-	76	C3H5Cl	016136-84-8	17		
5	2-Furancarboxaldehyde, 5-nitro-	141	C5H3NO4	000698-63-5	12		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

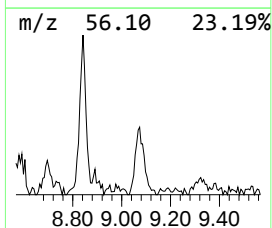
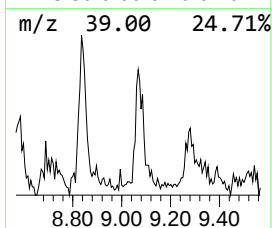
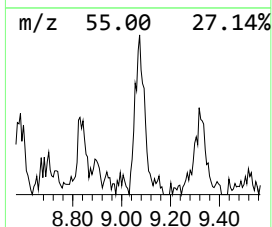
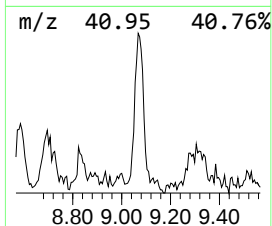
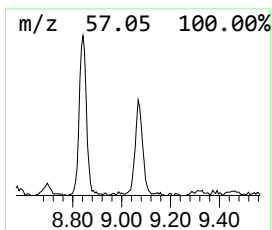
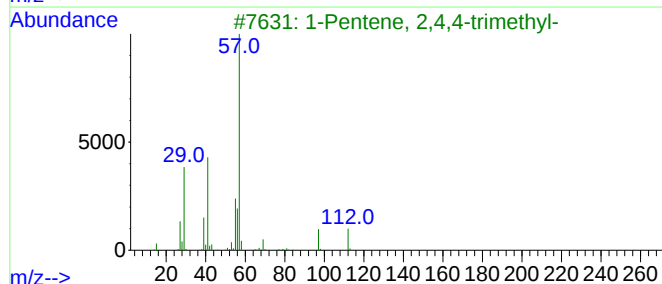
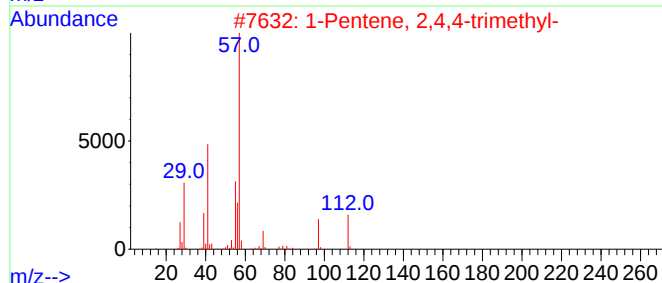
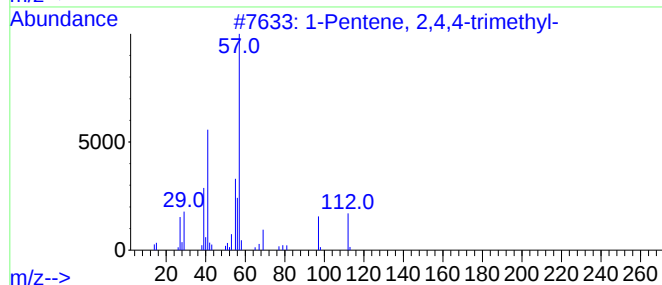
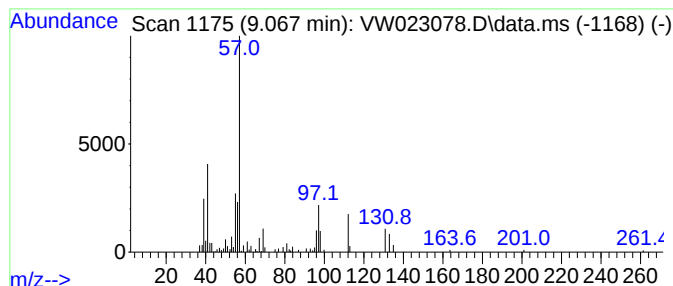
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.067	2.74 ug/L	65177	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-		112	C8H16	000107-39-1	58	
2	1-Pentene, 2,4,4-trimethyl-		112	C8H16	000107-39-1	52	
3	1-Pentene, 2,4,4-trimethyl-		112	C8H16	000107-39-1	50	
4	2-Decene, 5-methyl-, (Z)-		154	C11H22	074645-86-6	43	
5	2-Hexene, 5,5-dimethyl-, (Z)-		112	C8H16	039761-61-0	43	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

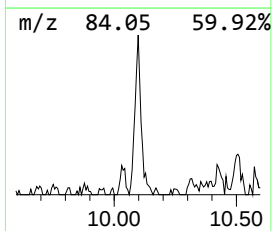
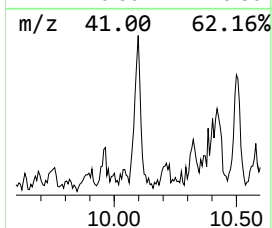
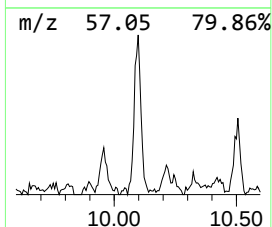
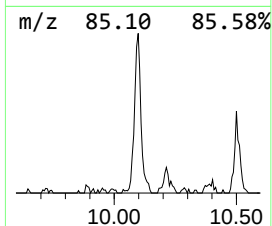
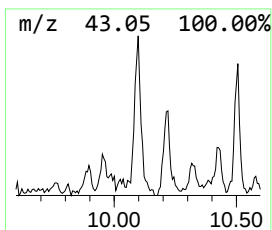
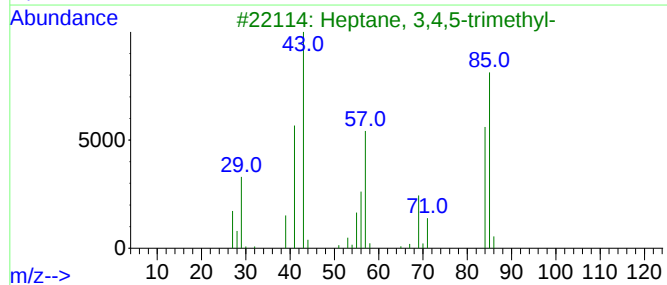
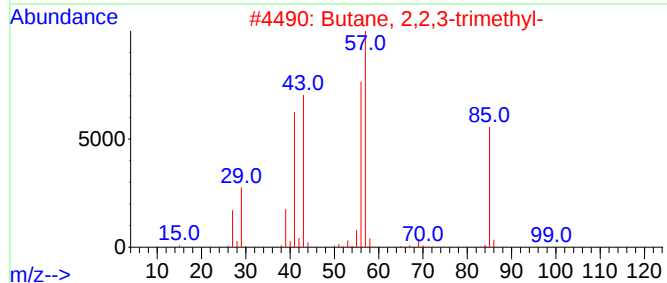
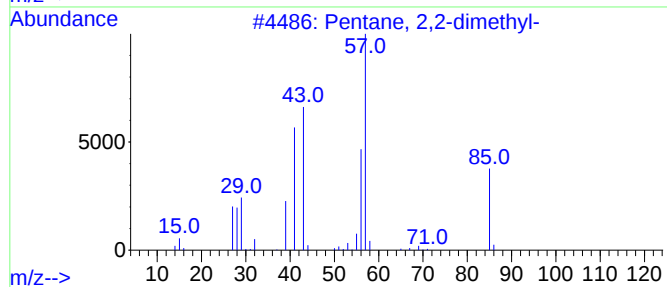
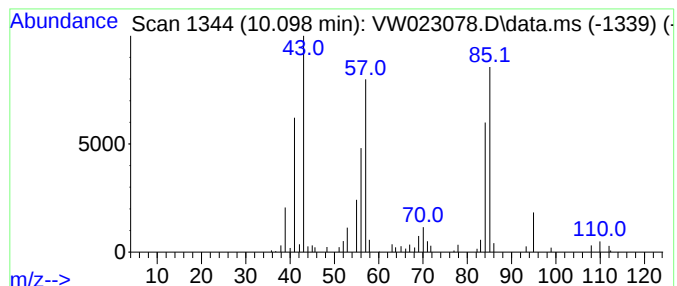
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	2.07 ug/L	49218	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
2		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50
3		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	50
4		2H-Pyran-2-ol, tetrahydro-	102	C5H10O2	000694-54-2	40
5		Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

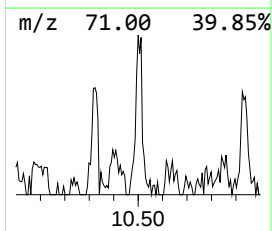
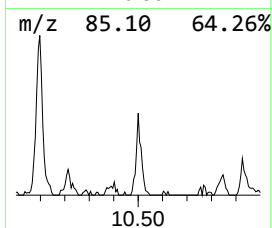
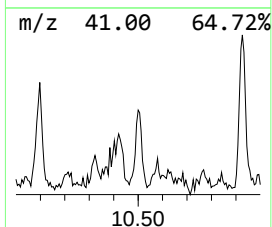
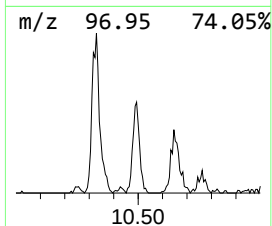
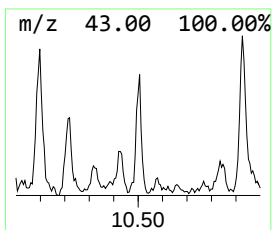
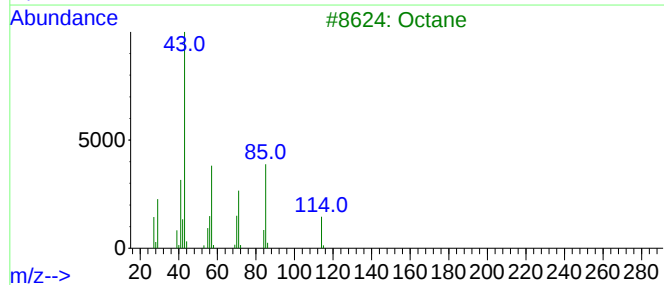
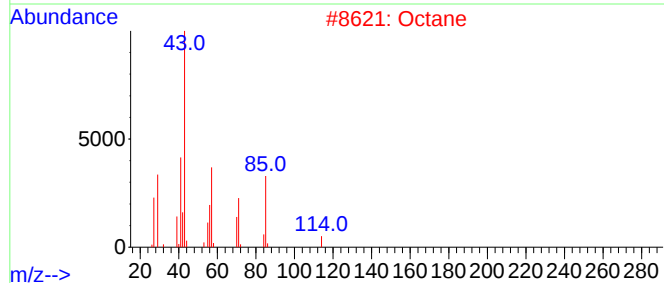
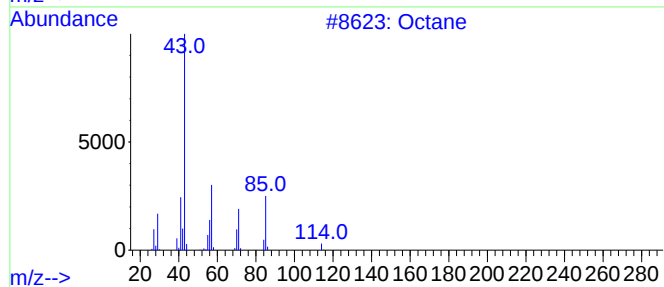
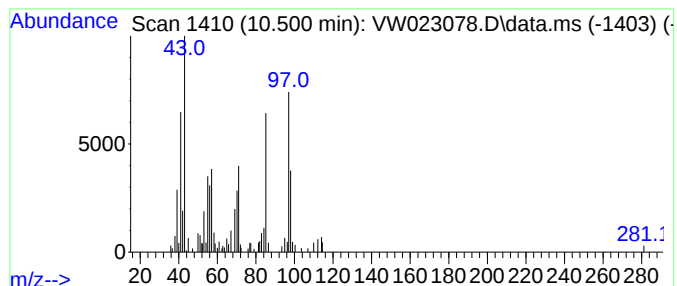
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	2.36 ug/L	47959	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	46
2	Octane			114	C8H18	000111-65-9	43
3	Octane			114	C8H18	000111-65-9	43
4	Oxalic acid, isohexyl pentyl ester			244	C13H24O4	1000309-32-8	38
5	1H-Pyrazole, 4,5-dihydro-3,5,5-t...			112	C6H12N2	003975-85-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

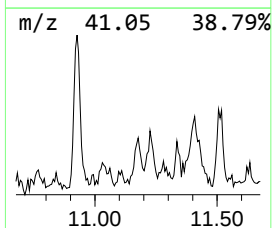
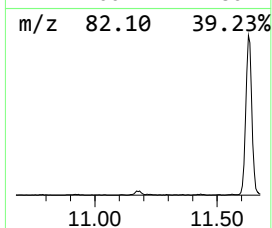
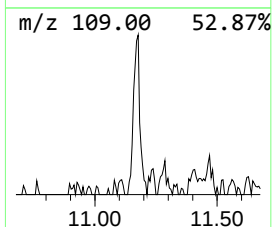
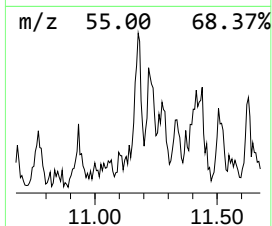
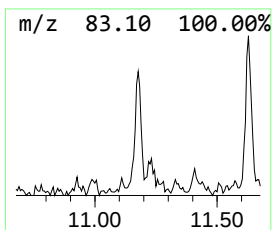
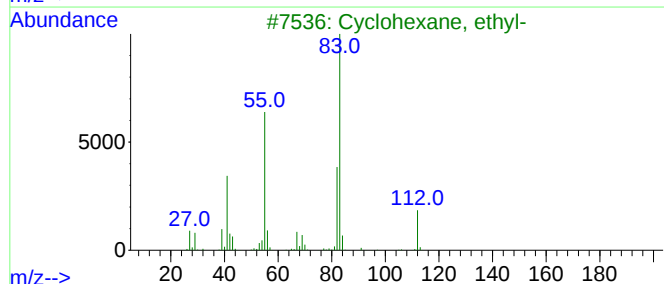
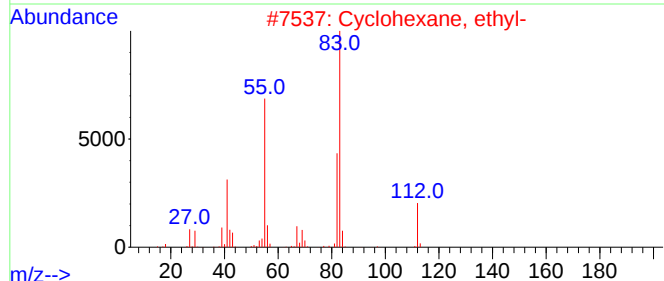
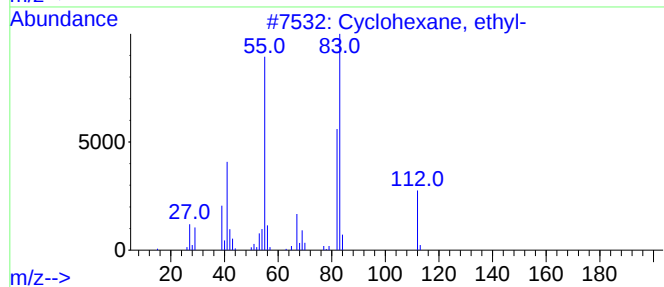
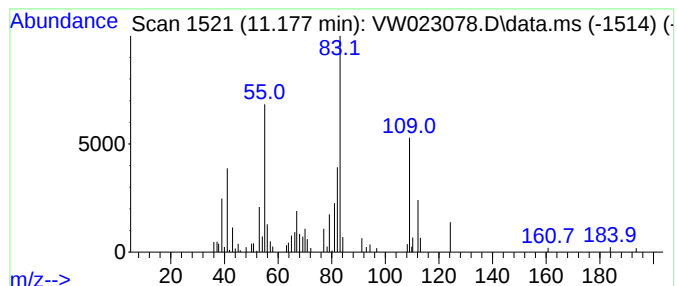
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.177 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	1.74 ug/L	35295	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	60
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	49
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	49
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	49
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

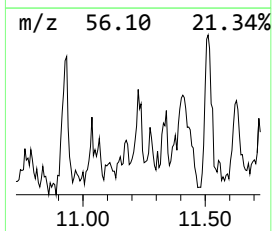
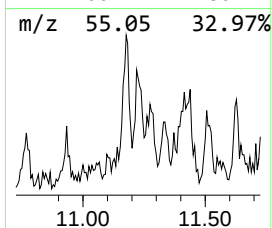
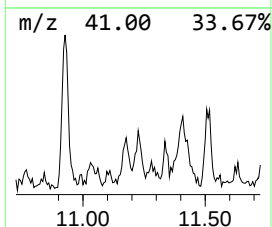
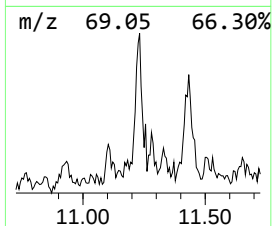
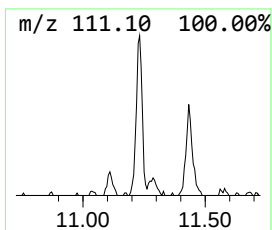
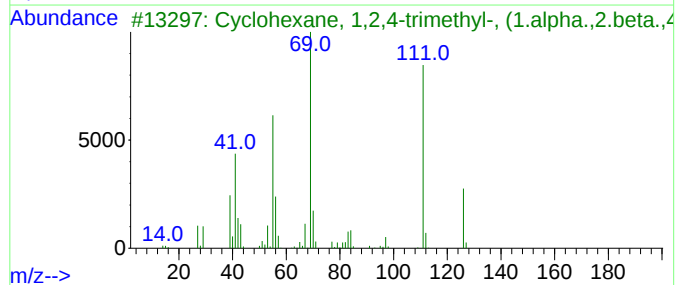
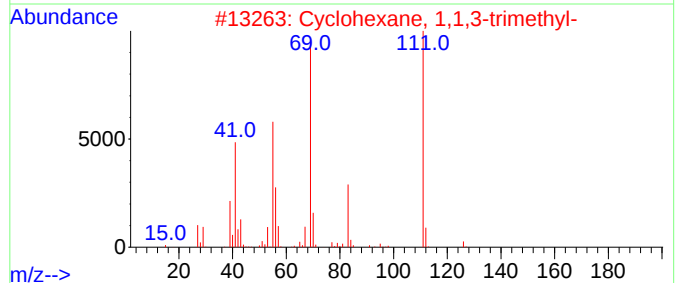
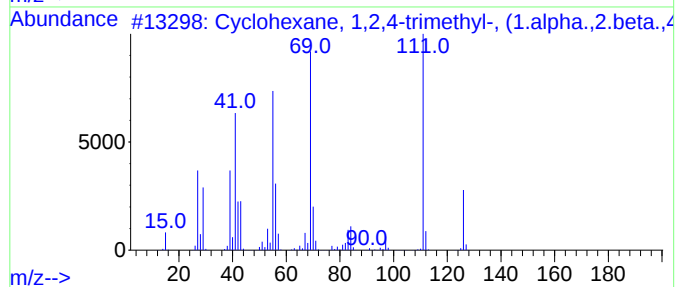
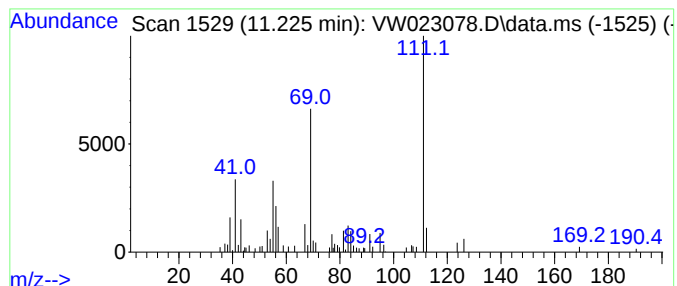
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.226 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.226	1.66 ug/L	33638	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	59
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	59
5			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

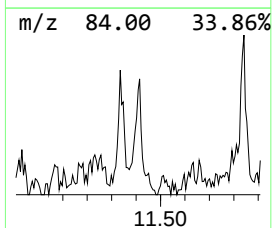
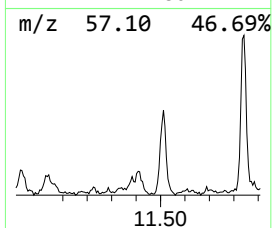
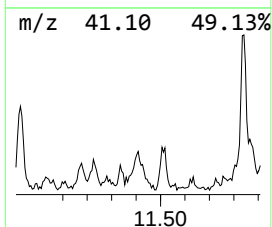
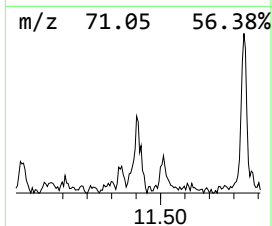
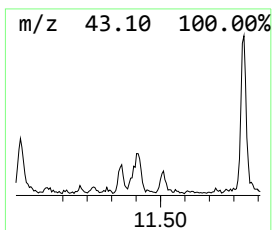
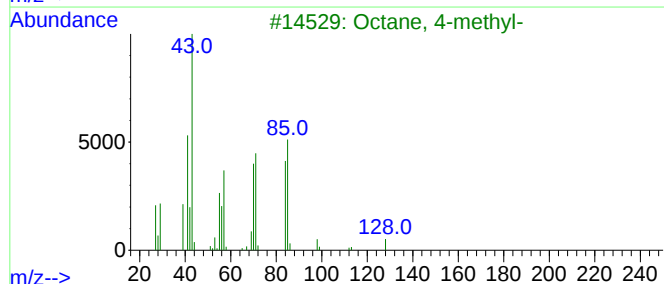
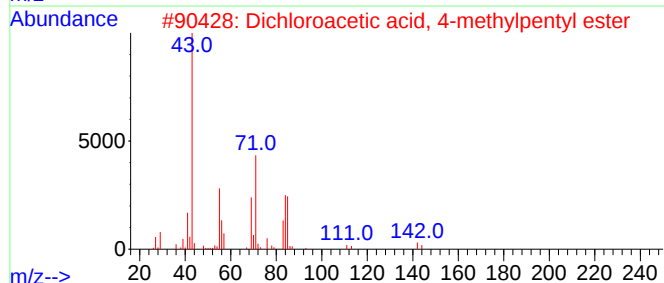
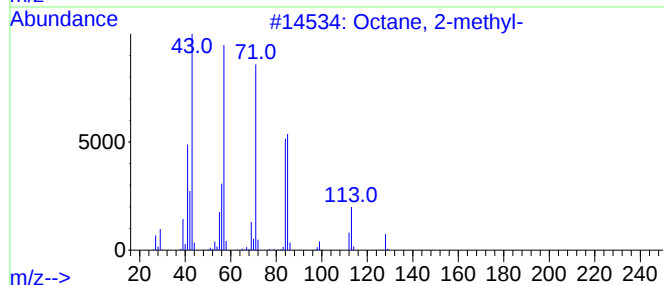
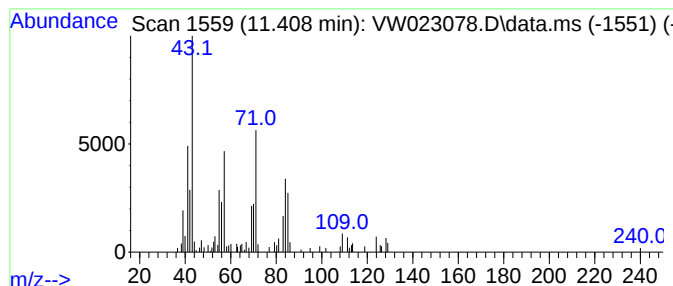
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	3.06 ug/L	62112	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	59
2			Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	47
3			Octane, 4-methyl-	128	C9H20	002216-34-4	43
4			Propanoic acid, 2-methyl-, 2-met...	172	C10H20O2	084254-82-0	43
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

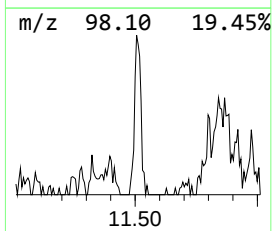
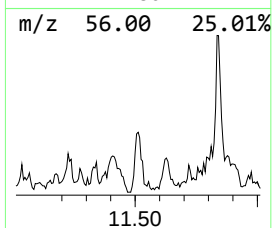
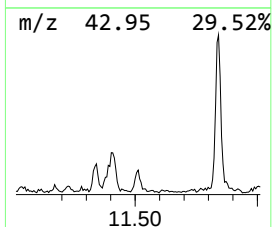
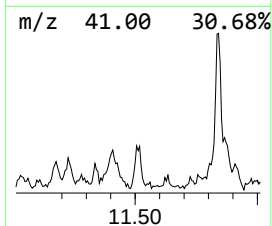
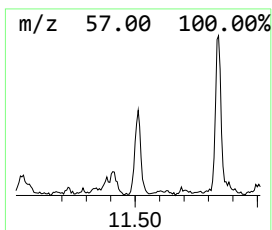
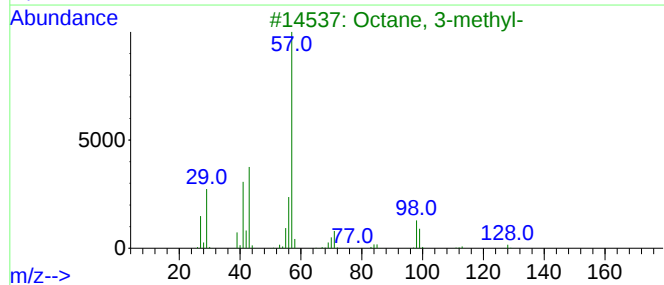
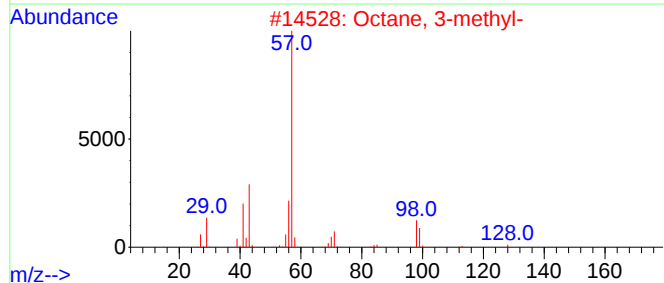
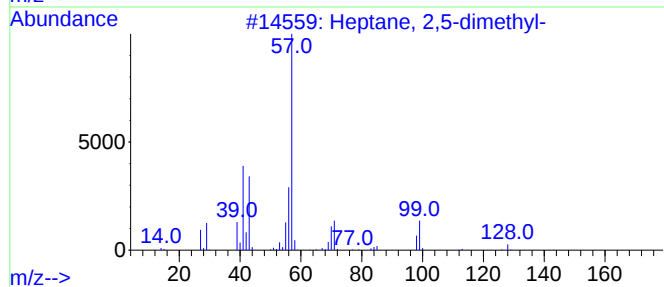
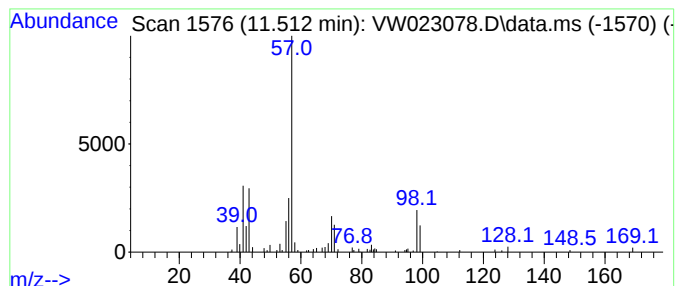
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	1.73 ug/L	35187	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2		Octane, 3-methyl-	128	C9H20	002216-33-3	80
3		Octane, 3-methyl-	128	C9H20	002216-33-3	80
4		Octane, 3-methyl-	128	C9H20	002216-33-3	64
5		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

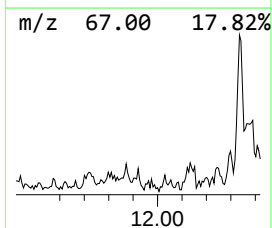
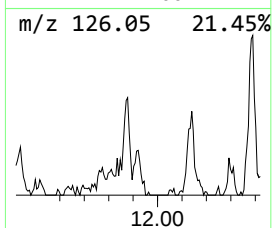
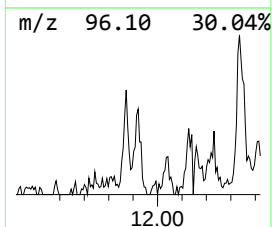
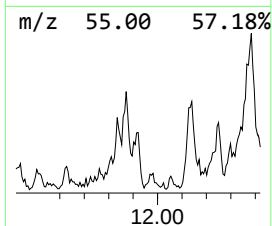
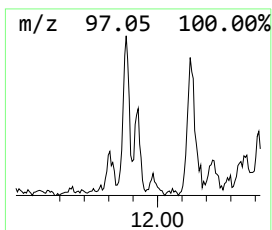
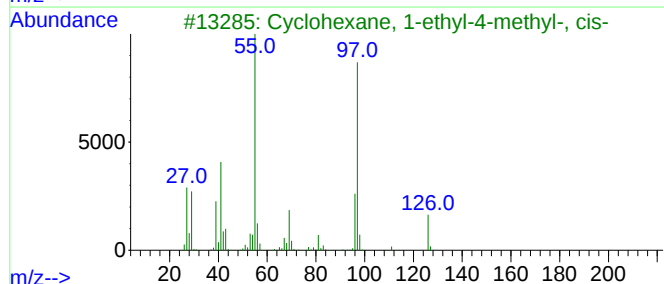
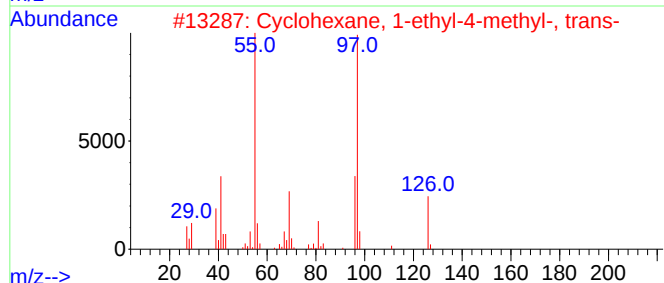
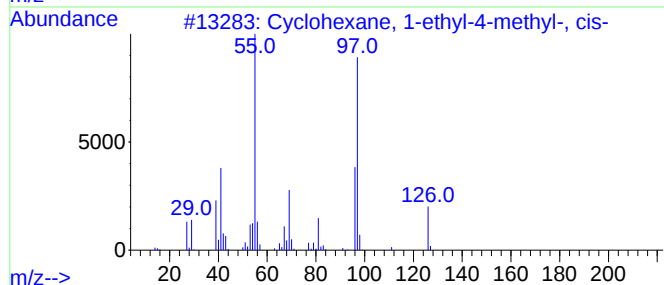
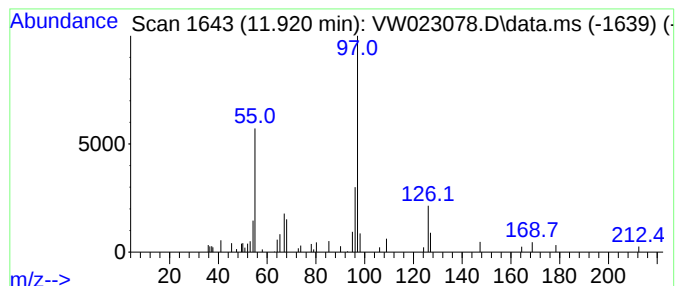
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.921 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	1.34 ug/L	27330	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
5			Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

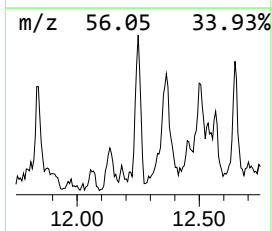
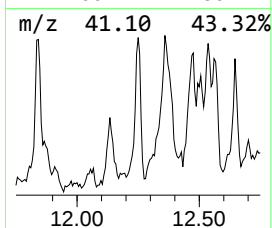
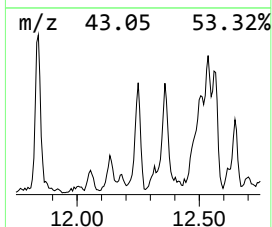
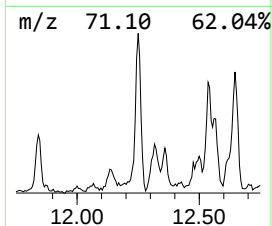
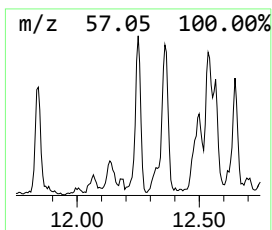
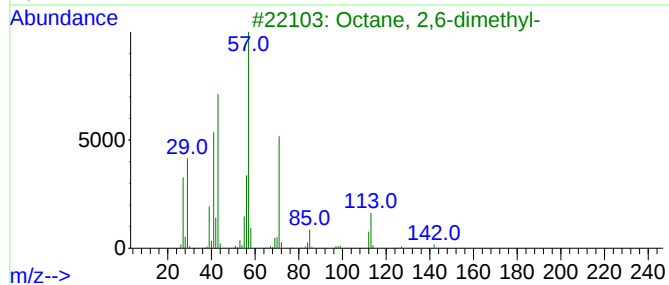
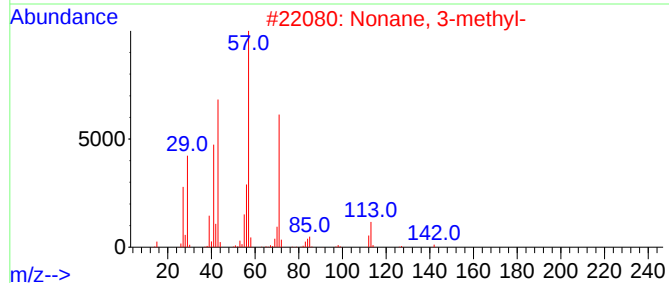
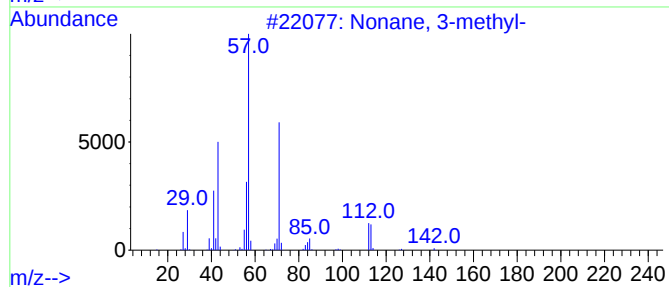
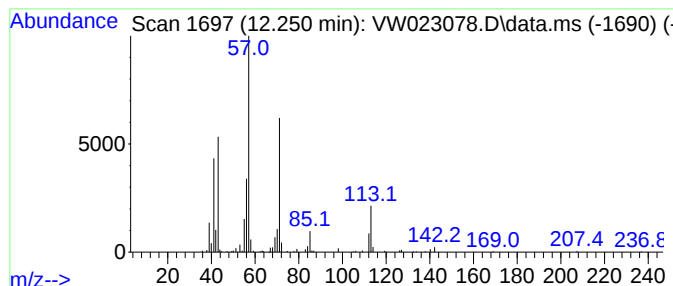
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	5.88 ug/L	119394	Chlorobenzene-d5	11.634

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

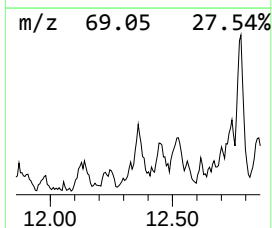
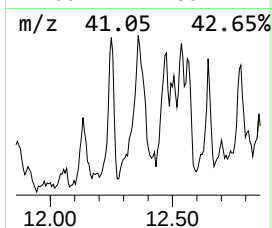
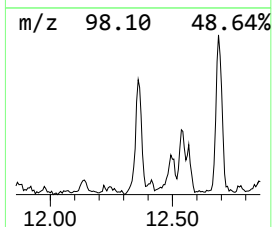
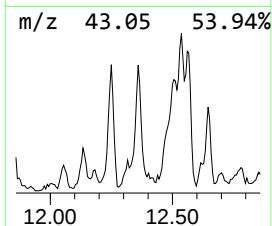
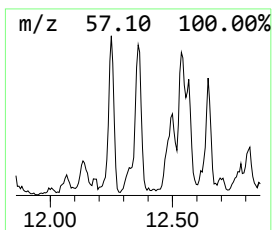
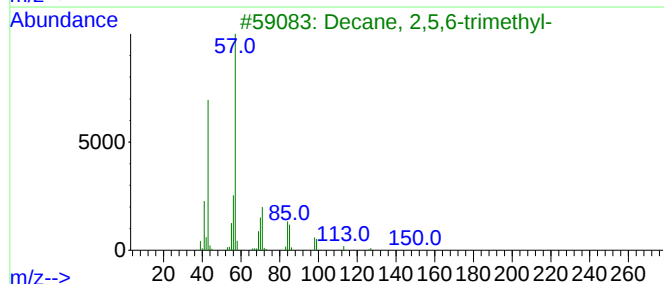
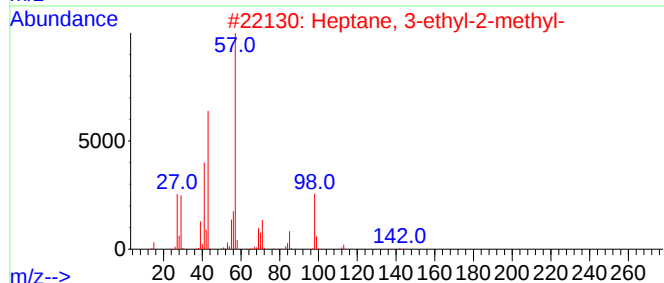
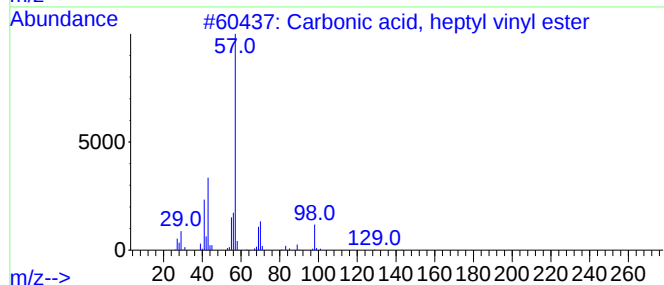
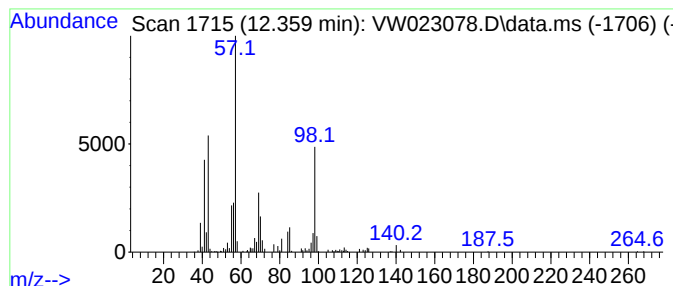
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Quant Title : SFAM01.0

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

Peak Number 21 Carbonic acid, heptyl vinyl... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	12.64 ug/L	256886	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	53
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	52
3			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
4			Dichloroacetic acid, nonyl ester	254	C11H20Cl2O2	083004-99-3	43
5			Acetic acid, trichloro-, nonyl e...	288	C11H19Cl3O2	065611-32-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

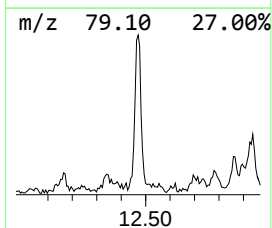
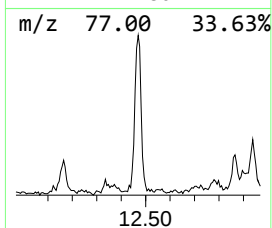
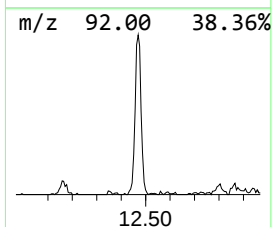
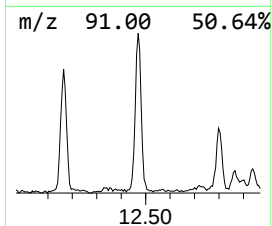
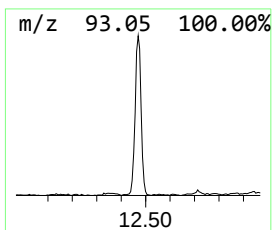
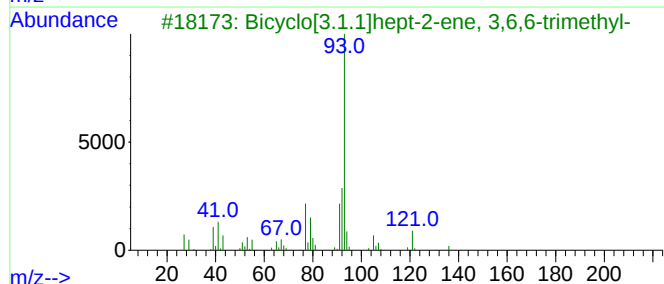
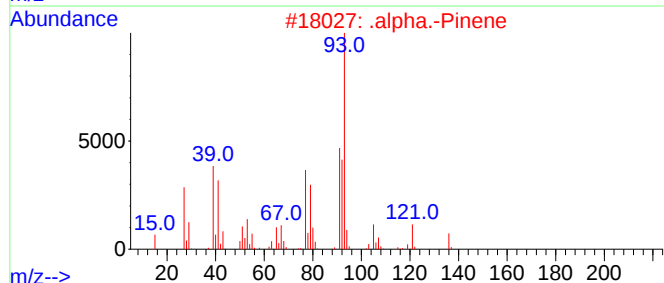
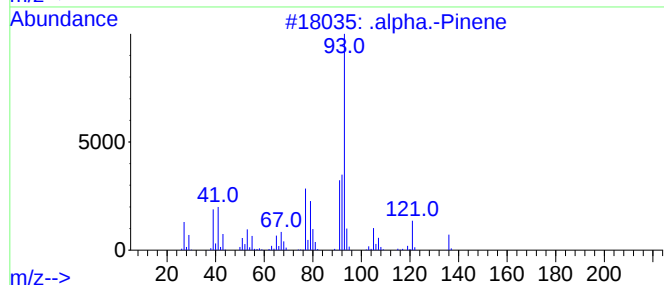
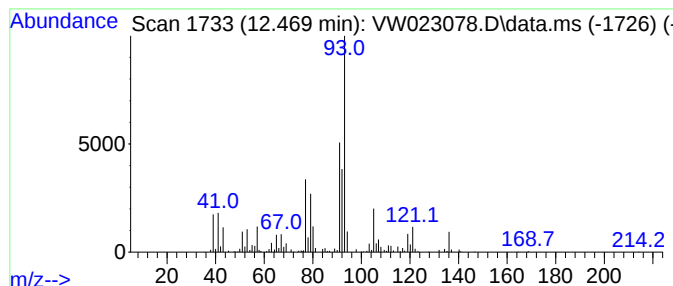
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Quant Title : SFAM01.0

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

Peak Number 22 .alpha.-Pinene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	14.16 ug/L	287815	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.alpha.-Pinene	136	C10H16	000080-56-8	93
2	.		.alpha.-Pinene	136	C10H16	000080-56-8	93
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	90		
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90		
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	90		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

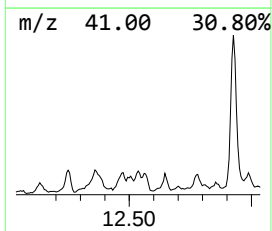
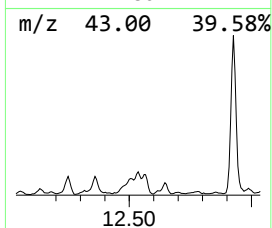
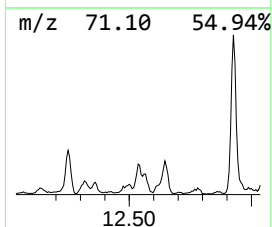
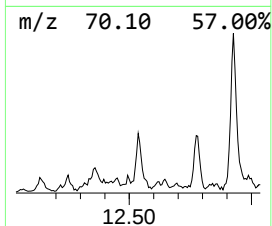
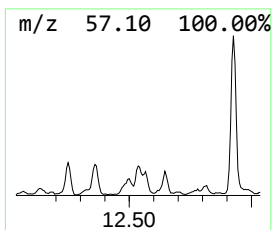
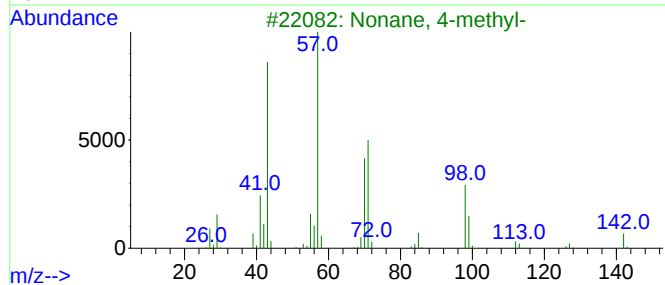
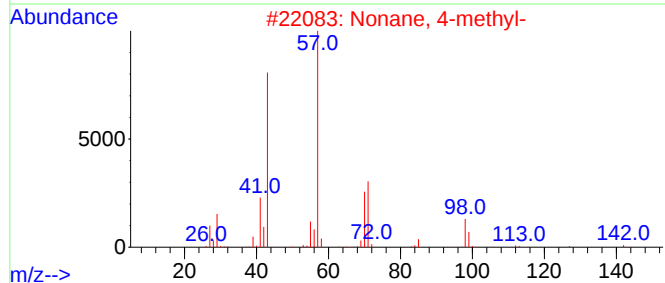
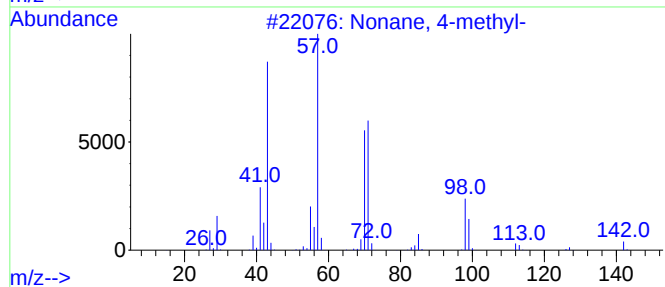
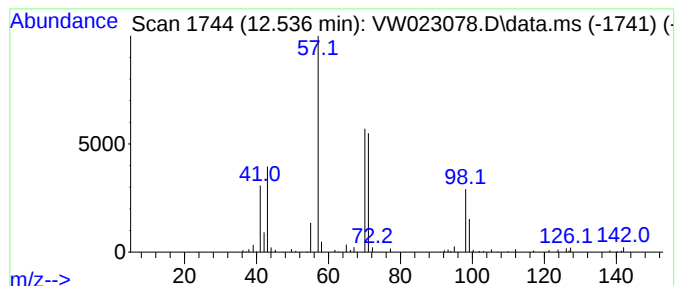
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	5.71 ug/L	116109	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	56
4		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

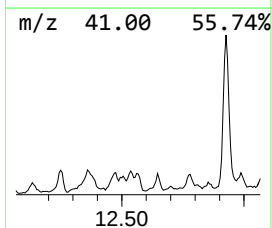
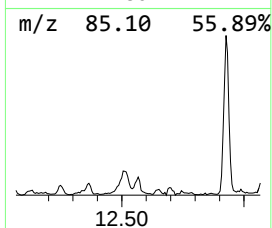
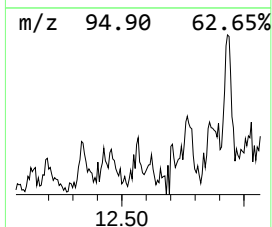
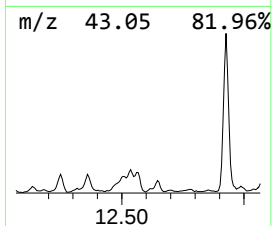
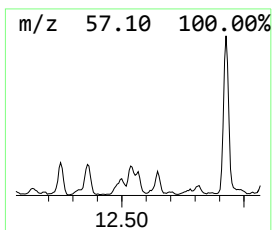
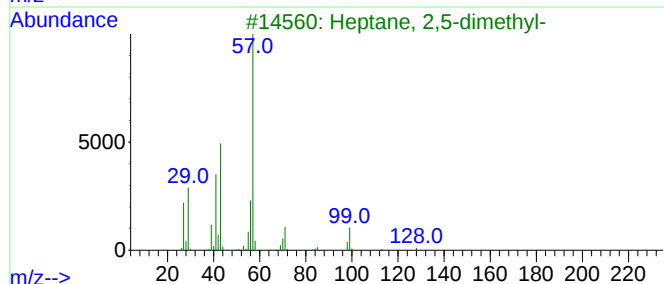
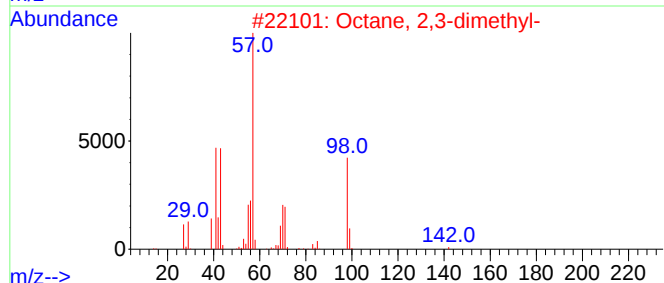
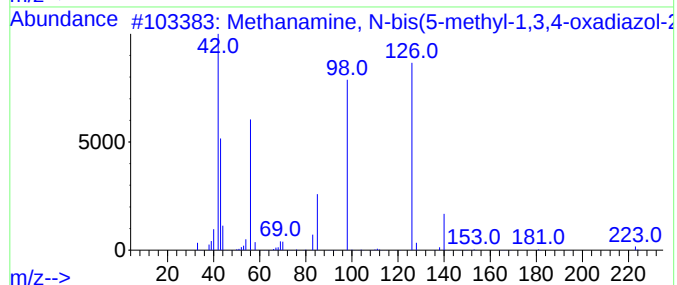
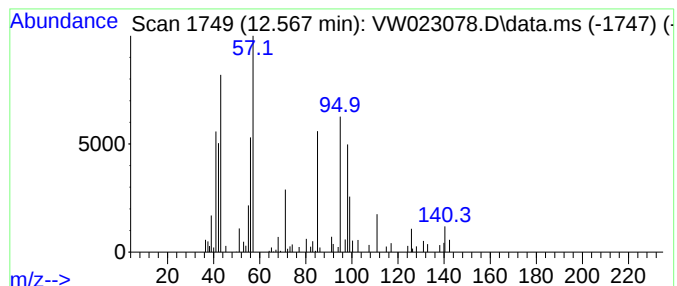
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Quant Title : SFAM01.0

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

Peak Number 24 unknown-03 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.567	3.03 ug/L	61600	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanamine, N-bis(5-methyl-1,3,...	223	C9H13N5O2	350682-00-7	38
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	22
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	22
4			Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	14
5			Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

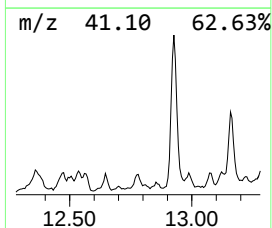
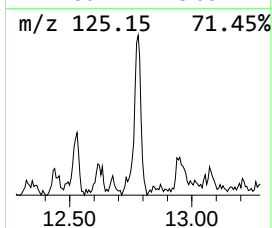
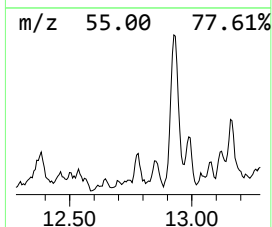
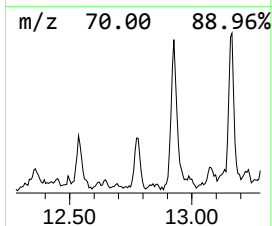
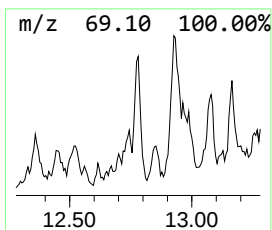
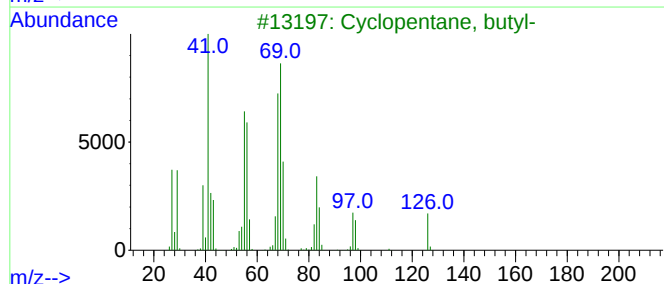
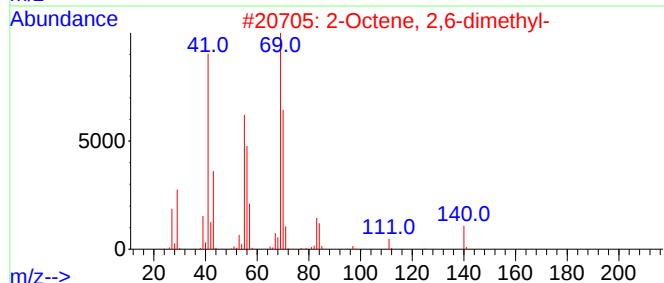
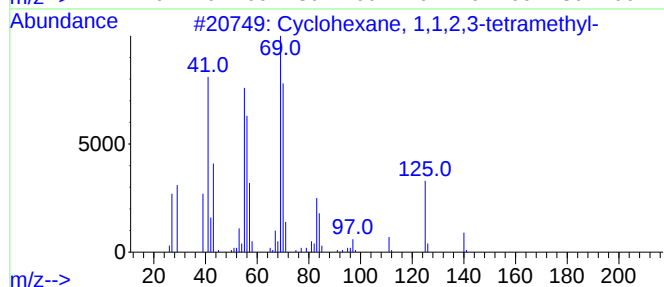
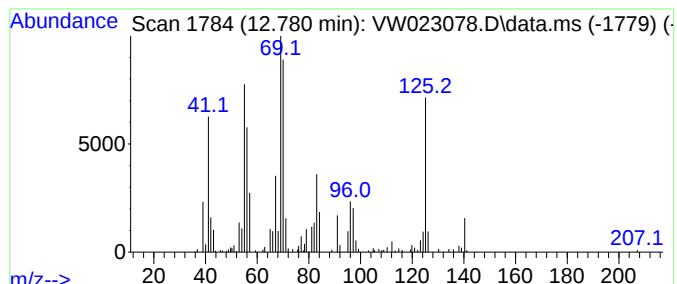
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic12.780 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	7.42 ug/L	133523	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3			Cyclopentane, butyl-	126	C9H18	002040-95-1	50
4			trans-4-Decene	140	C10H20	019398-89-1	49
5			trans-3-Decene	140	C10H20	019150-21-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

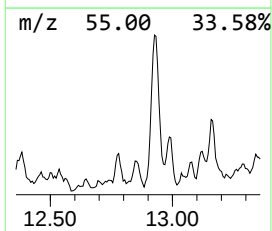
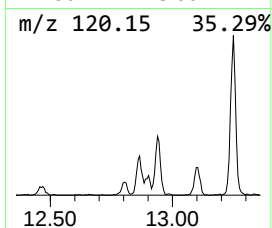
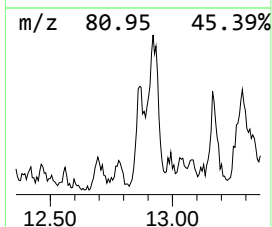
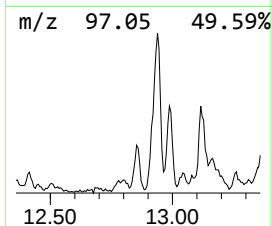
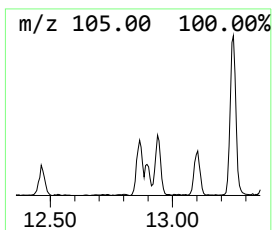
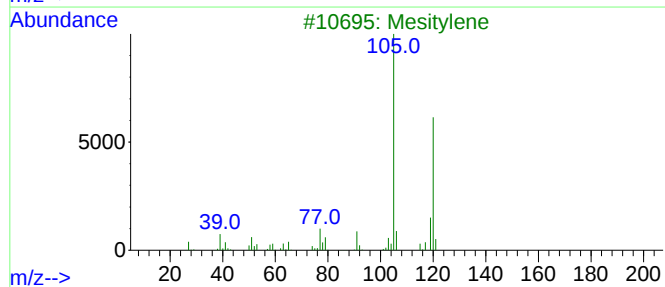
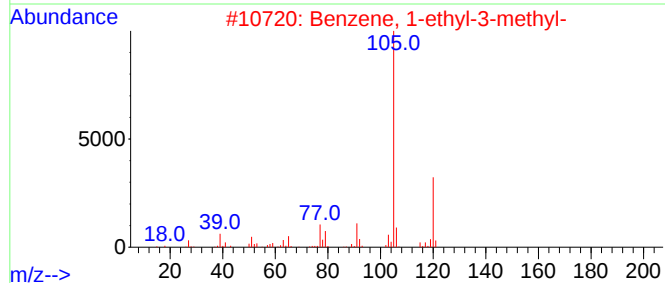
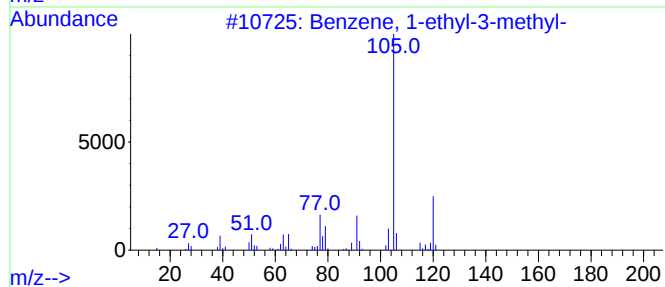
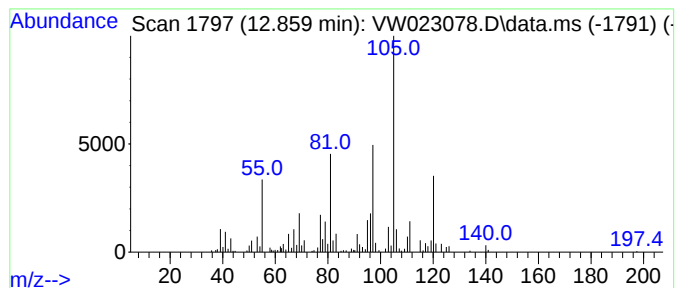
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 1-ethyl-3-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	6.07 ug/L	109201	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46
3			Mesitylene	120	C9H12	000108-67-8	46
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

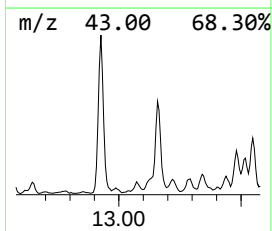
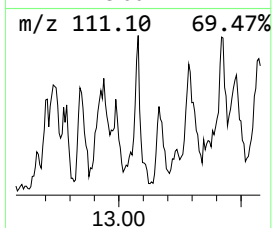
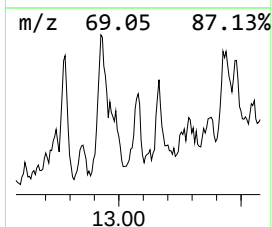
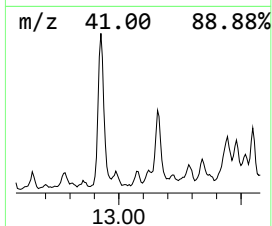
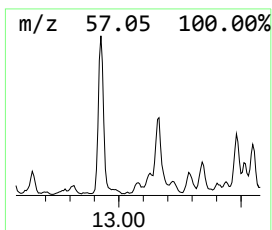
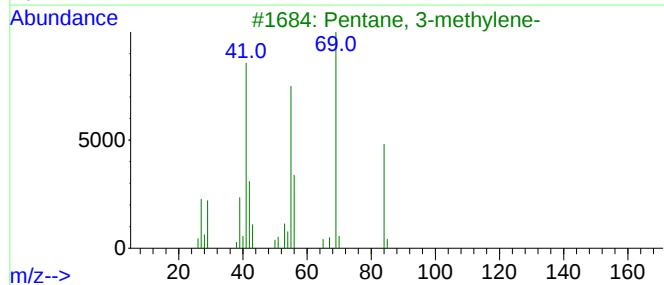
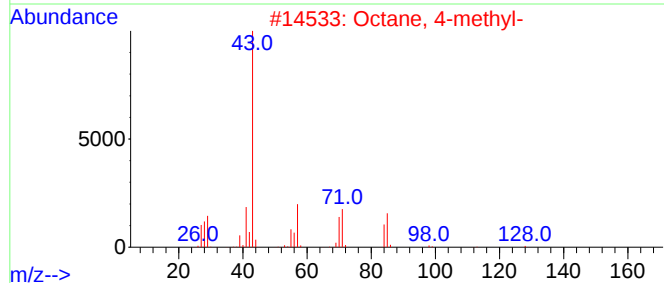
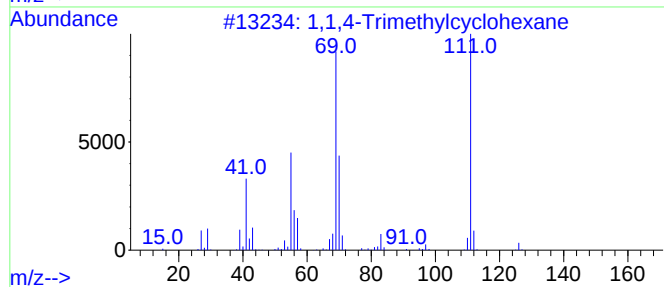
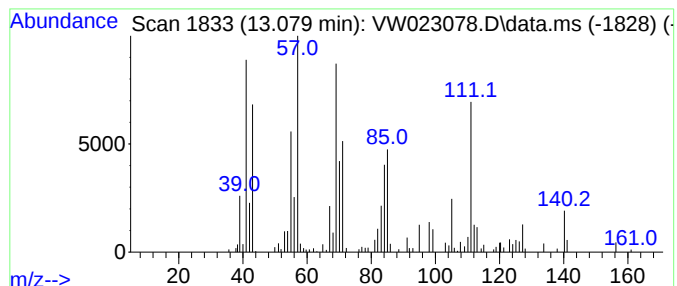
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic13.079 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	4.62 ug/L	83144	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
2			Octane, 4-methyl-	128	C9H20	002216-34-4	43
3			Pentane, 3-methylene-	84	C6H12	000760-21-4	42
4			Pentane, 3-methylene-	84	C6H12	000760-21-4	42
5			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

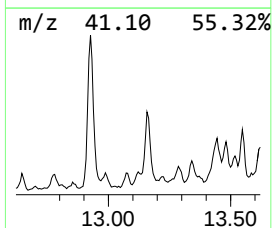
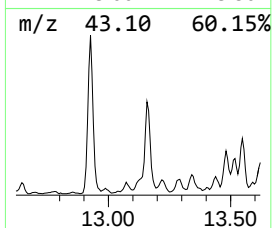
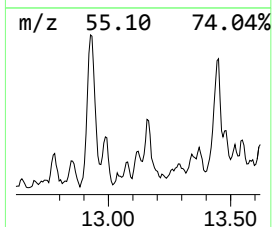
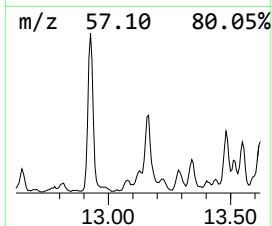
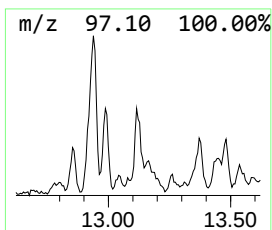
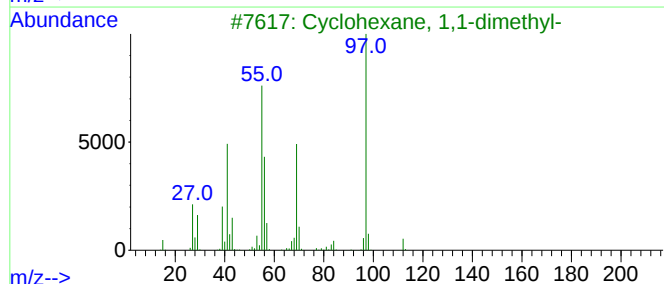
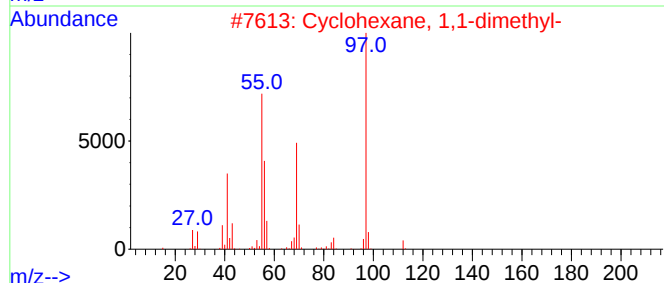
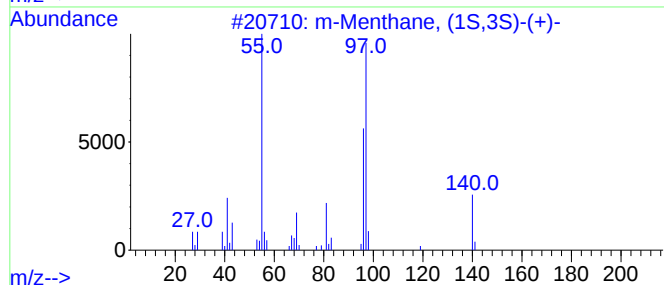
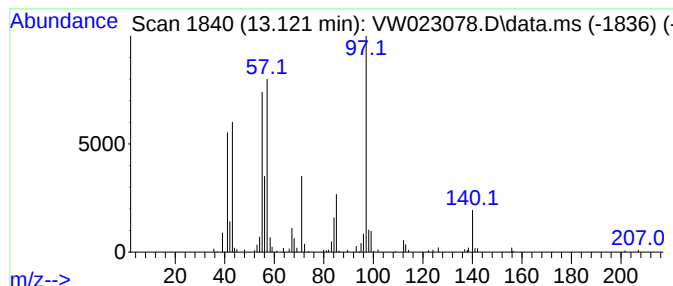
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	4.03 ug/L	72469	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	49
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
4		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
5		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

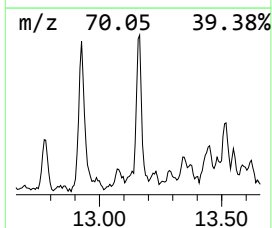
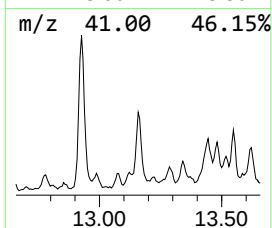
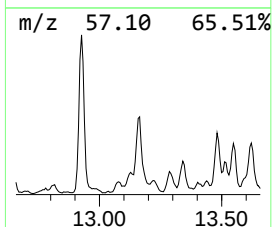
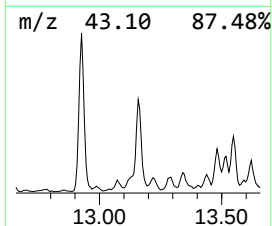
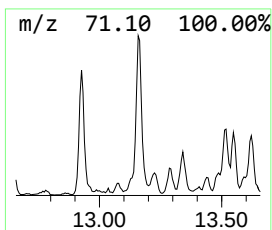
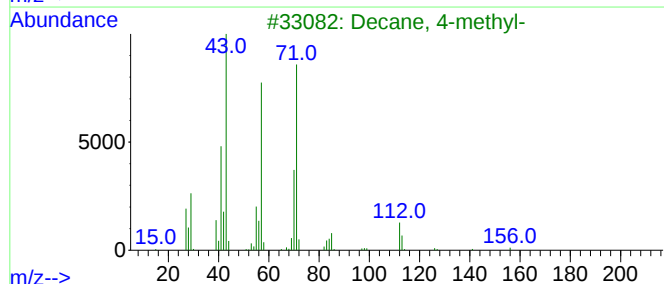
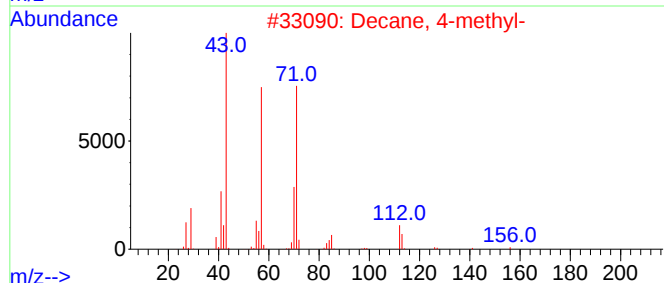
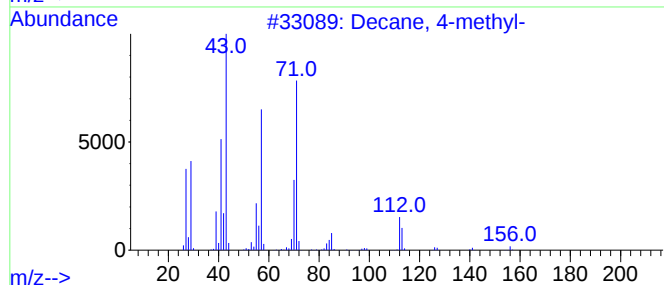
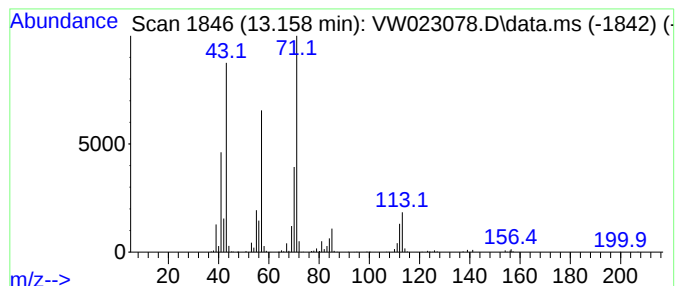
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.158	21.56 ug/L	388155	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	94
2			Decane, 4-methyl-	156	C11H24	002847-72-5	86
3			Decane, 4-methyl-	156	C11H24	002847-72-5	80
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

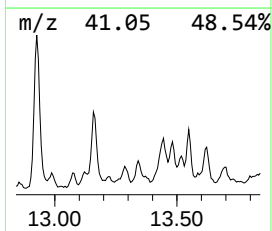
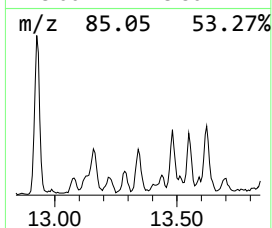
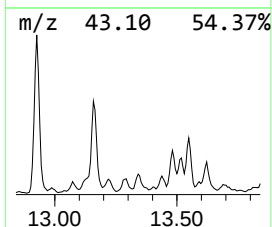
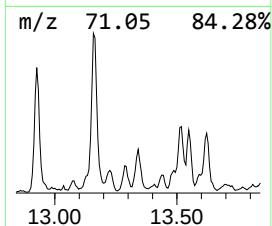
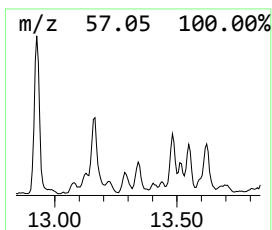
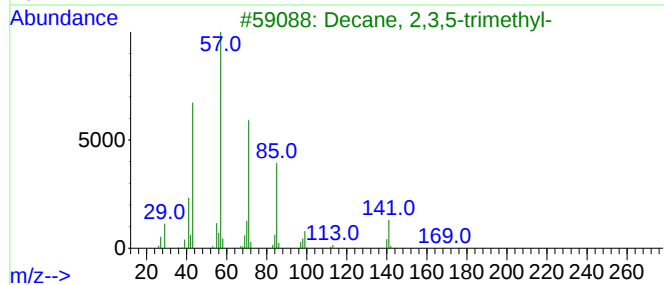
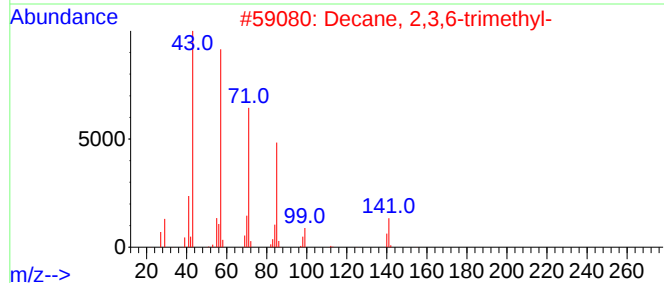
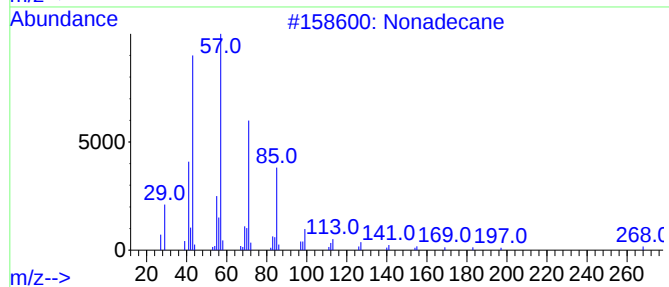
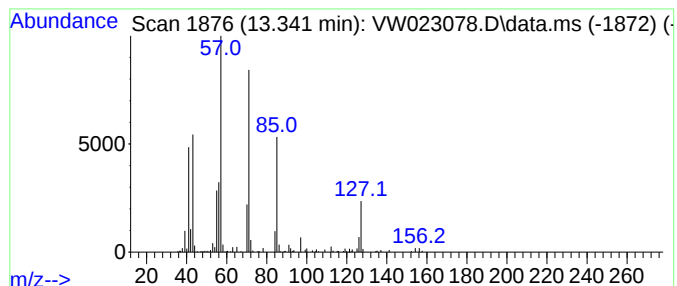
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	5.62 ug/L	101099	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	64
2			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	59
3			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4			Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	53
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

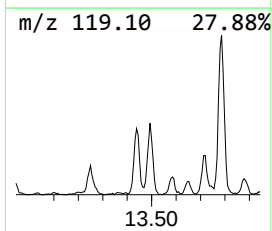
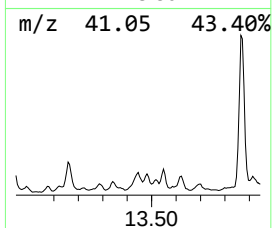
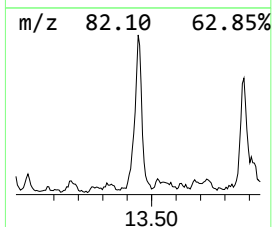
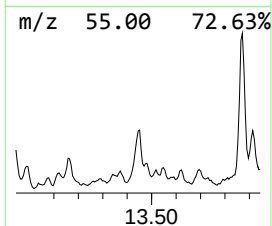
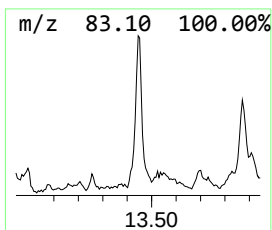
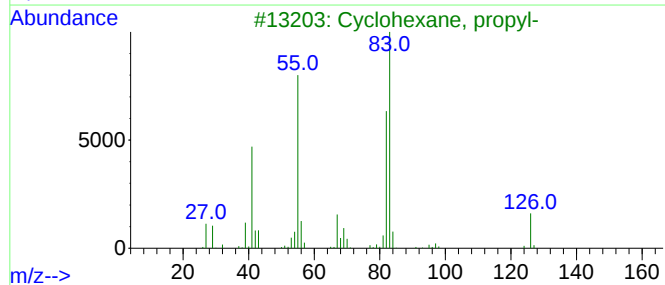
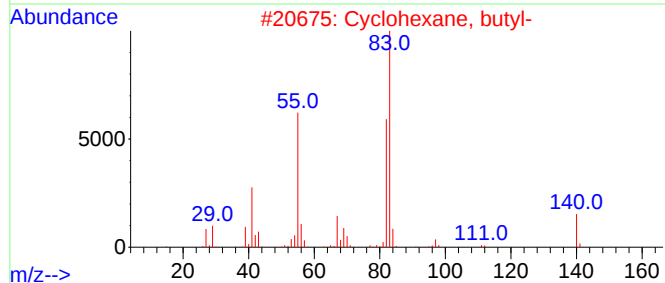
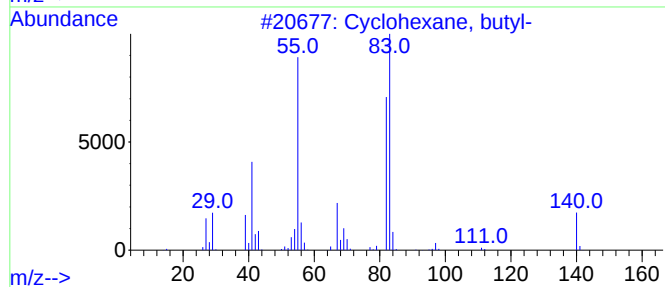
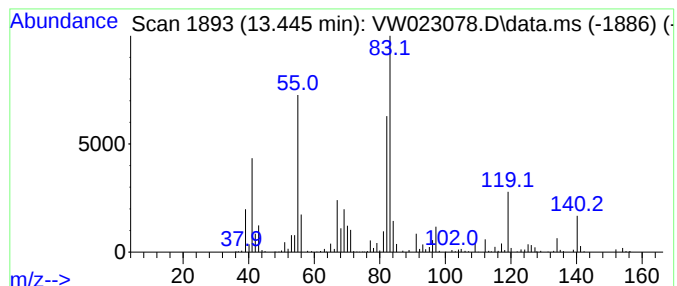
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic13.445 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	21.65 ug/L	389763	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

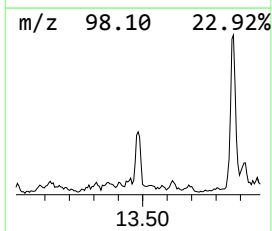
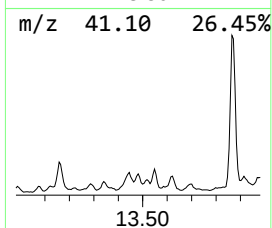
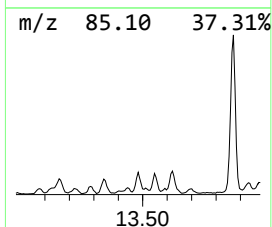
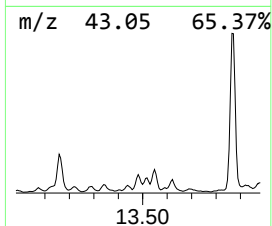
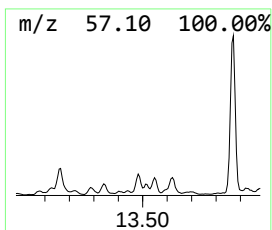
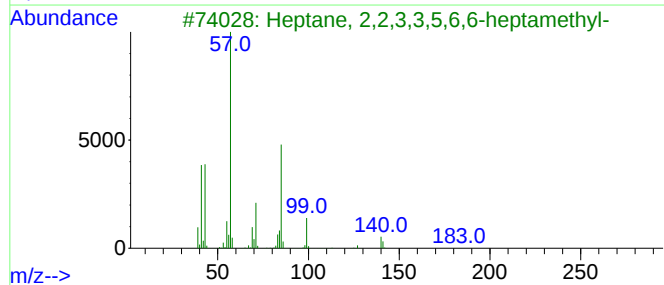
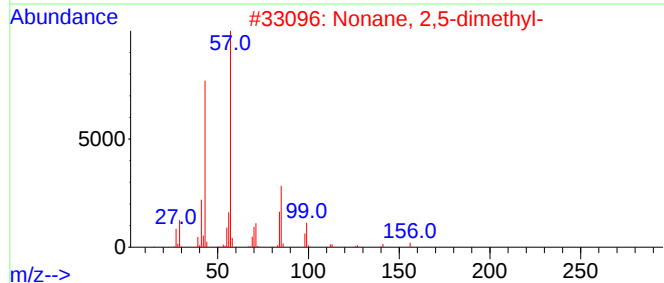
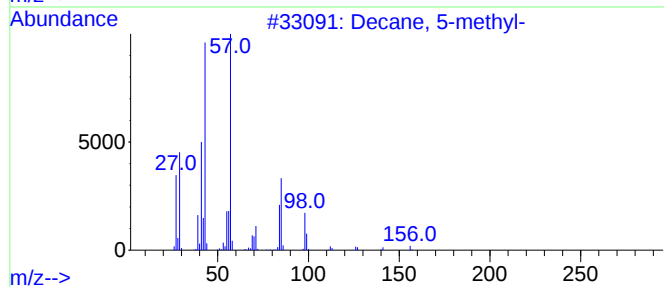
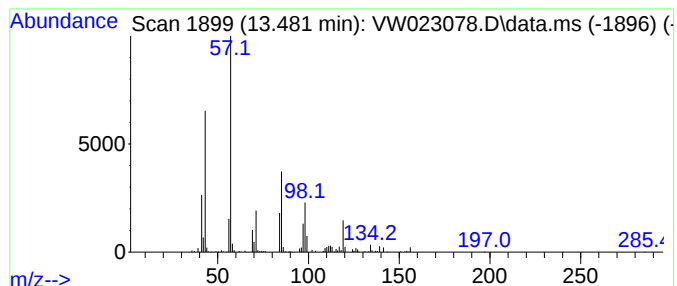
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	13.22 ug/L	238023	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	53
2			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	46
3			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	43
4			Decane, 5-methyl-	156	C11H24	013151-35-4	43
5			4,4-Dimethyl octane	142	C10H22	015869-95-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

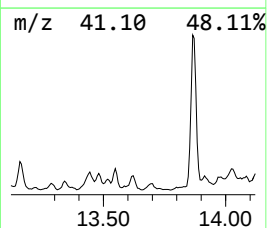
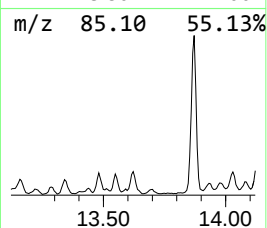
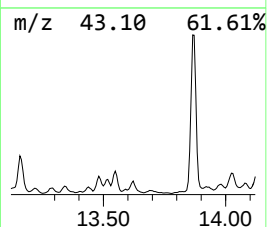
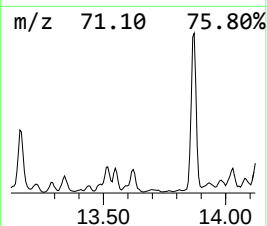
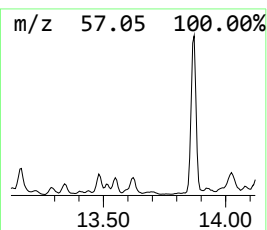
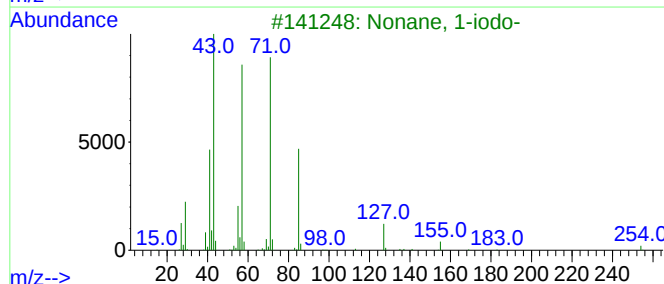
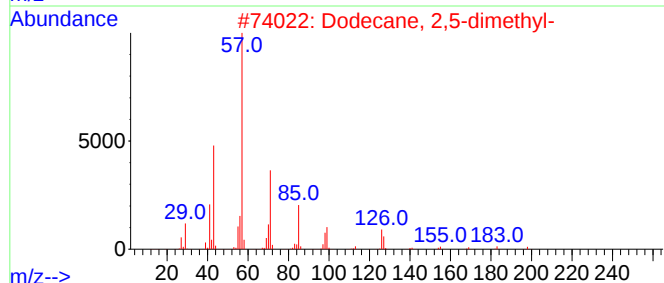
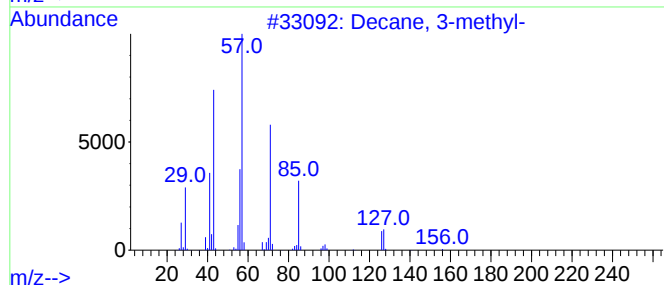
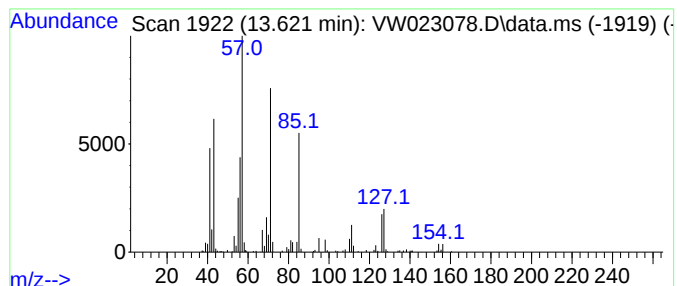
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	10.49 ug/L	188930	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	78
2			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	53
3			Nonane, 1-iodo-	254	C9H19I	004282-42-2	50
4			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	50
5			Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

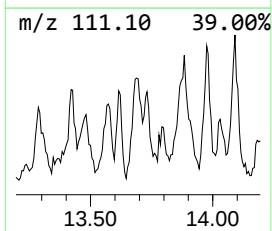
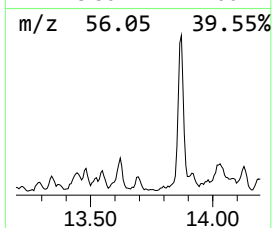
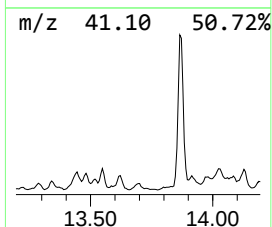
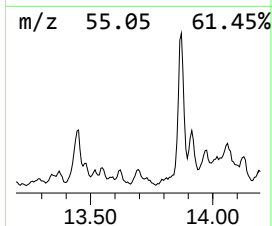
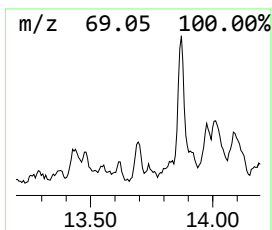
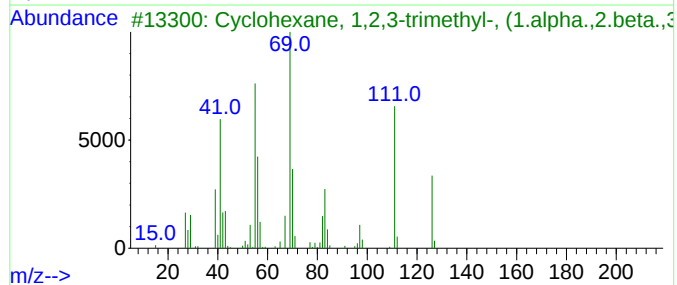
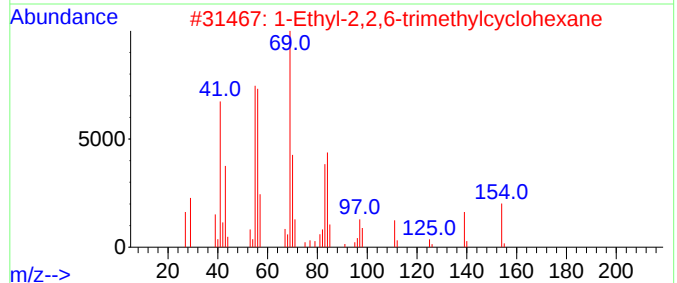
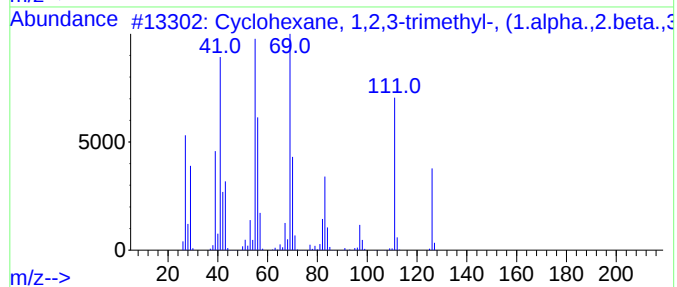
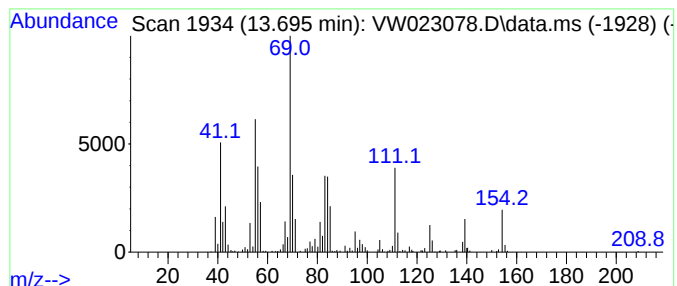
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic13.695 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.695	9.63 ug/L	173354	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	58
2			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	58
3			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	58
4			Isodecyl methacrylate	226	C14H26O2	029964-84-9	50
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

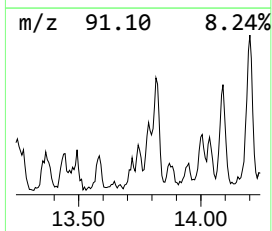
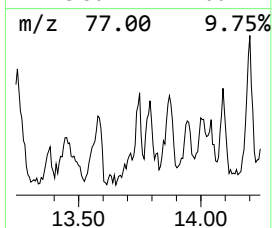
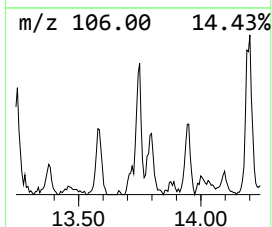
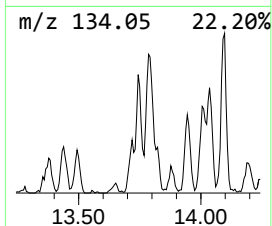
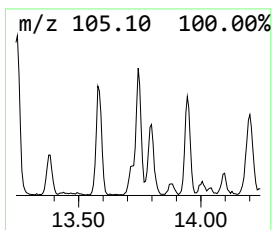
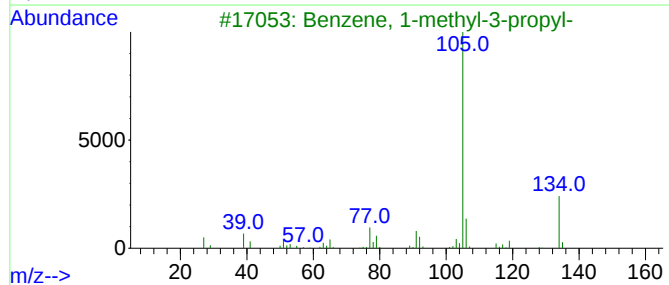
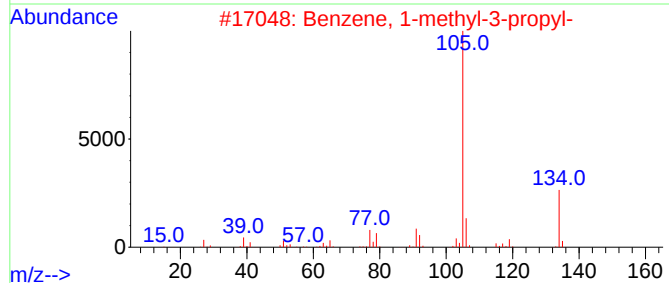
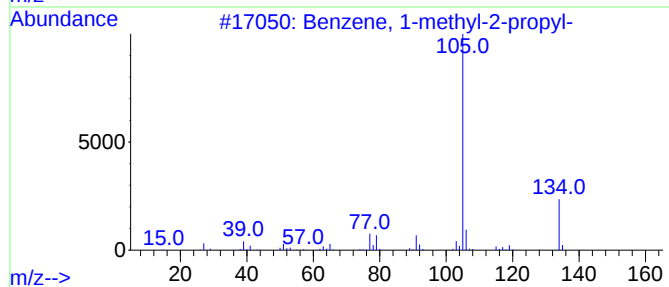
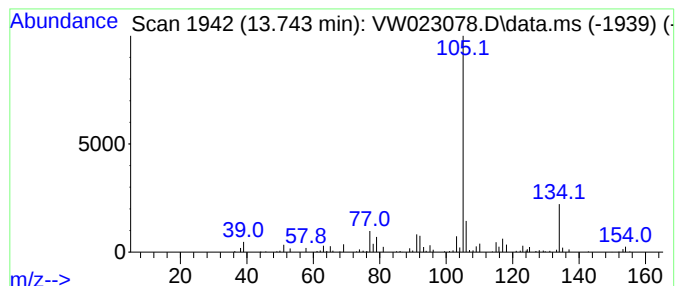
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1-methyl-2-propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.743	3.98 ug/L	71605	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	74
2			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	72
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

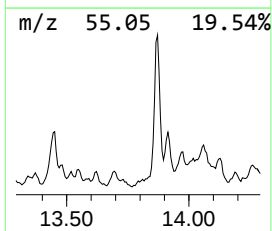
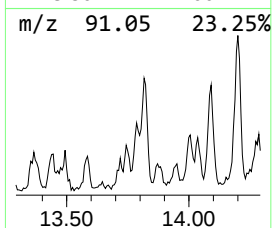
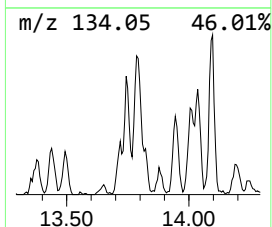
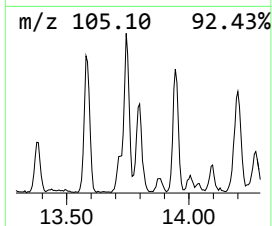
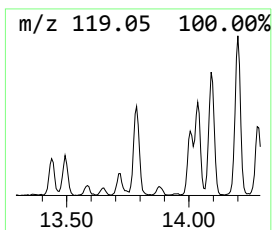
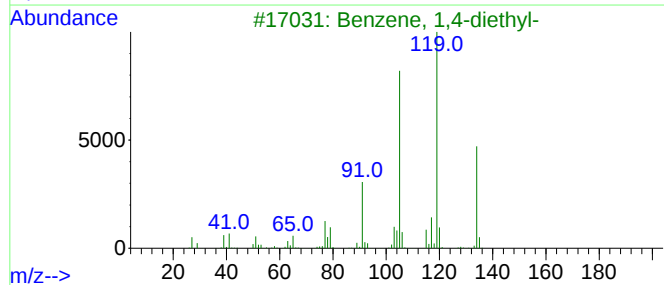
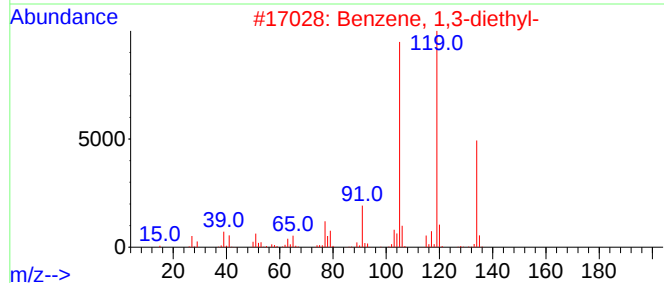
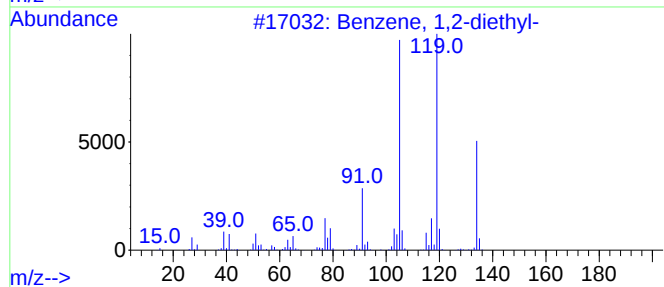
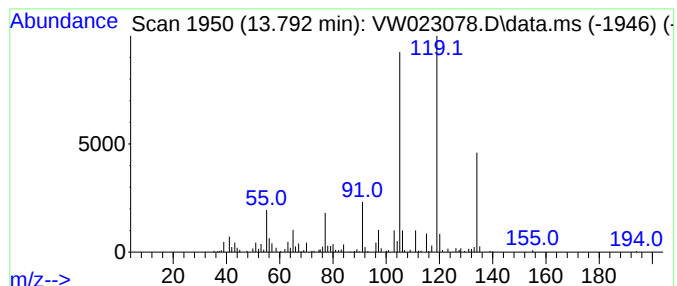
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Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1,2-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	5.73 ug/L	103238	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	80
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	80
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

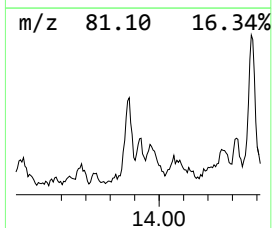
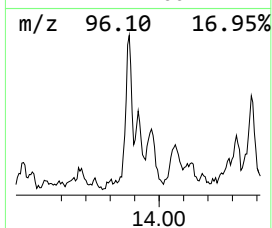
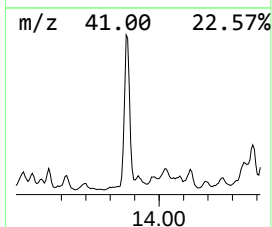
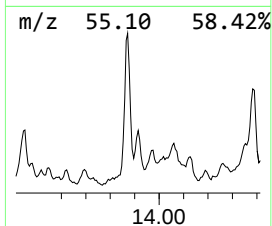
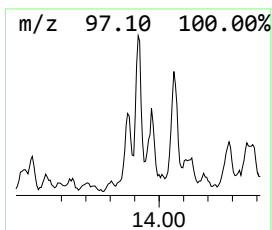
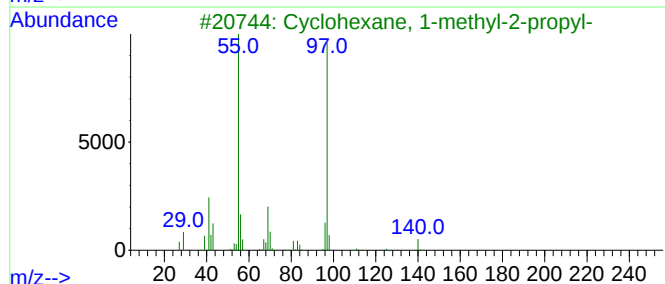
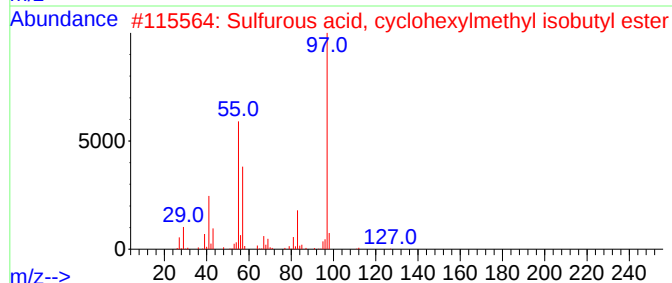
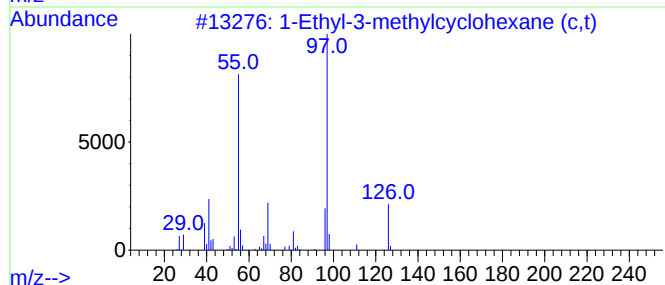
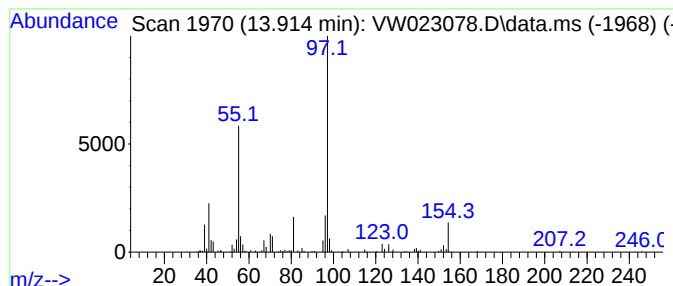
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Cyclic13.914 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.914	9.98 ug/L	179615	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
2			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	59
3			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
4			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

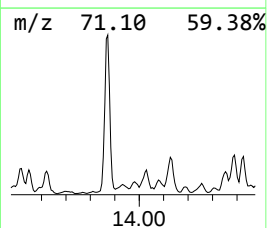
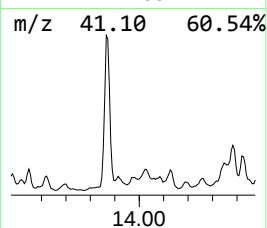
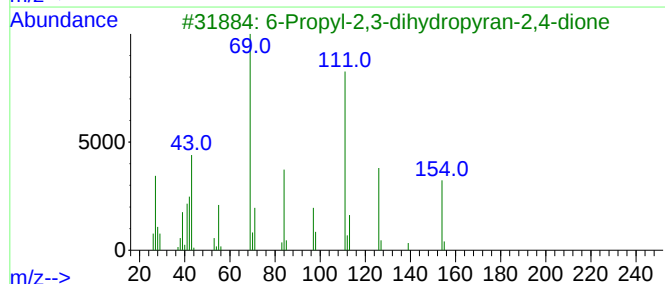
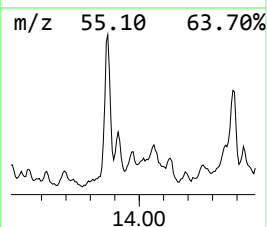
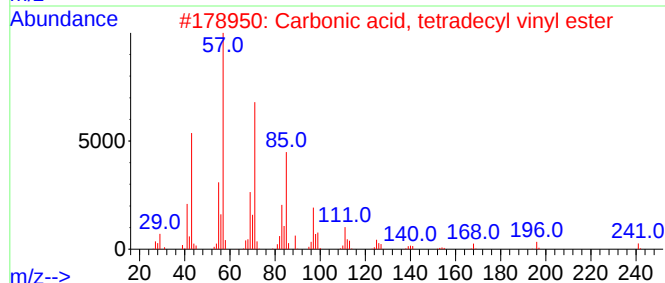
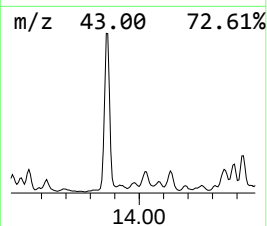
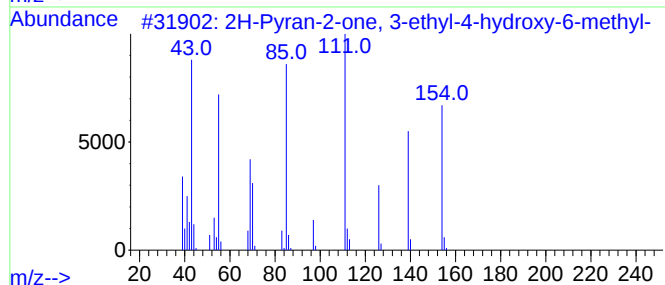
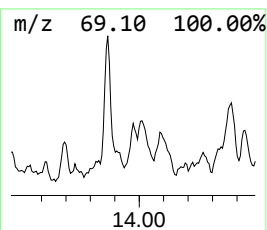
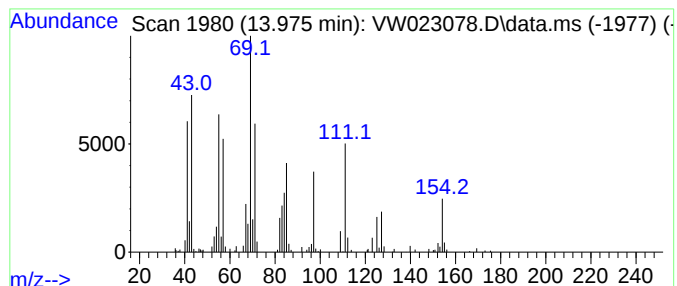
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Quant Title : SFAM01.0

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

Peak Number 38 unknown-04 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	8.15 ug/L	146785	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H-Pyran-2-one, 3-ethyl-4-hydrox...	154	C8H10O3	050607-35-7	38
2			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	27
3			6-Propyl-2,3-dihydropyran-2,4-dione	154	C8H10O3	005698-53-3	27
4			2-Pentene, 4-methyl-	84	C6H12	004461-48-7	25
5			2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

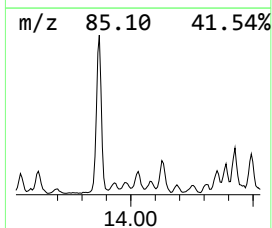
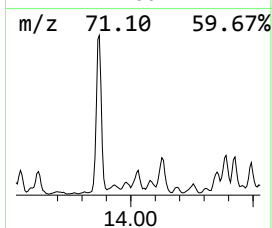
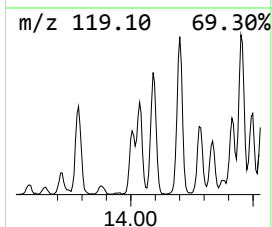
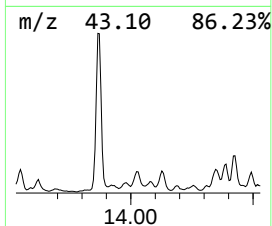
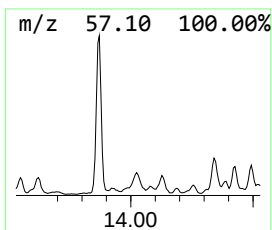
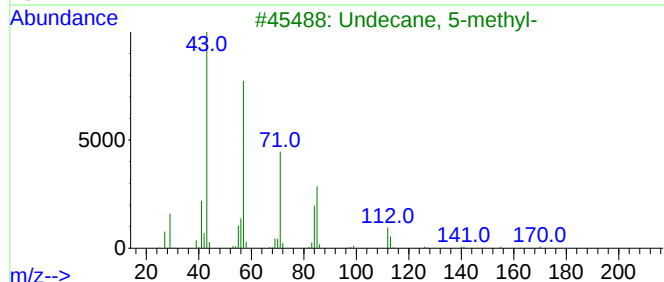
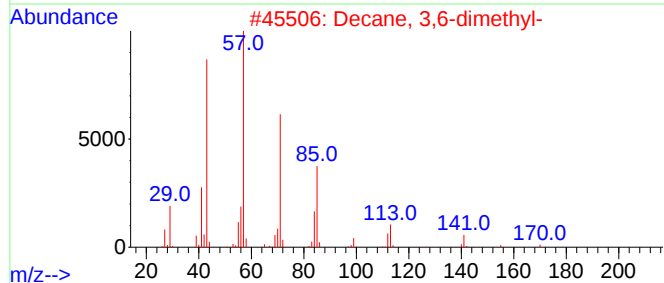
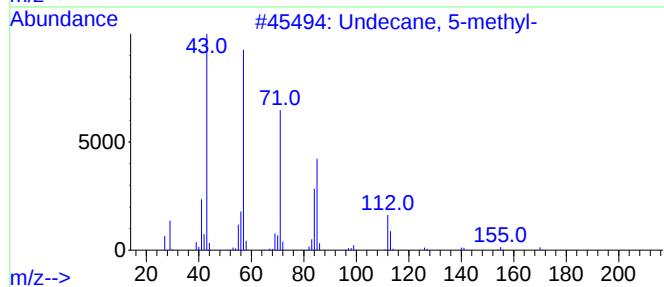
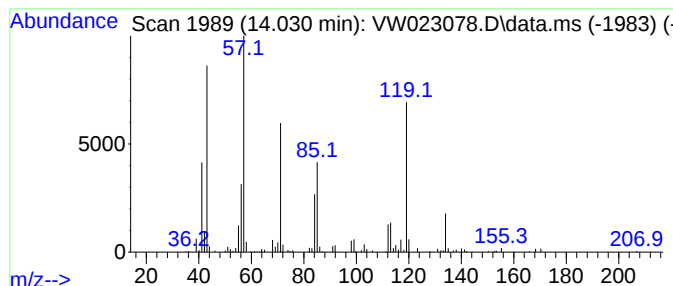
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.030	30.33 ug/L	545982	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-methyl-	170	C12H26	001632-70-8	92
2			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	62
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	38
5			Undecane, 3-methyl-	170	C12H26	001002-43-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

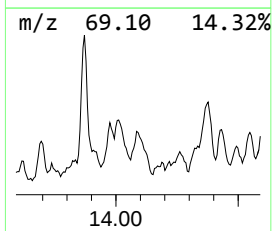
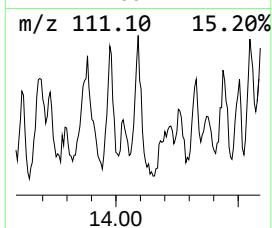
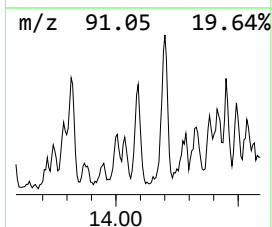
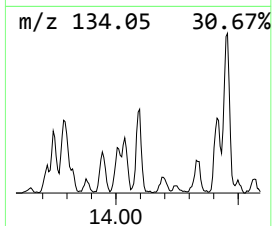
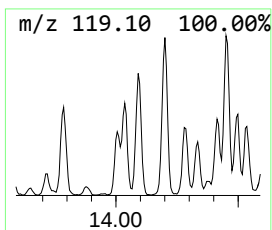
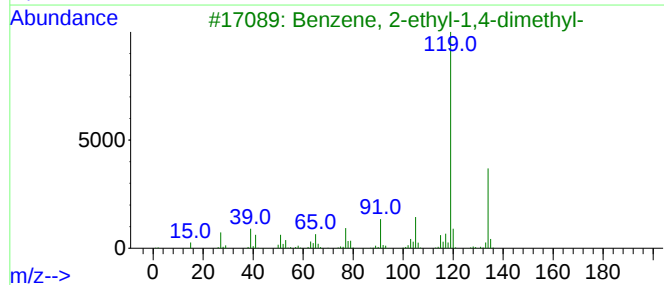
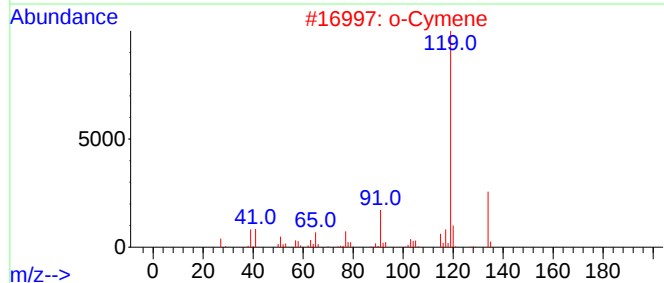
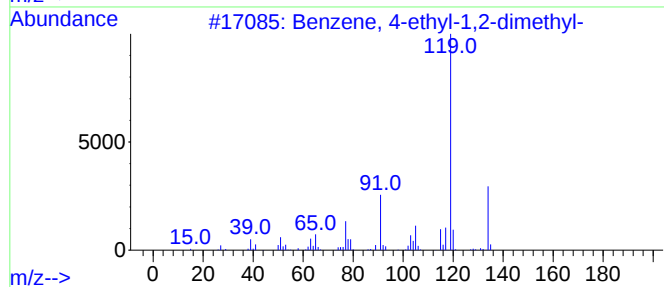
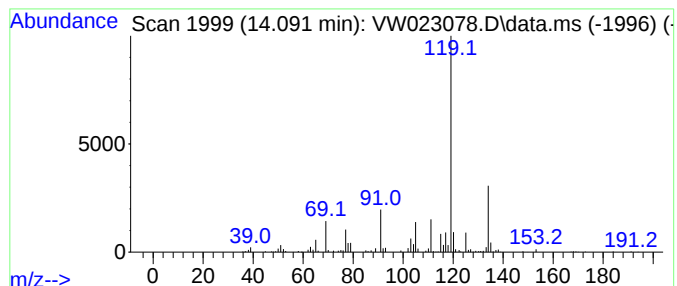
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	12.45 ug/L	224078	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

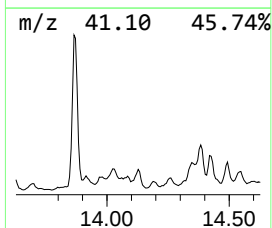
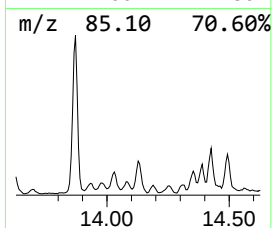
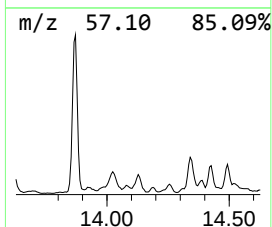
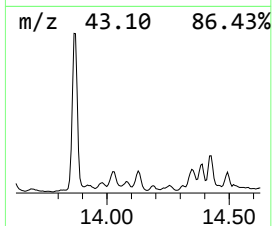
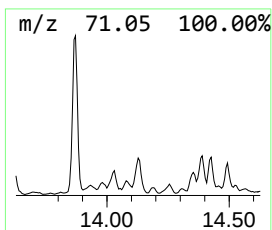
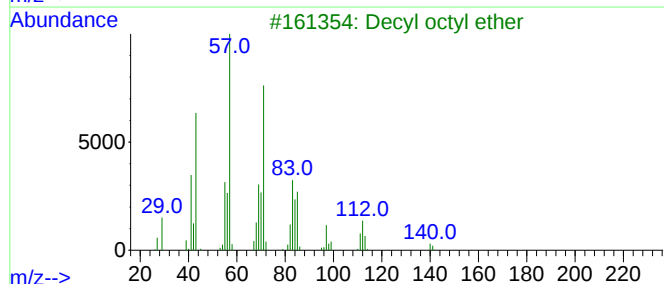
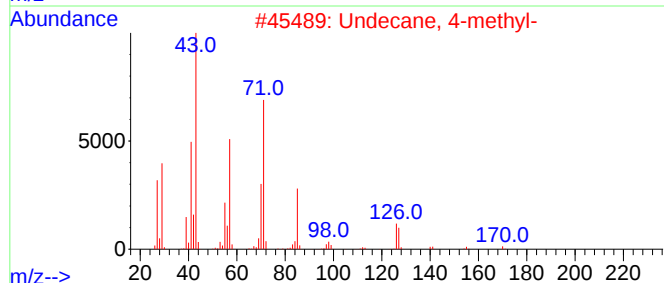
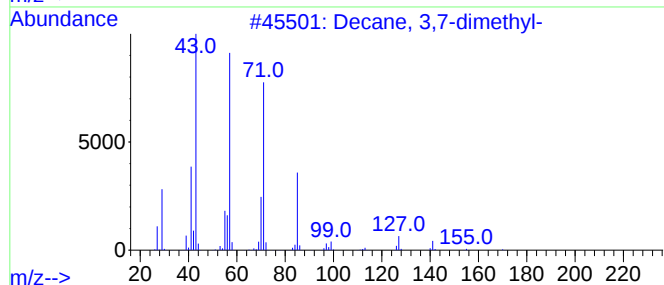
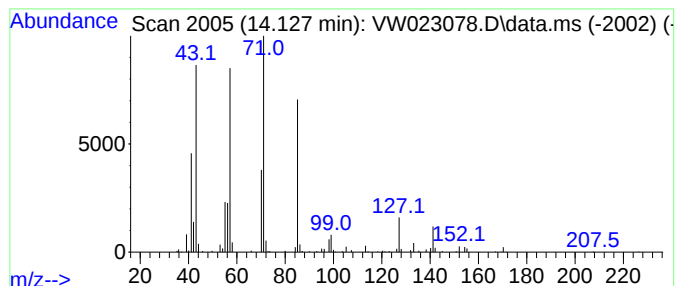
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.127	15.00 ug/L	269968	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	87
2			Undecane, 4-methyl-	170	C12H26	002980-69-0	72
3			Decyl octyl ether	270	C18H38O	1000406-38-3	59
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	58
5			Decane, 4-ethyl-	170	C12H26	001636-44-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

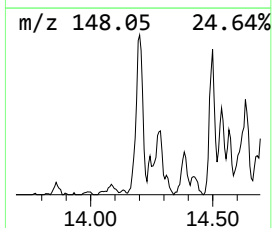
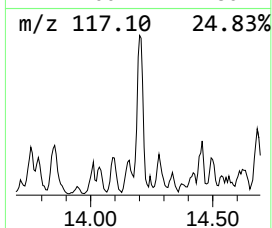
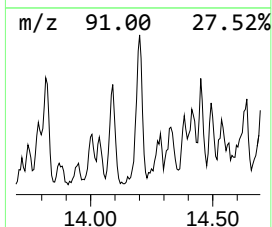
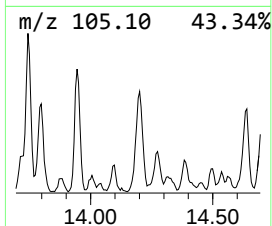
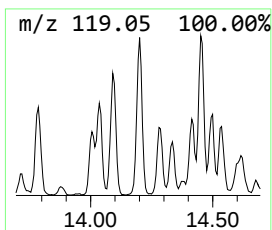
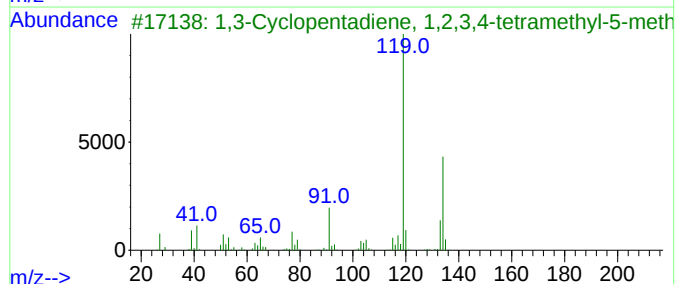
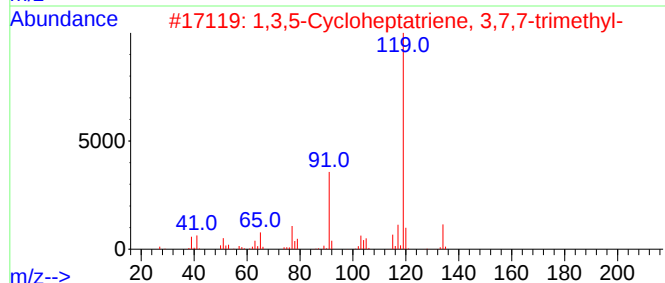
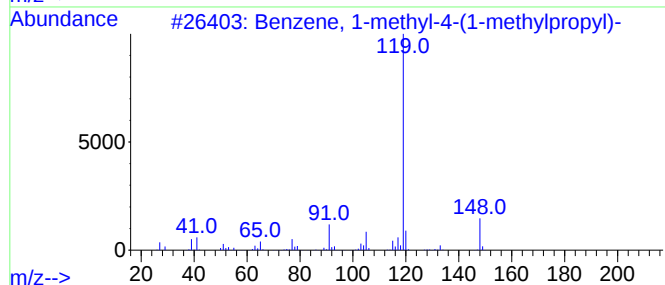
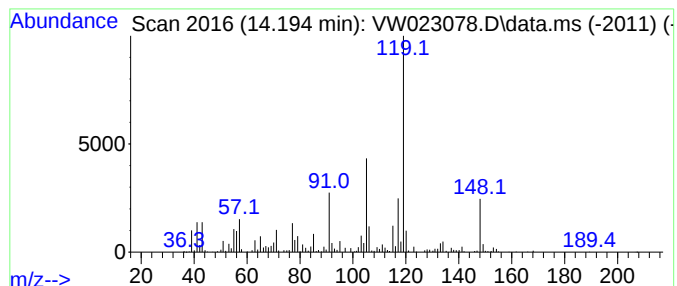
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	21.47 ug/L	386465	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	70
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	68
5			o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

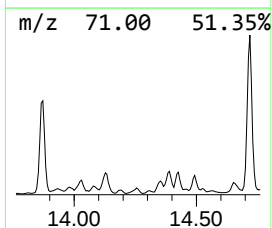
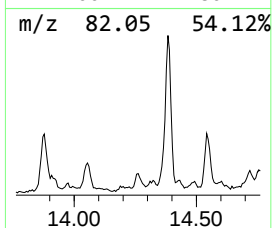
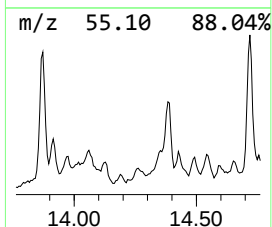
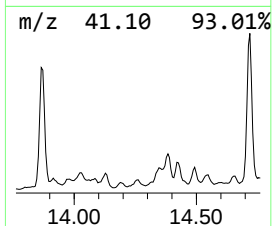
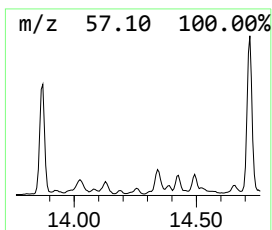
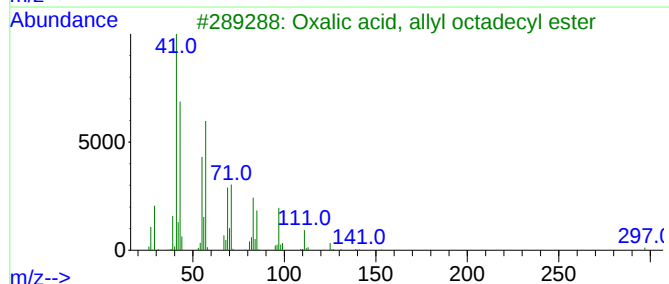
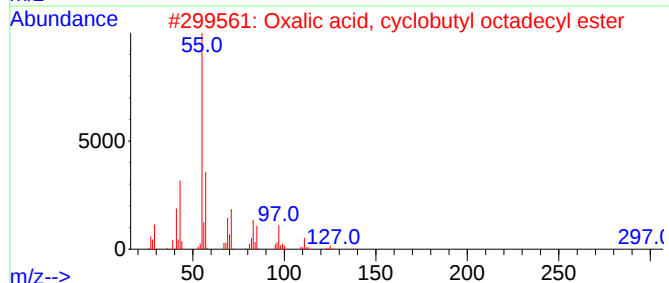
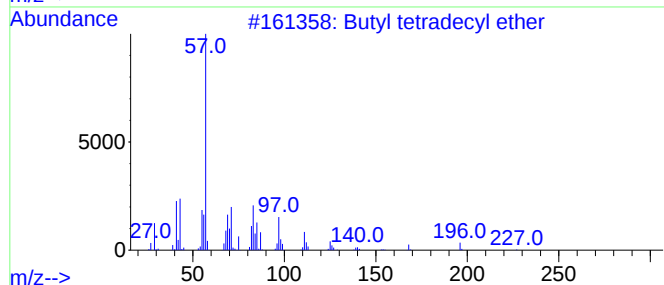
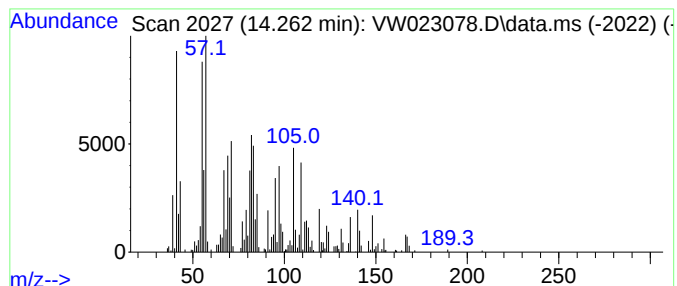
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Quant Title : SFAM01.0

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

Peak Number 43 unknown-05 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	11.70 ug/L	210582	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyl tetradecyl ether	270	C18H38O	1000406-40-4	43
2			Oxalic acid, cyclobutyl octadecyl ester	396	C24H44O4	1000309-70-8	43
3			Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	38
4			Nonanenitrile	139	C9H17N	002243-27-8	38
5			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

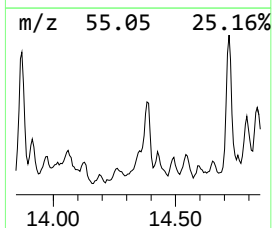
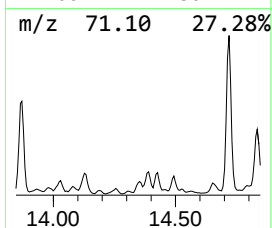
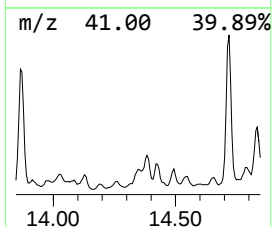
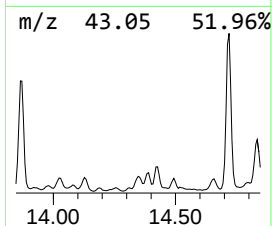
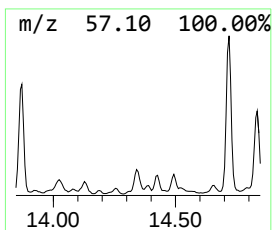
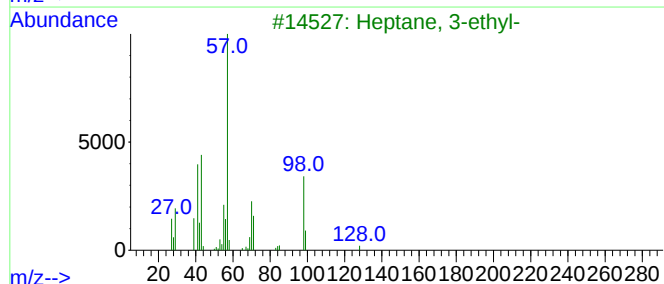
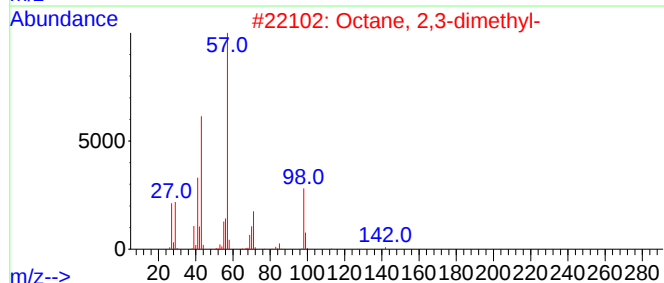
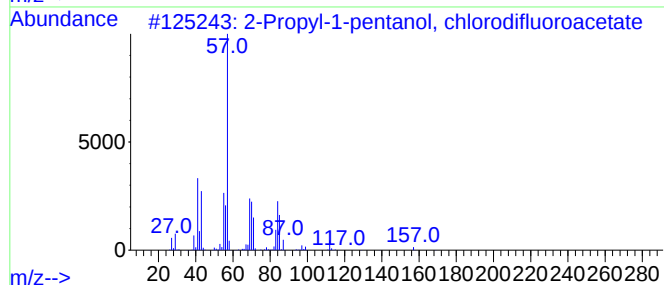
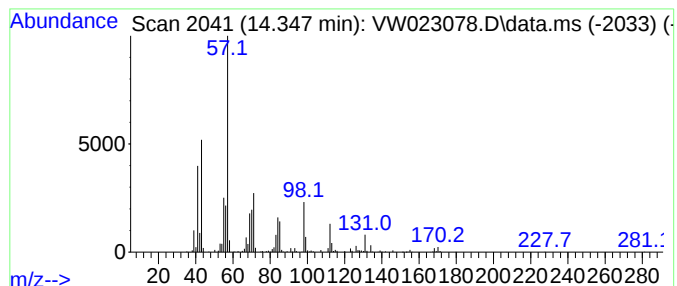
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Quant Title : SFAM01.0

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

Peak Number 44 2-Propyl-1-pentanol, chloro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.347	26.14 ug/L	470646	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propyl-1-pentanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-3	52
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
3			Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
4			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	43
5			1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11BO3	1000063-89-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

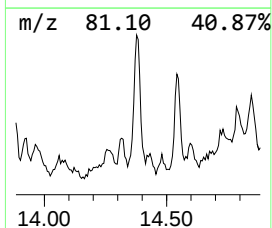
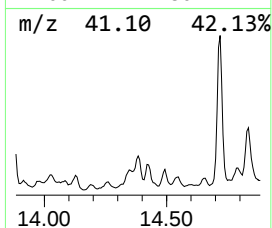
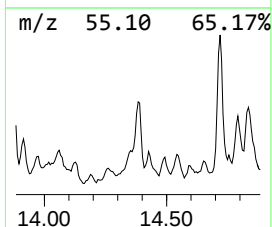
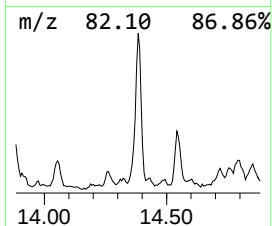
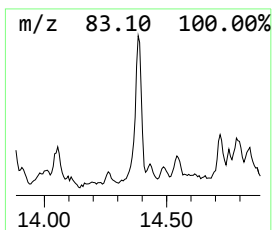
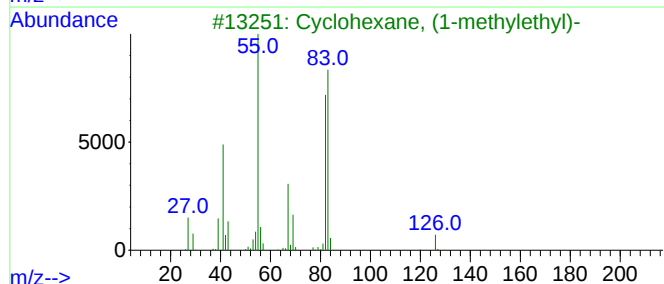
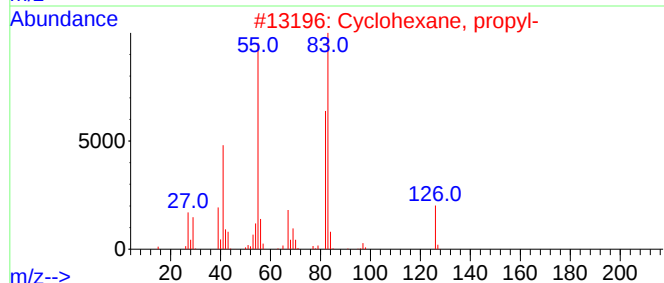
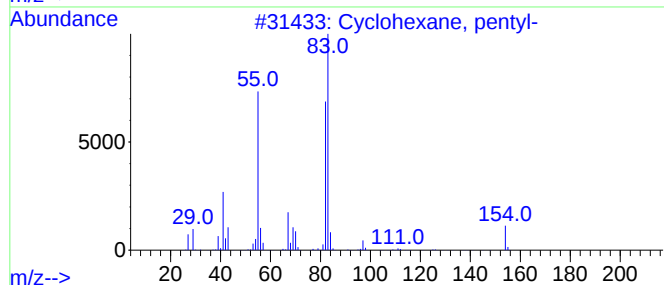
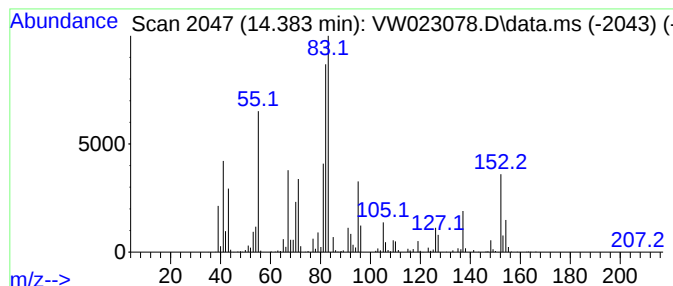
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Cyclic14.383 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	46.10 ug/L	829987	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	47
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

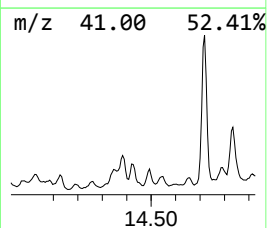
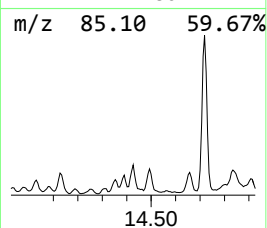
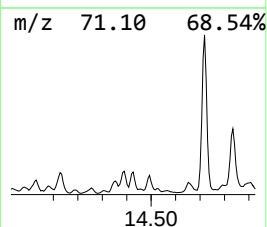
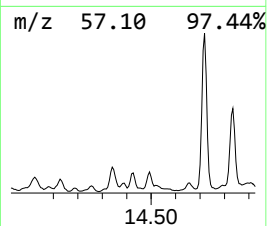
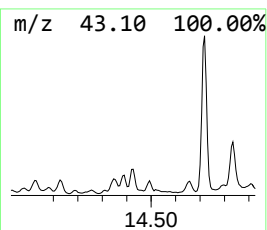
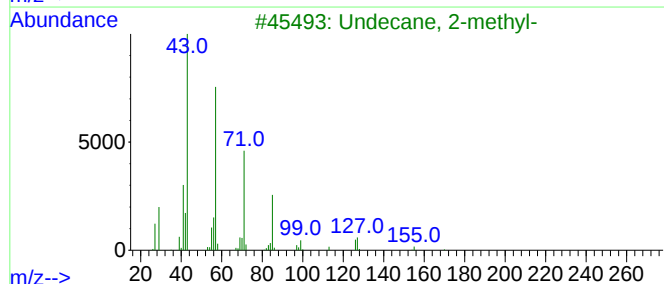
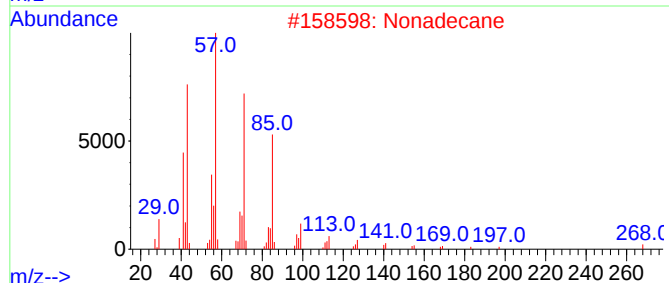
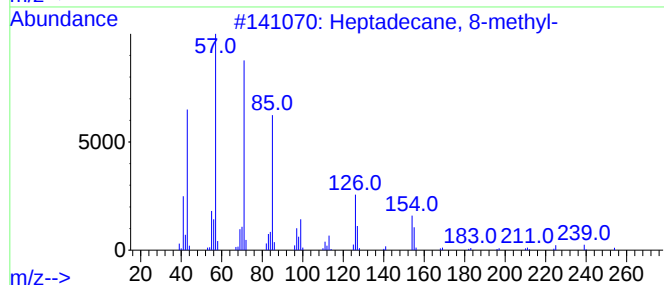
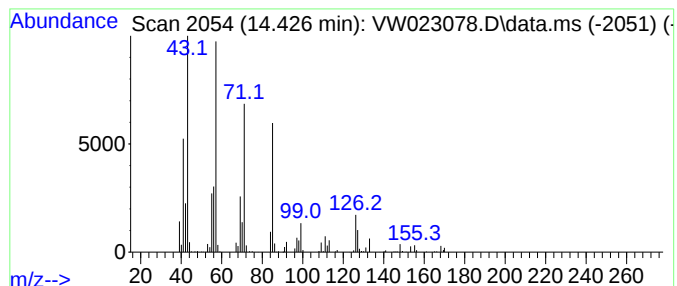
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	23.70 ug/L	426700	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	68
2		Nonadecane	268	C19H40	000629-92-5	64
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
4		Decane, 2-methyl-	156	C11H24	006975-98-0	62
5		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

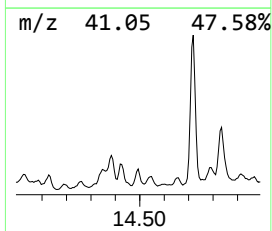
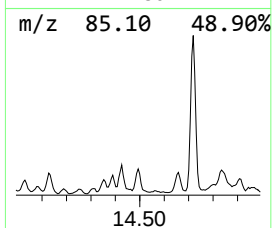
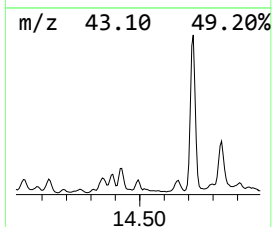
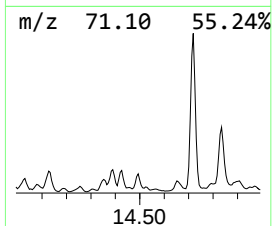
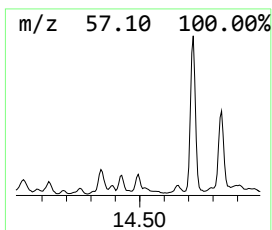
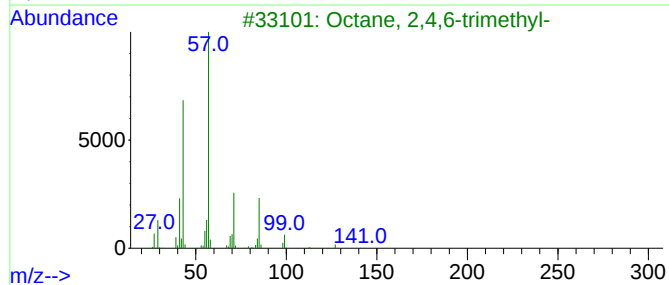
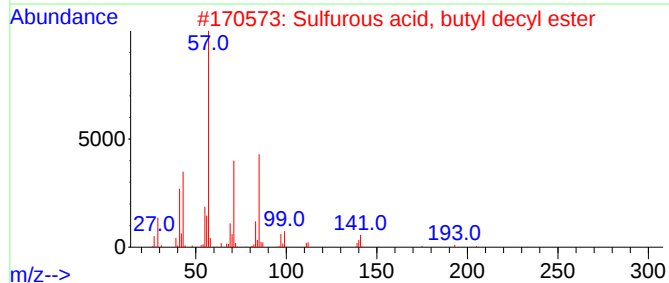
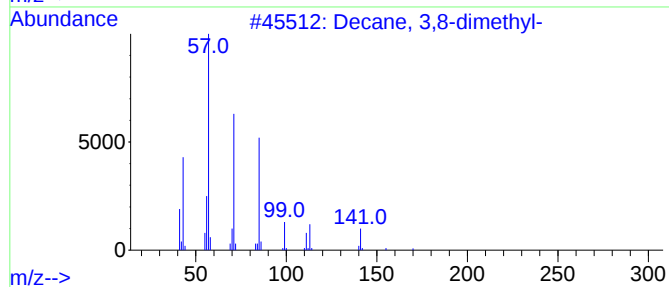
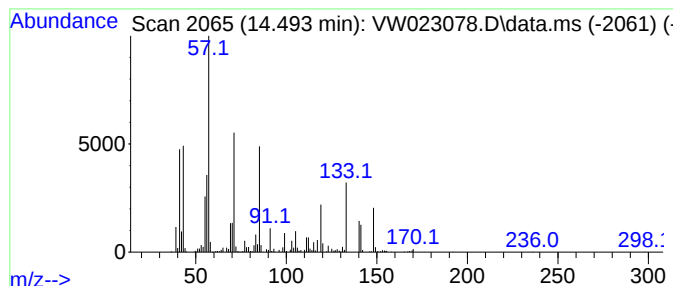
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	18.44 ug/L	332032	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
2			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	47
3			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	46
4			Undecane	156	C11H24	001120-21-4	43
5			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

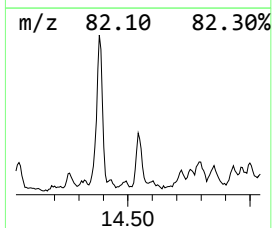
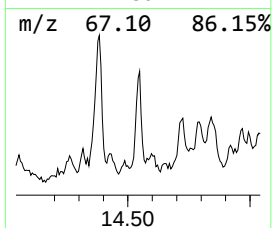
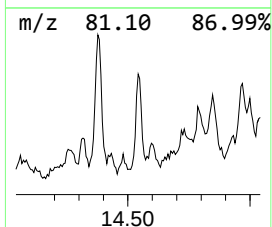
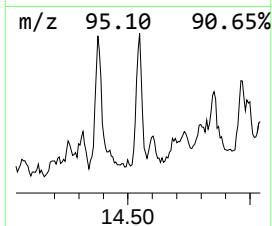
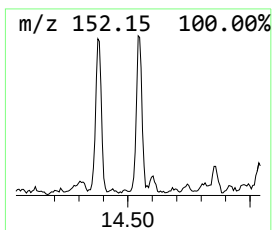
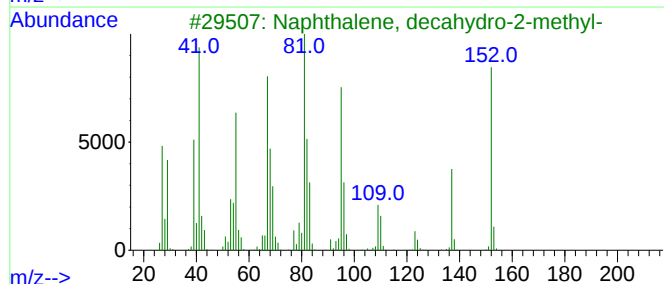
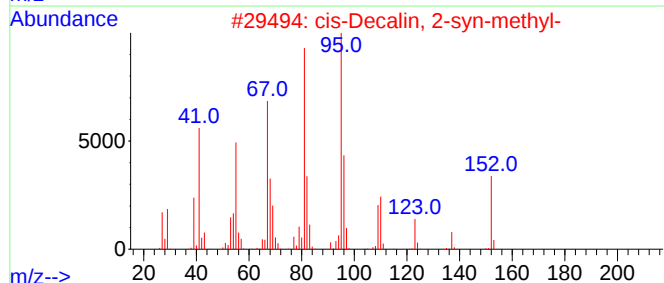
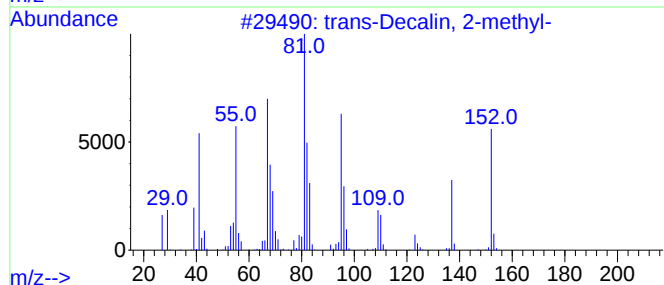
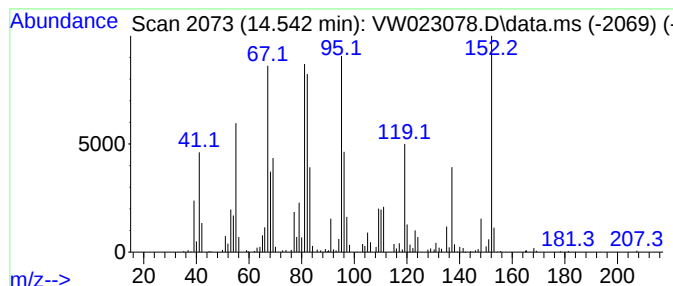
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Quant Title : SFAM01.0

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

Peak Number 48 trans-Decalin, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	20.05 ug/L	361006	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	86
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
4			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	64
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

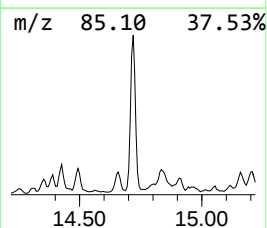
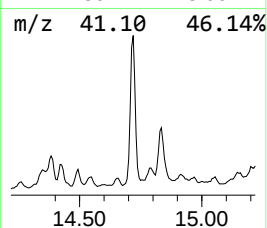
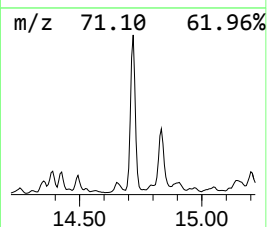
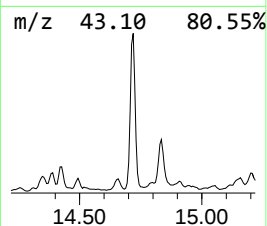
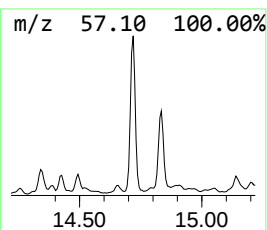
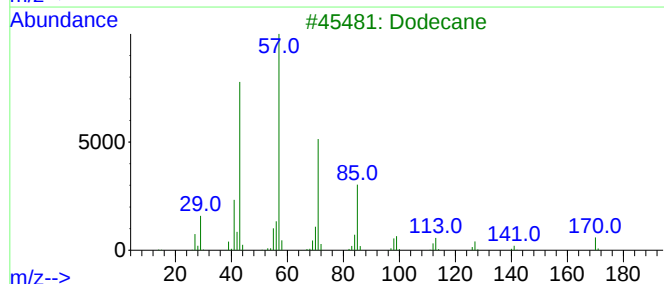
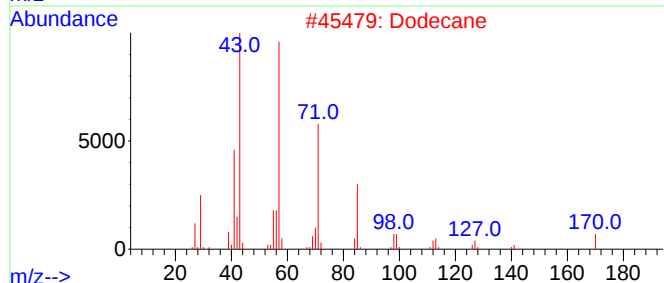
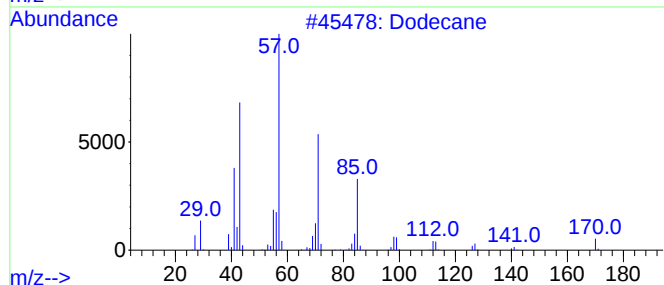
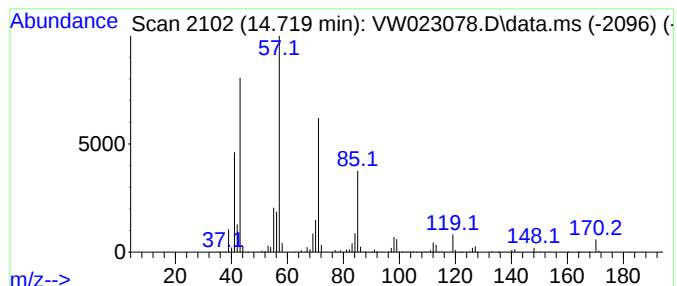
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	138.44 ug/L	2492180	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	96
2			Dodecane	170	C12H26	000112-40-3	94
3			Dodecane	170	C12H26	000112-40-3	91
4			Dodecane	170	C12H26	000112-40-3	87
5			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

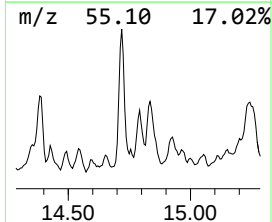
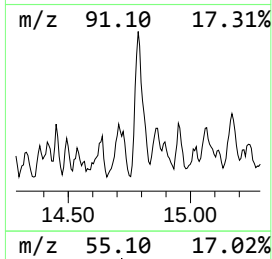
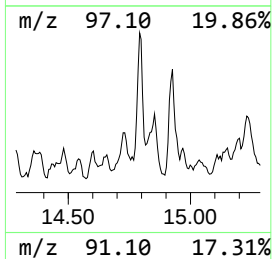
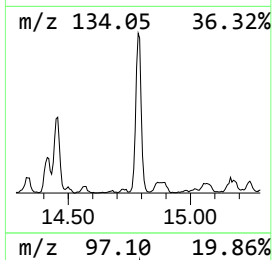
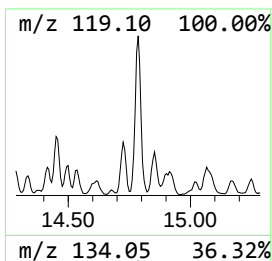
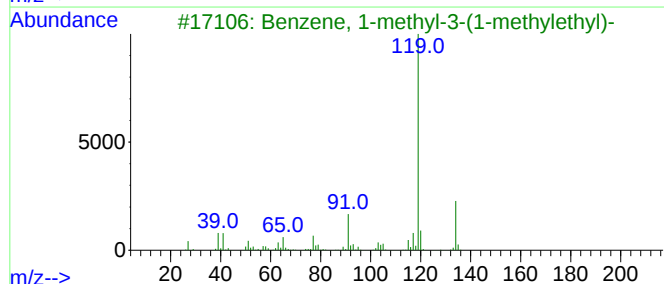
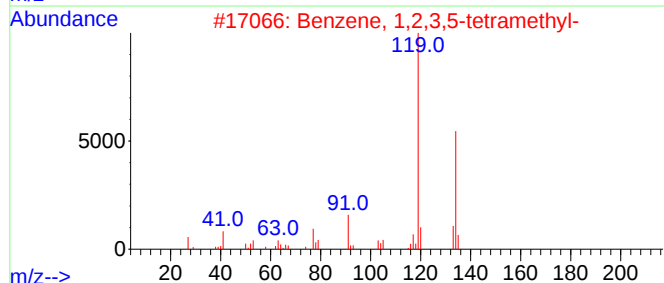
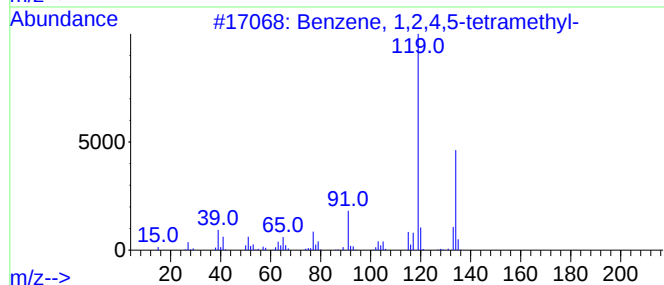
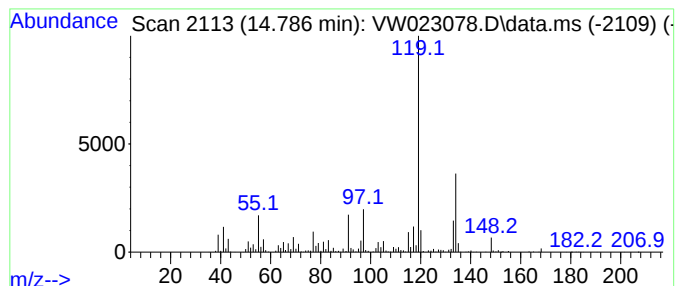
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	45.54 ug/L	819830	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	93
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

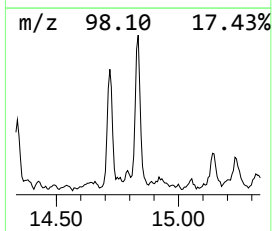
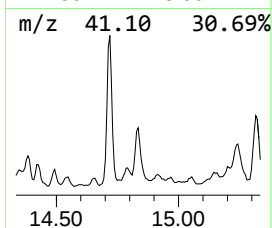
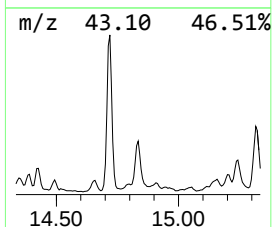
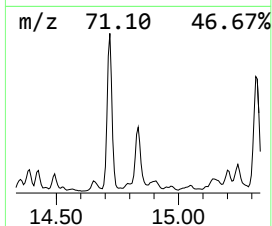
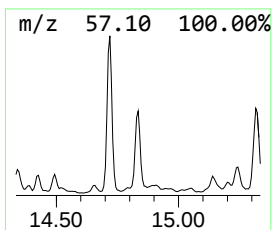
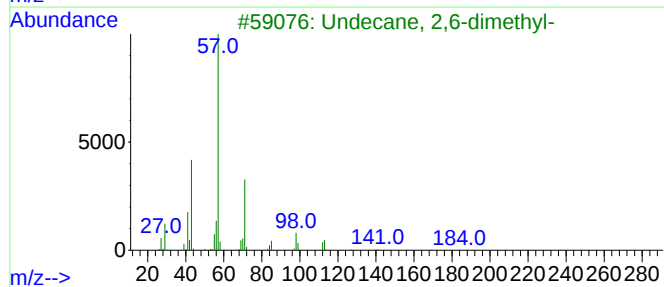
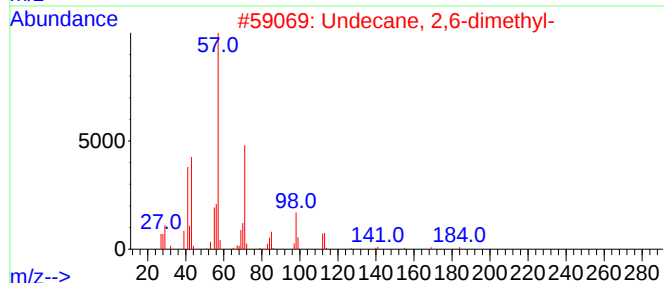
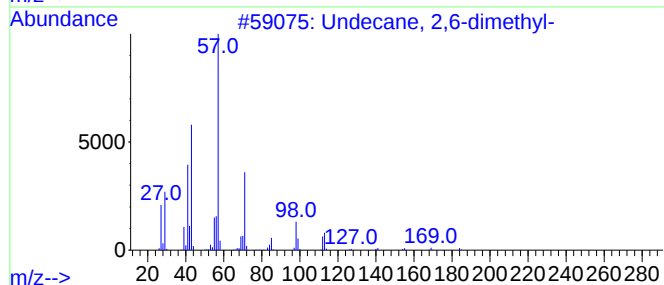
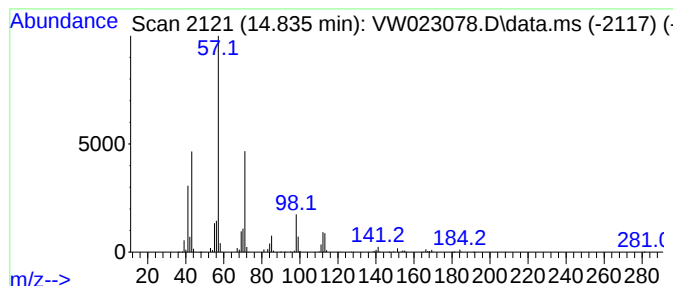
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.835	66.69 ug/L	1200590	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

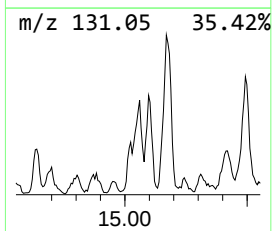
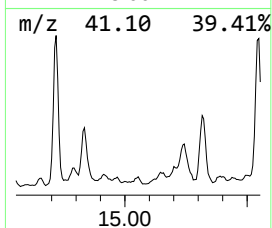
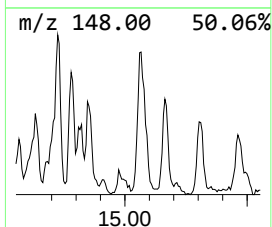
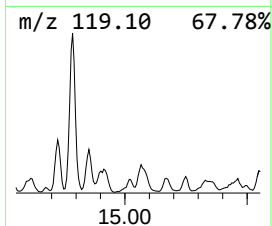
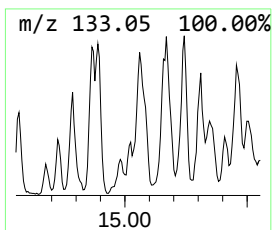
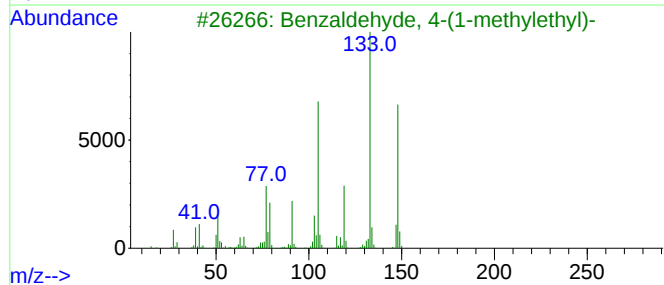
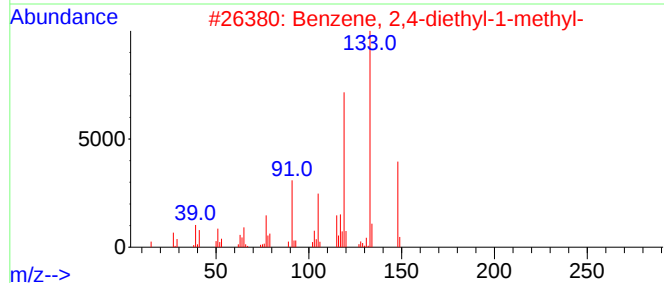
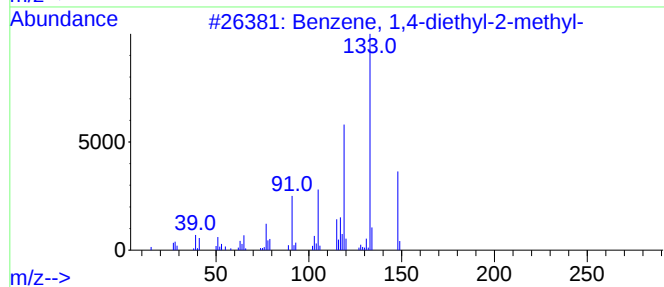
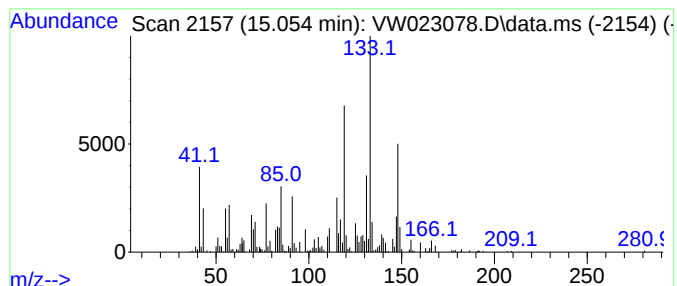
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Quant Title : SFAM01.0

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

Peak Number 52 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.054	8.99 ug/L	161782	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	76
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	68
3			Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	58
4			Benzene, pentamethyl-	148	C11H16	000700-12-9	52
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

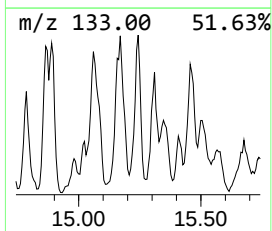
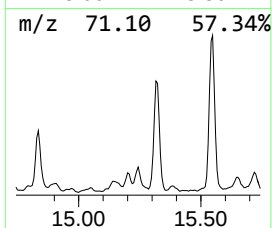
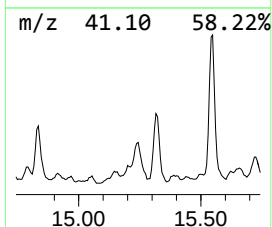
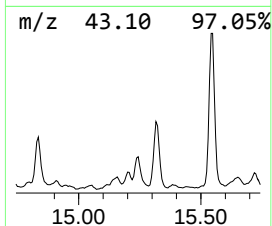
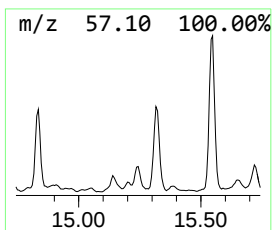
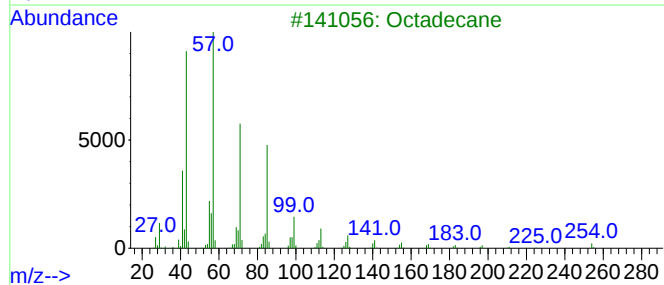
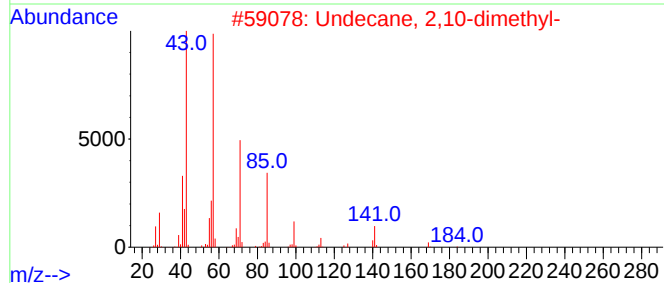
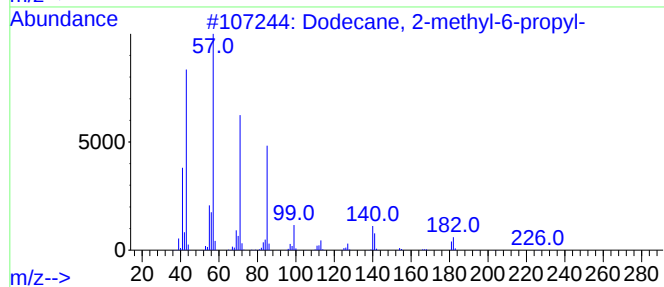
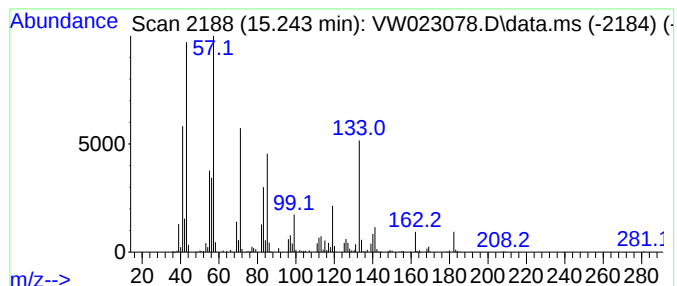
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Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	56.73 ug/L	1021330	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49
2			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	49
3			Octadecane	254	C18H38	000593-45-3	43
4			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	43
5			Decane, 1-iodo-	268	C10H21I	002050-77-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

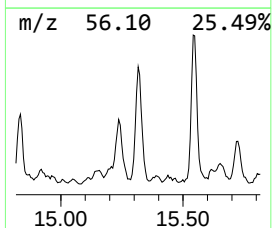
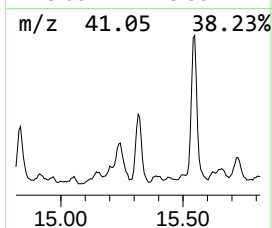
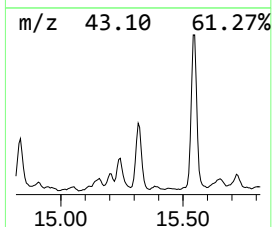
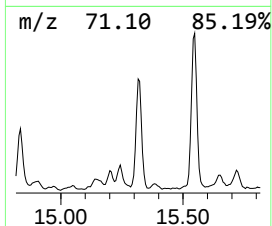
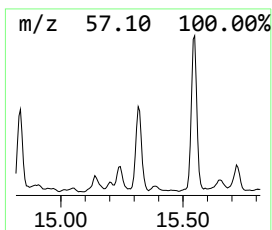
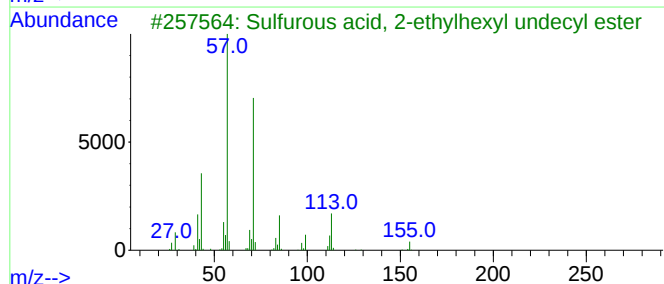
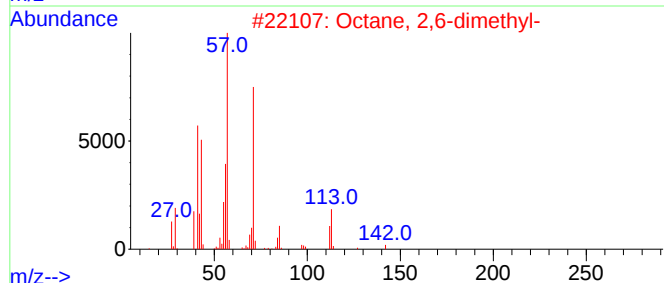
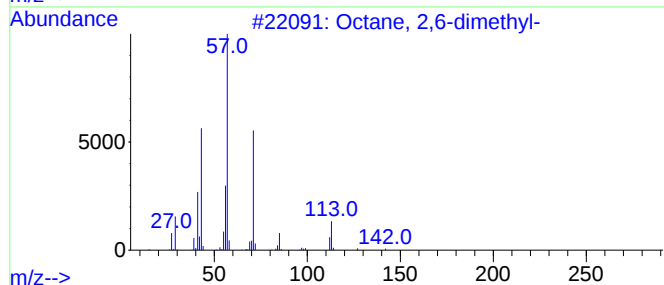
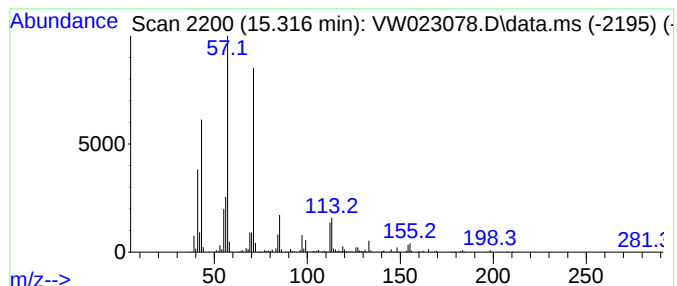
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	85.84 ug/L	1545350	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	86	
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	83	
3	Sulfurous acid, 2-ethylhexyl und...		348	C19H40O3S	1000309-19-4	72	
4	Sulfurous acid, dodecyl 2-ethylh...		362	C20H42O3S	1000309-19-5	72	
5	Tridecane, 7-methyl-		198	C14H30	026730-14-3	68	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

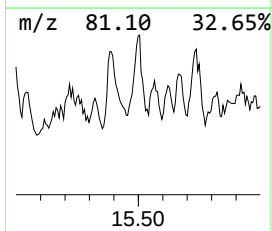
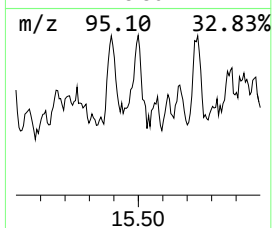
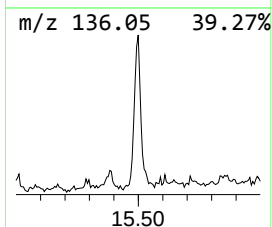
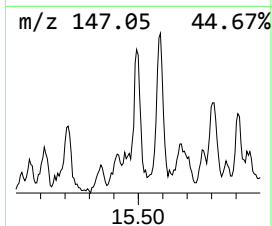
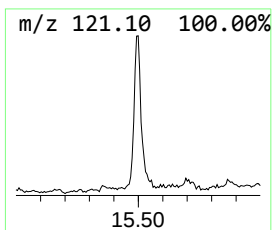
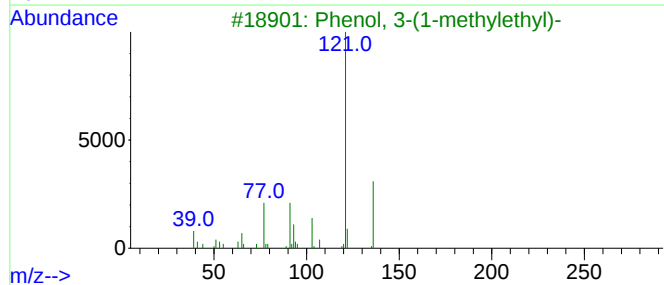
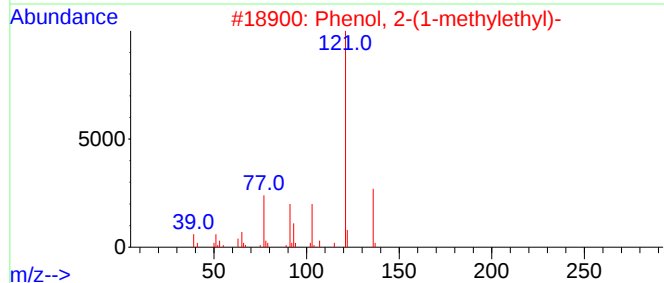
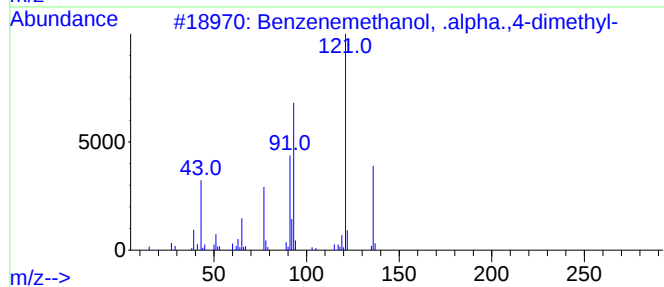
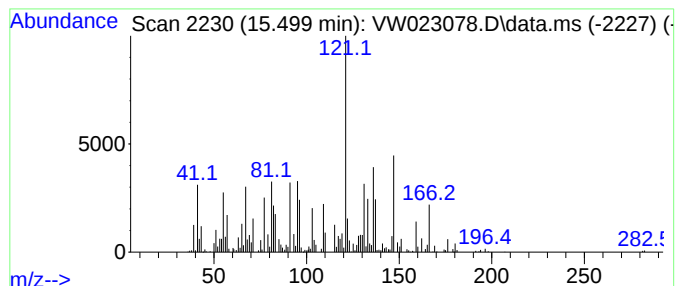
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Quant Title : SFAM01.0

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

Peak Number 55 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.499	11.09 ug/L	199727	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenemethanol, .alpha.,4-dimet...	136	C9H12O	000536-50-5	42
2			Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	41
3			Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	41
4			Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	41
5			p-Cumenol	136	C9H12O	000099-89-8	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

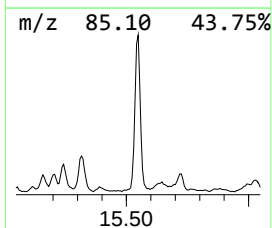
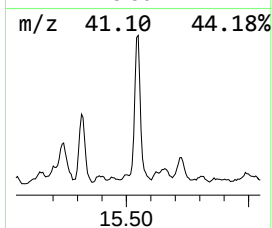
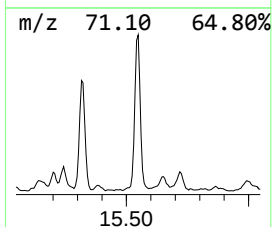
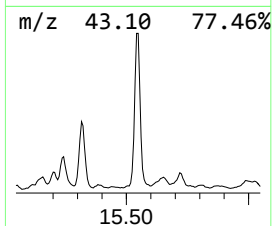
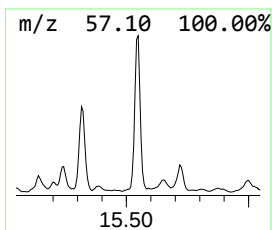
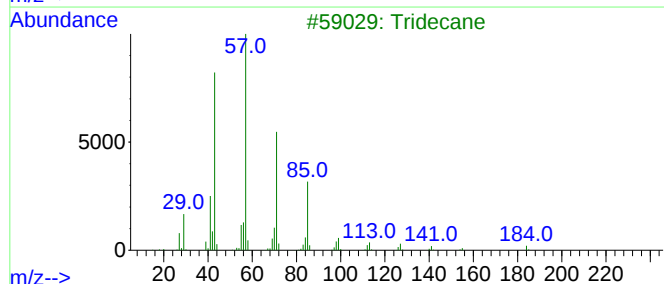
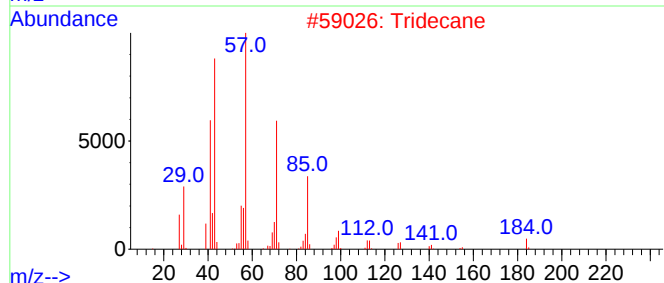
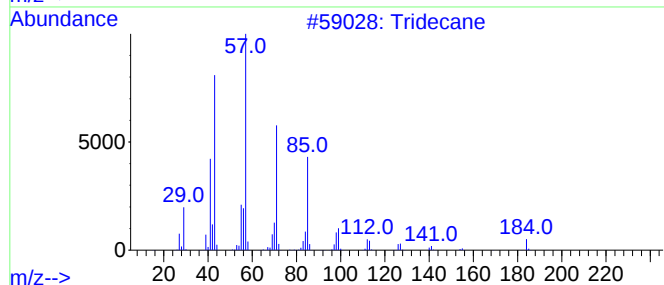
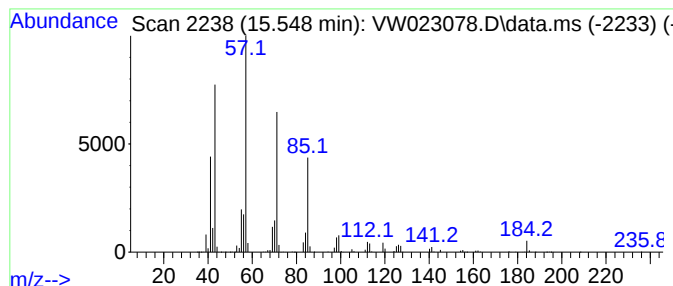
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Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	159.89 ug/L	2878410	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	98
2			Tridecane	184	C13H28	000629-50-5	96
3			Tridecane	184	C13H28	000629-50-5	87
4			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	86
5			Dodecane	170	C12H26	000112-40-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

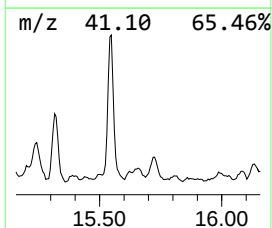
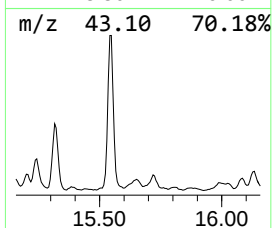
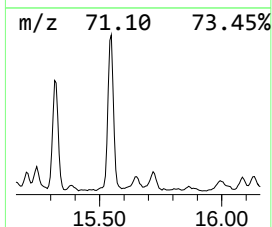
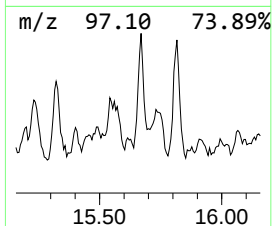
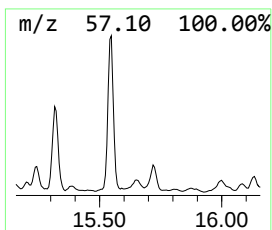
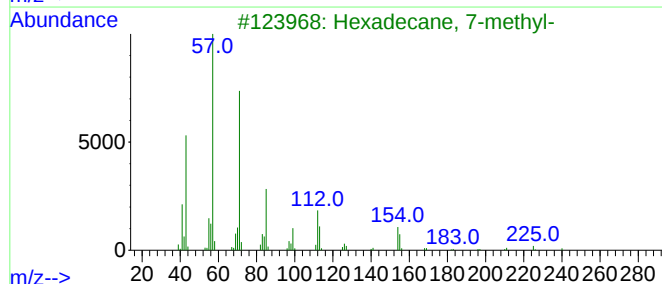
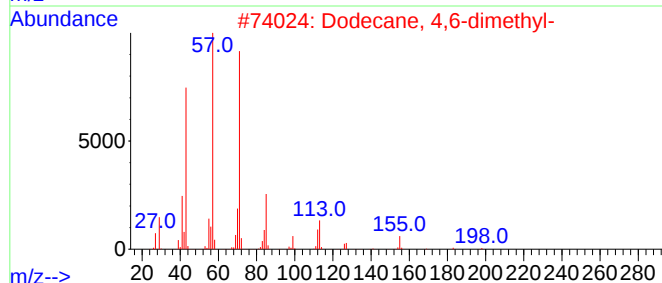
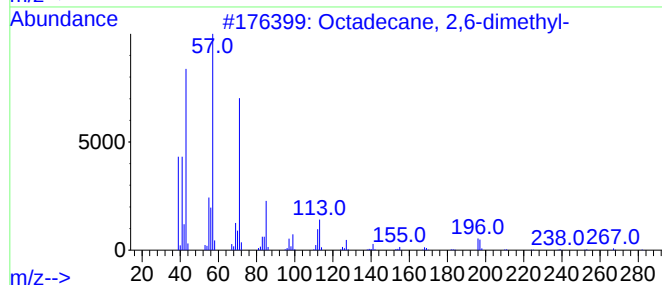
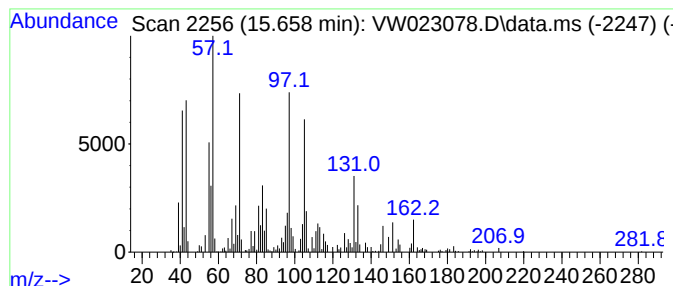
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Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.658	31.88 ug/L	573966	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	62
2			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	46
3			Hexadecane, 7-methyl-	240	C17H36	026730-20-1	38
4			Hexadecyl octyl ether	354	C24H50O	1000406-38-6	38
5			Tridecane, 7-methyl-	198	C14H30	026730-14-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

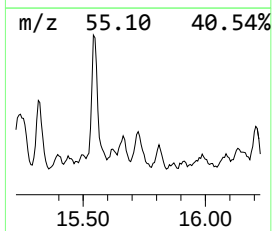
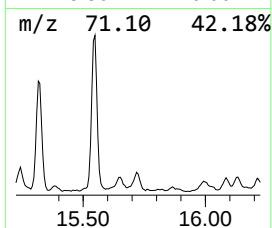
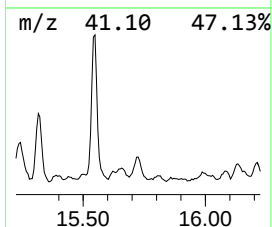
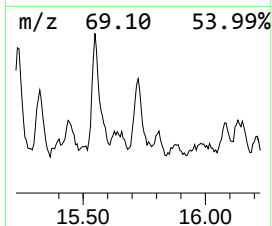
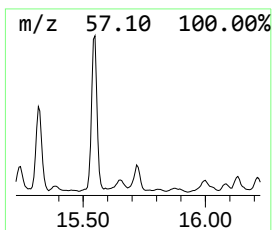
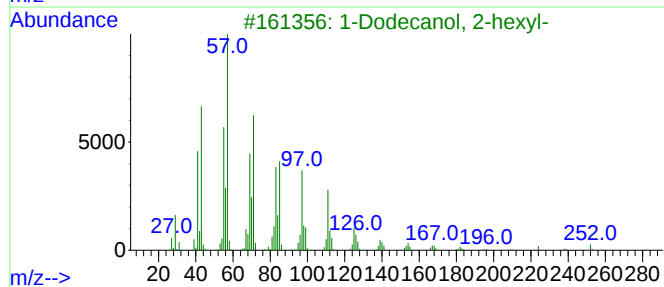
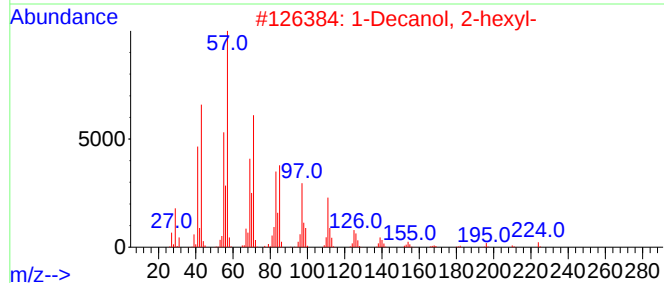
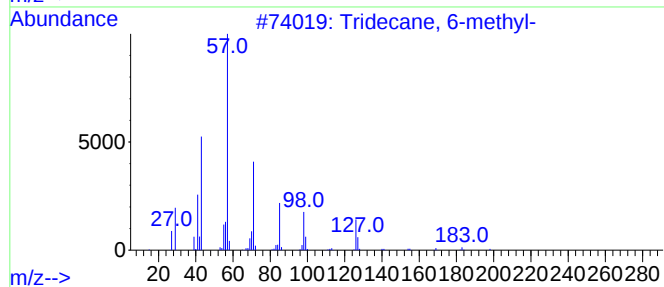
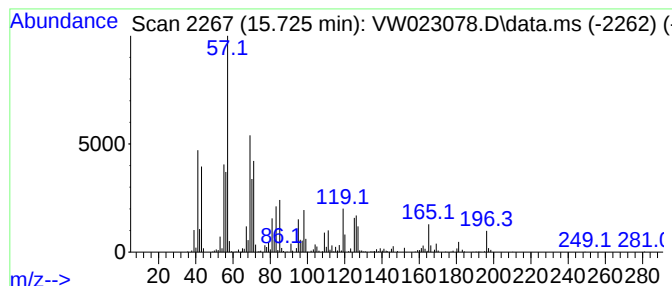
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Quant Title : SFAM01.0

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.725	31.53 ug/L	567703	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	60
2			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	43
3			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	38
4			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	38
5			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

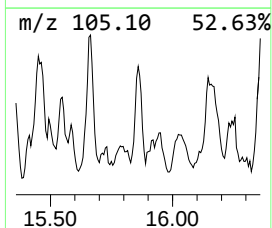
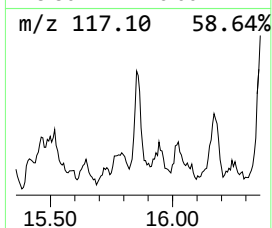
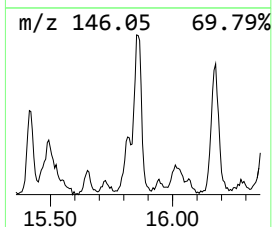
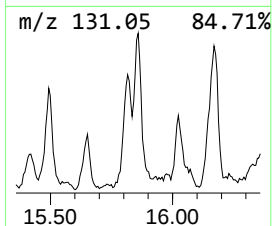
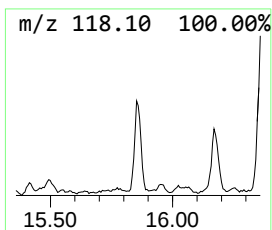
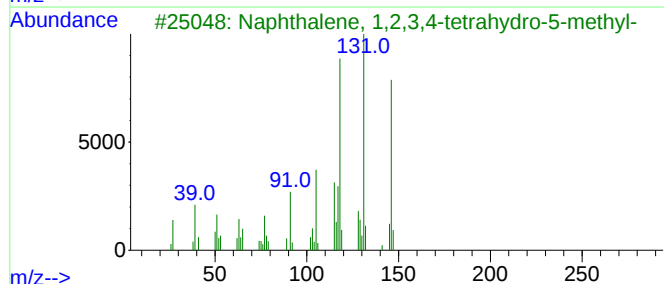
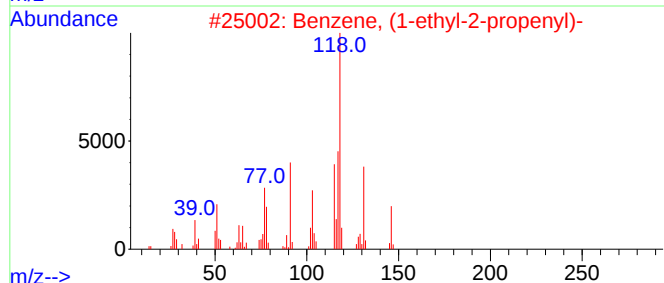
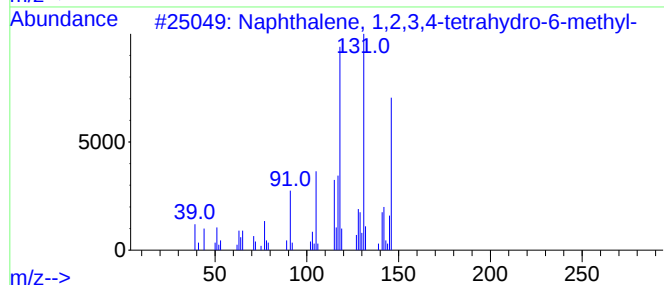
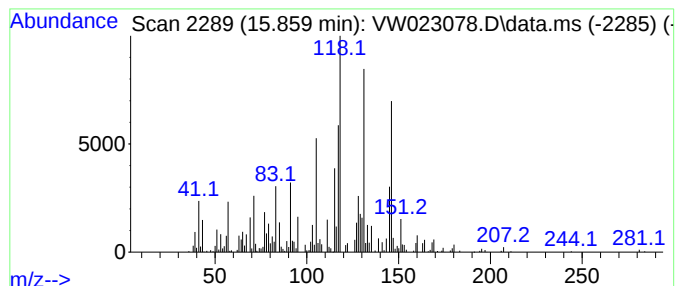
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Quant Title : SFAM01.0

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

Peak Number 59 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.859	13.14 ug/L	236609	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	81
2			Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	74
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
4			1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	58
5			2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

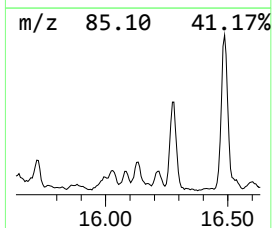
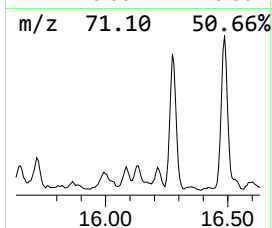
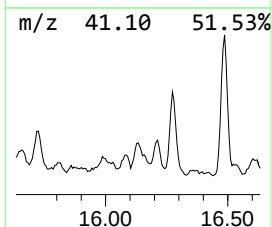
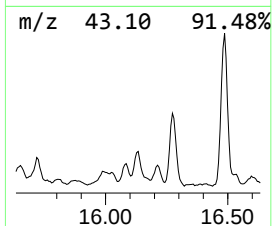
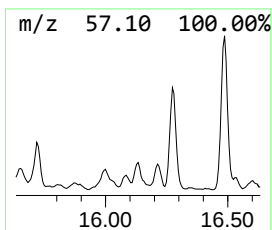
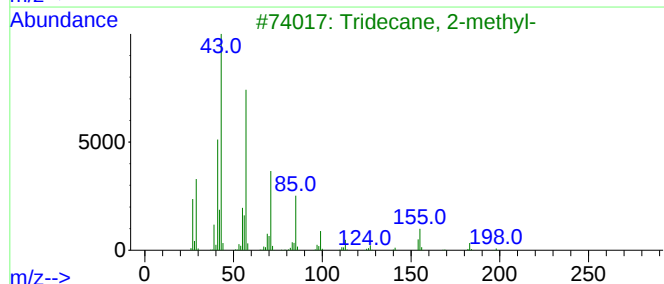
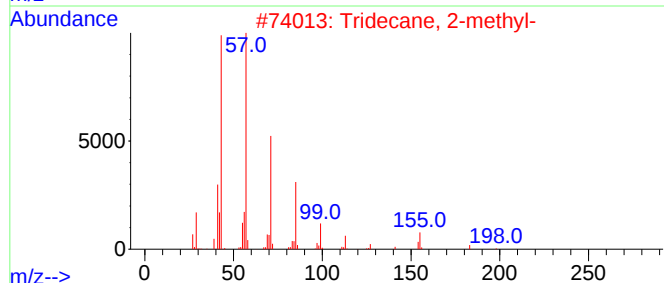
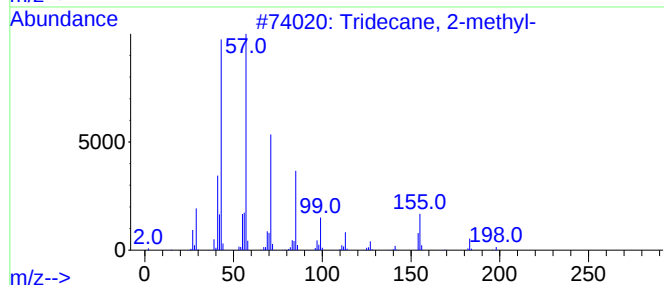
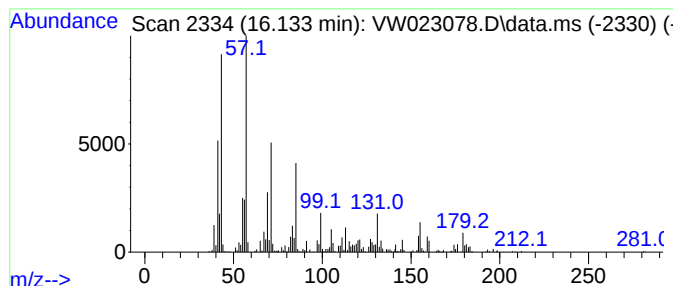
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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.133	16.94 ug/L	304930	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 2-methyl-	198	C14H30	001560-96-9	93
2			Tridecane, 2-methyl-	198	C14H30	001560-96-9	91
3			Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
4			Nonadecane, 2-methyl-	282	C20H42	001560-86-7	80
5			Octadecane, 2-methyl-	268	C19H40	001560-88-9	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

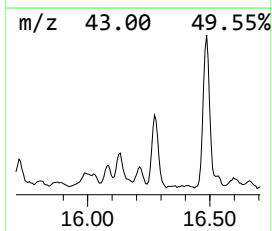
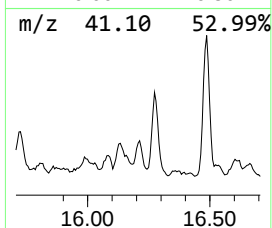
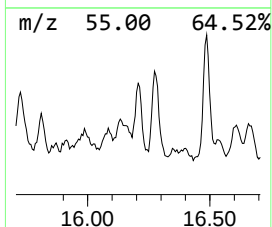
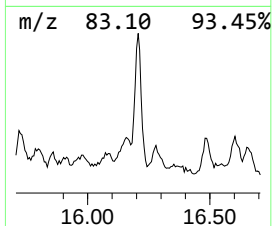
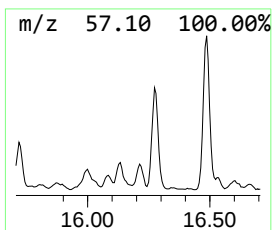
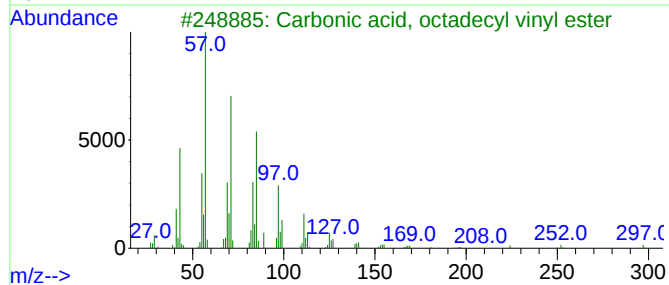
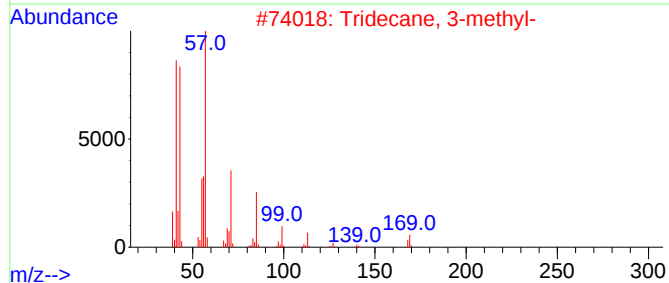
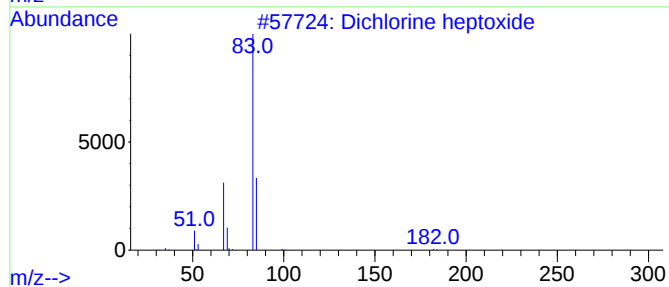
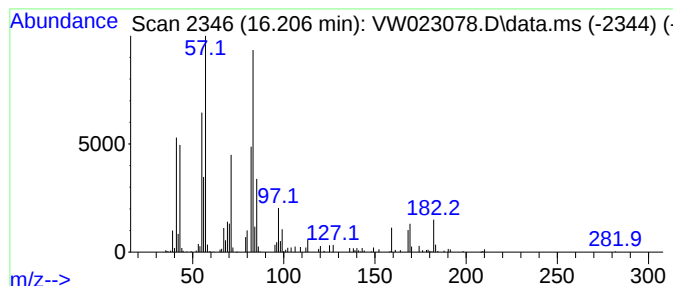
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Quant Title : SFAM01.0

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

Peak Number 61 unknown-07 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.206	17.15 ug/L	308661	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichlorine heptoxide	182	C12O7	012015-53-1	38
2			Tridecane, 3-methyl-	198	C14H30	006418-41-3	35
3			Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	30
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	30
5			Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

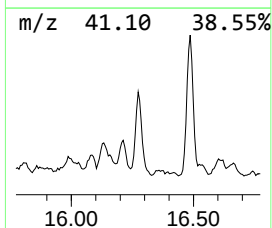
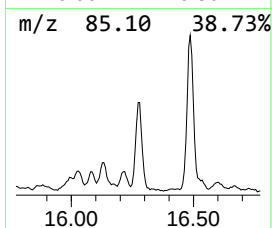
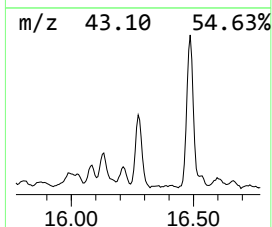
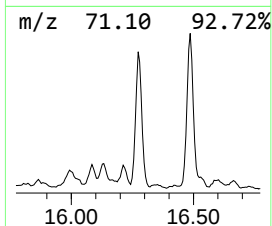
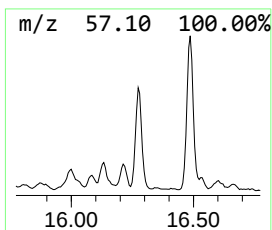
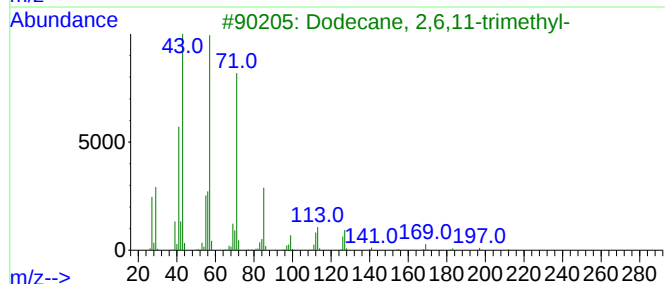
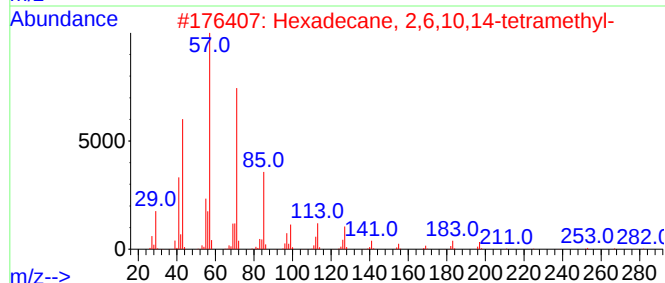
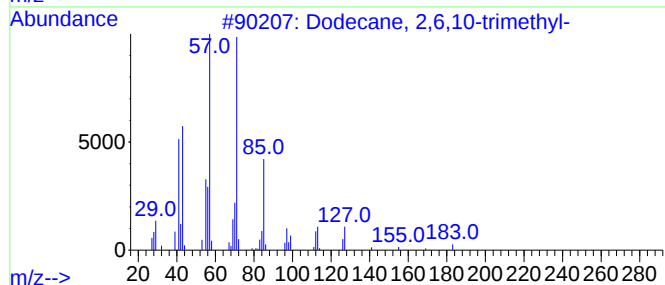
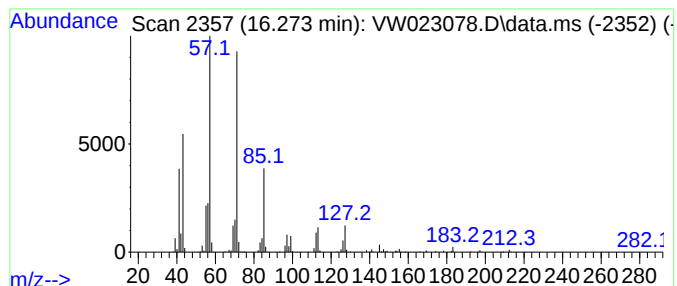
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.273	72.23 ug/L	1300380	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

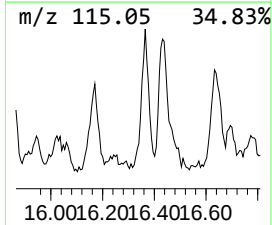
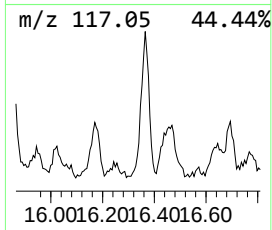
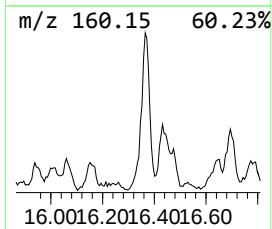
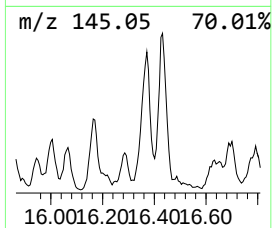
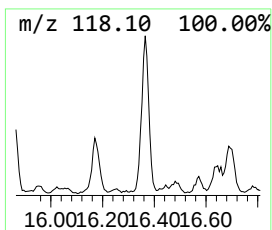
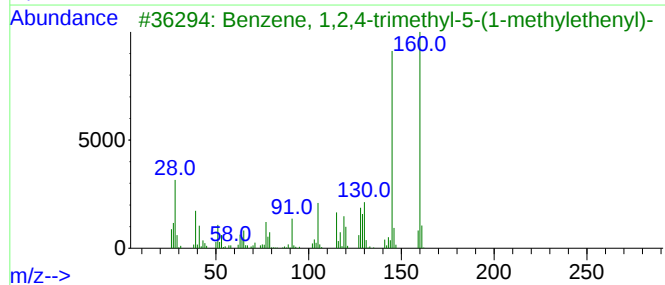
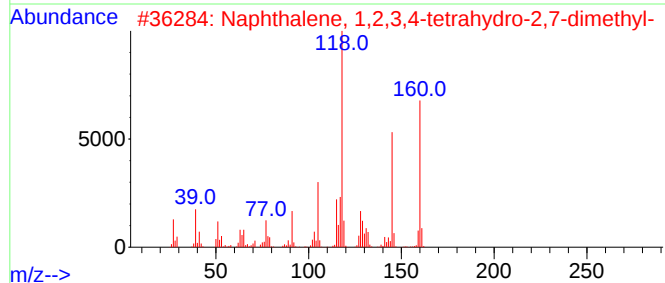
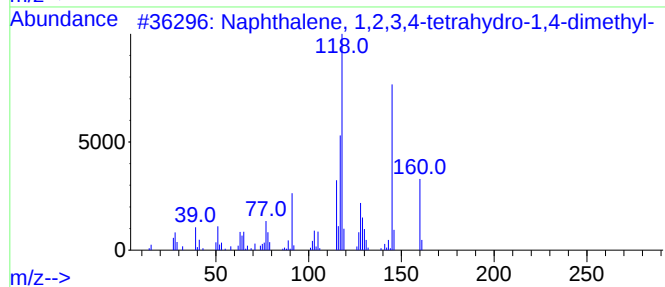
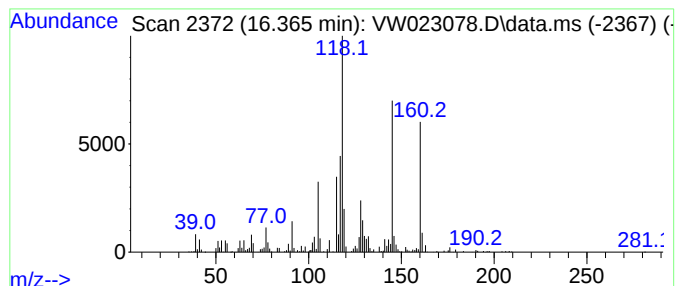
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Quant Title : SFAM01.0

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

Peak Number 63 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.365	25.25 ug/L	454602	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3			Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	64
4			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

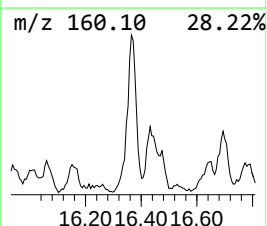
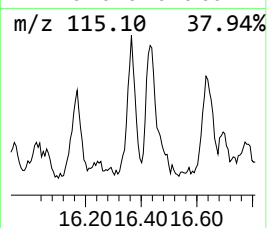
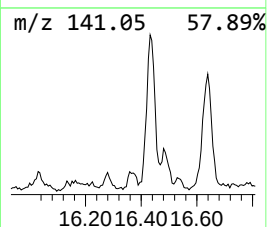
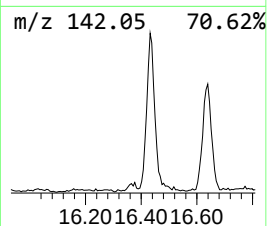
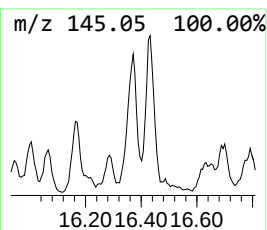
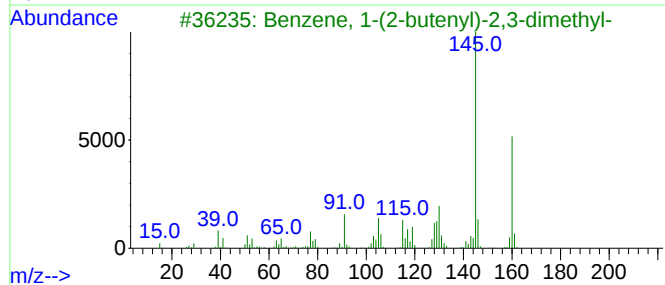
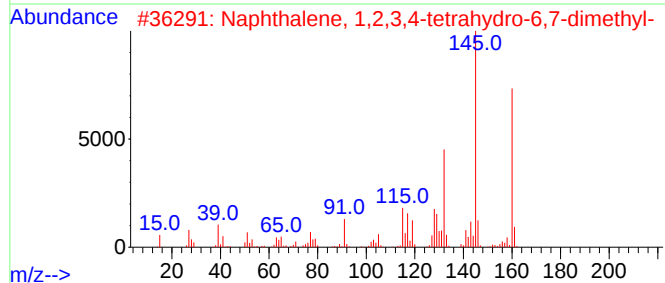
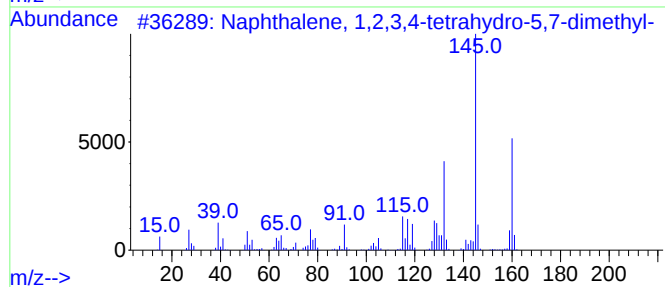
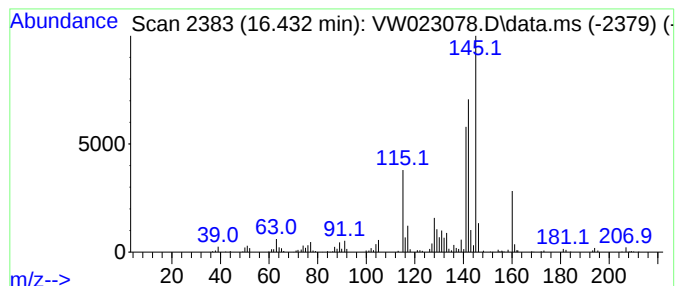
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Quant Title : SFAM01.0

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

Peak Number 64 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	10.46 ug/L	188372	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	58
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	58
3			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	52
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	49
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023078.D
Acq On : 17 May 2022 02:20
Operator : SY/VA
Sample : N2843-05
Misc : 5.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW4H5

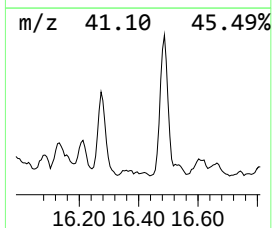
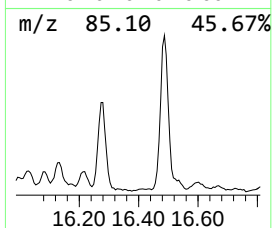
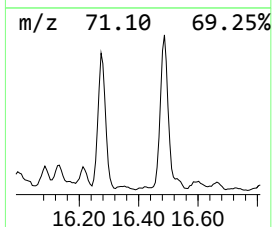
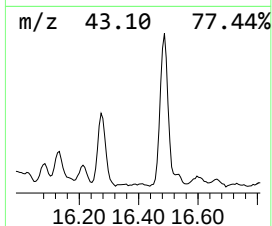
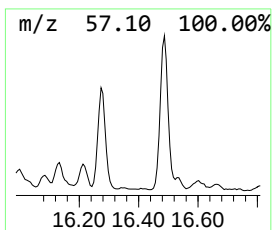
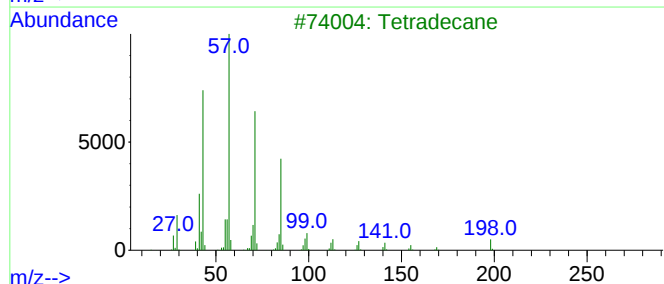
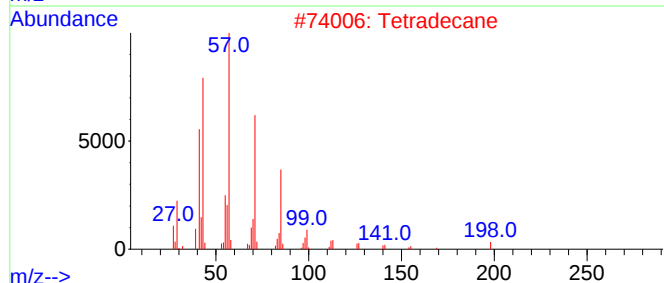
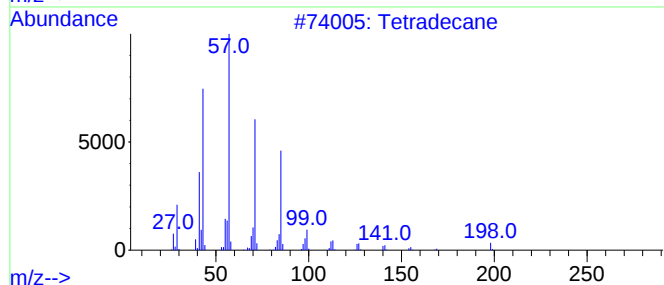
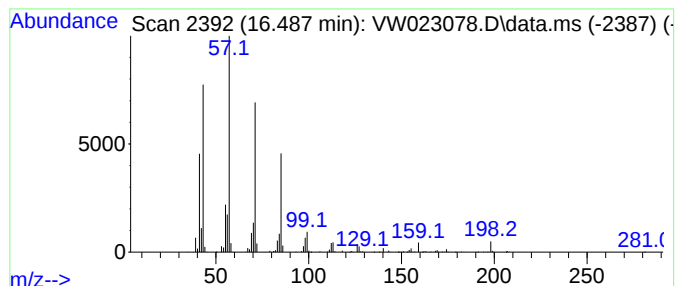
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.487	86.98 ug/L	1565880	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	97
2			Tetradecane	198	C14H30	000629-59-4	96
3			Tetradecane	198	C14H30	000629-59-4	93
4			Tridecane	184	C13H28	000629-50-5	87
5			Tridecane	184	C13H28	000629-50-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
 Data File : VW023078.D
 Acq On : 17 May 2022 02:20
 Operator : SY/VA
 Sample : N2843-05
 Misc : 5.53g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW4H5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	1.959	2.3	ug/L	54933	1	8.842	594916	25.0
Sulfur dioxide	2.239	5.4	ug/L	129442	1	8.842	594916	25.0
unknown-01	2.434	1.3	ug/L	31622	1	8.842	594916	25.0
(DEL) Alkane: S...	3.014	2.4	ug/L	58102	1	8.842	594916	25.0
(DEL) Alkane: S...	3.288	1.6	ug/L	38968	1	8.842	594916	25.0
(DEL) Alkane: C...	3.385	4.7	ug/L	112025	1	8.842	594916	25.0
(DEL) Alkane: S...	5.757	1.7	ug/L	39694	1	8.842	594916	25.0
2-Ethyl-oxetane	5.934	1.5	ug/L	34794	1	8.842	594916	25.0
unknown-02	8.573	1.8	ug/L	41604	1	8.842	594916	25.0
(DEL) Alkane: S...	9.067	2.7	ug/L	65177	1	8.842	594916	25.0
(DEL) Alkane: S...	10.098	2.1	ug/L	49218	1	8.842	594916	25.0
(DEL) Alkane: S...	10.500	2.4	ug/L	47959	2	11.634	508043	25.0
(DEL) Alkane: C...	11.177	1.7	ug/L	35295	2	11.634	508043	25.0
(DEL) Alkane: C...	11.226	1.7	ug/L	33638	2	11.634	508043	25.0
(DEL) Alkane: S...	11.408	3.1	ug/L	62112	2	11.634	508043	25.0
(DEL) Alkane: S...	11.512	1.7	ug/L	35187	2	11.634	508043	25.0
(DEL) Alkane: C...	11.921	1.3	ug/L	27330	2	11.634	508043	25.0
(DEL) Alkane: S...	12.250	5.9	ug/L	119394	2	11.634	508043	25.0
Carbonic acid, ...	12.359	12.6	ug/L	256886	2	11.634	508043	25.0
.alpha.-Pinene	12.469	14.2	ug/L	287815	2	11.634	508043	25.0
(DEL) Alkane: S...	12.536	5.7	ug/L	116109	2	11.634	508043	25.0
unknown-03	12.567	3.0	ug/L	61600	2	11.634	508043	25.0
(DEL) Alkane: C...	12.780	7.4	ug/L	133523	3	13.554	450060	25.0
Benzene, 1-ethy...	12.859	6.1	ug/L	109201	3	13.554	450060	25.0
(DEL) Alkane: C...	13.079	4.6	ug/L	83144	3	13.554	450060	25.0
(DEL) Alkane: S...	13.121	4.0	ug/L	72469	3	13.554	450060	25.0
(DEL) Alkane: S...	13.158	21.6	ug/L	388155	3	13.554	450060	25.0
(DEL) Alkane: S...	13.341	5.6	ug/L	101099	3	13.554	450060	25.0
(DEL) Alkane: C...	13.445	21.6	ug/L	389763	3	13.554	450060	25.0
(DEL) Alkane: S...	13.481	13.2	ug/L	238023	3	13.554	450060	25.0
(DEL) Alkane: S...	13.621	10.5	ug/L	188930	3	13.554	450060	25.0
(DEL) Alkane: C...	13.695	9.6	ug/L	173354	3	13.554	450060	25.0
Benzene, 1-meth...	13.743	4.0	ug/L	71605	3	13.554	450060	25.0
Benzene, 1,2-di...	13.792	5.7	ug/L	103238	3	13.554	450060	25.0
(DEL) Alkane: C...	13.914	10.0	ug/L	179615	3	13.554	450060	25.0
unknown-04	13.975	8.2	ug/L	146785	3	13.554	450060	25.0
(DEL) Alkane: S...	14.030	30.3	ug/L	545982	3	13.554	450060	25.0
Benzene, 4-ethy...	14.091	12.4	ug/L	224078	3	13.554	450060	25.0
(DEL) Alkane: S...	14.127	15.0	ug/L	269968	3	13.554	450060	25.0
Benzene, 1-meth...	14.194	21.5	ug/L	386465	3	13.554	450060	25.0
unknown-05	14.262	11.7	ug/L	210582	3	13.554	450060	25.0
2-Propyl-1-pent...	14.347	26.1	ug/L	470646	3	13.554	450060	25.0
(DEL) Alkane: C...	14.383	46.1	ug/L	829987	3	13.554	450060	25.0
(DEL) Alkane: S...	14.426	23.7	ug/L	426700	3	13.554	450060	25.0
(DEL) Alkane: S...	14.493	18.4	ug/L	332032	3	13.554	450060	25.0
trans-Decalin, ...	14.542	20.1	ug/L	361006	3	13.554	450060	25.0
(DEL) Alkane: S...	14.719	138.4	ug/L	2492180	3	13.554	450060	25.0
Benzene, 1,2,4,...	14.786	45.5	ug/L	819830	3	13.554	450060	25.0
(DEL) Alkane: S...	14.835	66.7	ug/L	1200590	3	13.554	450060	25.0
Benzene, 1,4-di...	15.054	9.0	ug/L	161782	3	13.554	450060	25.0
(DEL) Alkane: S...	15.243	56.7	ug/L	1021330	3	13.554	450060	25.0
(DEL) Alkane: S...	15.316	85.8	ug/L	1545350	3	13.554	450060	25.0

unknown-06	15.499	11.1	ug/L	199727	3	13.554	450060	25.0
(DEL) Alkane: S...	15.548	159.9	ug/L	2878410	3	13.554	450060	25.0
(DEL) Alkane: S...	15.658	31.9	ug/L	573966	3	13.554	450060	25.0
(DEL) Alkane: S...	15.725	31.5	ug/L	567703	3	13.554	450060	25.0
Naphthalene, 1,...	15.859	13.1	ug/L	236609	3	13.554	450060	25.0
(DEL) Alkane: S...	16.133	16.9	ug/L	304930	3	13.554	450060	25.0
unknown-07	16.206	17.1	ug/L	308661	3	13.554	450060	25.0
(DEL) Alkane: S...	16.273	72.2	ug/L	1300380	3	13.554	450060	25.0
Naphthalene, 1,...	16.365	25.3	ug/L	454602	3	13.554	450060	25.0
Naphthalene, 1,...	16.432	10.5	ug/L	188372	3	13.554	450060	25.0
(DEL) Alkane: S...	16.487	87.0	ug/L	1565880	3	13.554	450060	25.0

Instrument :

MSVOA_W

ClientSampleId :

EW4H5