

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019885.D
 Acq On : 24 Aug 2021 19:17
 Operator : SY/VA
 Sample : M3526-04
 Misc : 5.23g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7B6

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\SFAMWLM081821SMA.M
 Title : SFAM01.0

Signal : TIC: VW019885.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	64	75	84	rBV	152642	381673	0.13%	0.009%
2	2.898	156	163	177	rVB	89543	231365	0.08%	0.006%
3	3.038	177	186	202	rVB	201557	540757	0.19%	0.013%
4	3.398	237	245	256	rBV3	24262	70740	0.02%	0.002%
5	3.861	311	321	329	rBV2	14994	48667	0.02%	0.001%
6	4.032	336	349	357	rBV	172175	577189	0.20%	0.014%
7	4.123	357	364	395	rVB2	106228	426309	0.15%	0.010%
8	4.916	476	494	528	rBV2	438798	2093128	0.73%	0.051%
9	5.452	564	582	609	rBV	352854	1440269	0.50%	0.035%
10	5.946	654	663	677	rVB3	22457	72409	0.03%	0.002%
11	6.312	712	723	730	rBV4	10346	38961	0.01%	0.001%
12	6.726	775	791	806	rBV	513431	2136625	0.75%	0.053%
13	6.885	806	817	843	rVV	1697480	6656550	2.33%	0.164%
14	7.080	843	849	855	rVV	53901	144945	0.05%	0.004%
15	7.177	855	865	886	rVB	163681	646165	0.23%	0.016%
16	7.537	912	924	930	rBV5	8167	26615	0.01%	0.001%
17	7.653	932	943	946	rBV	318658	782452	0.27%	0.019%
18	7.708	946	952	971	rVB	591197	1970352	0.69%	0.048%
19	7.860	971	977	983	rVB2	11910	25130	0.01%	0.001%
20	7.964	983	994	997	rBV	169000	414804	0.14%	0.010%
21	8.043	997	1007	1023	rVV	8728313	25201072	8.81%	0.620%
22	8.159	1023	1026	1028	rVV2	69916	115592	0.04%	0.003%
23	8.232	1029	1038	1060	rVB3	2554227	9245243	3.23%	0.227%
24	8.439	1060	1072	1079	rBV2	10535086	30908066	10.80%	0.760%
25	8.512	1079	1084	1090	rVV2	7685361	20093775	7.02%	0.494%
26	8.580	1090	1095	1111	rVV	6657920	17657290	6.17%	0.434%
27	8.701	1112	1115	1130	rVB4	37911	86601	0.03%	0.002%
28	8.842	1130	1138	1151	rBV	671129	1532691	0.54%	0.038%
29	9.073	1170	1176	1181	rBV2	142014	287637	0.10%	0.007%
30	9.159	1181	1190	1203	rVB	1424582	3709309	1.30%	0.091%
31	9.311	1203	1215	1225	rBV3	25437862	98997043	34.59%	2.435%
32	9.390	1225	1228	1238	rVV	11634918	24845468	8.68%	0.611%
33	9.476	1238	1242	1247	rVV	271097	441454	0.15%	0.011%
34	9.616	1253	1265	1279	rVB	35876556	93157146	32.55%	2.291%
35	9.762	1279	1289	1301	rBV2	40081488	92992233	32.49%	2.287%
36	9.909	1301	1313	1316	rBV	11625756	24715645	8.64%	0.608%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Title : SFAM01.0

37	9.951	1316	1320	1331	rVB	12842955	28229815	9.86%	0.694%
38	10.085	1334	1342	1347	rBV	17339098	39713978	13.88%	0.977%
39	10.134	1347	1350	1358	rVB	9863011	19775725	6.91%	0.486%
40	10.226	1358	1365	1375	rBV4	10684227	37129299	12.97%	0.913%
41	10.329	1375	1382	1396	rVB	38860761	98003944	34.25%	2.410%
42	10.451	1396	1402	1405	rBV2	9723108	18459586	6.45%	0.454%
43	10.506	1405	1411	1421	rVB3	23731689	69233624	24.19%	1.703%
44	10.634	1421	1432	1435	rBV	36331227	78567203	27.45%	1.932%
45	10.677	1435	1439	1447	rVB	45542544	96931533	33.87%	2.384%
46	10.768	1447	1454	1459	rBV4	21017706	50909236	17.79%	1.252%
47	10.811	1459	1461	1465	rVB2	3258863	3876638	1.35%	0.095%
48	10.854	1465	1468	1474	rVB	14360733	25772611	9.01%	0.634%
49	10.914	1474	1478	1489	rVB4	5487925	16528179	5.78%	0.406%
50	11.055	1490	1501	1508	rBV3	27303419	88845306	31.04%	2.185%
51	11.152	1508	1517	1520	rBV3	15223518	44655434	15.60%	1.098%
52	11.238	1526	1531	1539	rBV4	56137582	172589736	60.31%	4.244%
53	11.299	1539	1541	1544	rVV	17047209	24068938	8.41%	0.592%
54	11.347	1544	1549	1554	rVV3	53070675	126216010	44.10%	3.104%
55	11.390	1554	1556	1561	rVB2	18995782	28960167	10.12%	0.712%
56	11.451	1561	1566	1573	rVB	47706253	97904757	34.21%	2.408%
57	11.518	1573	1577	1582	rBV	12763073	21423242	7.49%	0.527%
58	11.573	1582	1586	1592	rBV4	5981298	12708263	4.44%	0.313%
59	11.677	1598	1603	1608	rBV	16642763	33630295	11.75%	0.827%
60	11.774	1614	1619	1623	rBV	31004844	60221055	21.04%	1.481%
61	11.823	1623	1627	1633	rVB4	25499470	50860531	17.77%	1.251%
62	11.890	1633	1638	1641	rBV4	35277046	74160034	25.91%	1.824%
63	11.987	1649	1654	1661	rBV3	31707976	78833389	27.55%	1.939%
64	12.079	1666	1669	1674	rVB2	18345041	30946272	10.81%	0.761%
65	12.152	1674	1681	1688	rBV4	58770933	183114960	63.99%	4.503%
66	12.365	1702	1716	1720	rBV6	62500949	262723154	91.80%	6.461%
67	12.524	1731	1742	1755	rVB8	57463872	286183324	100.00%	7.038%
68	12.640	1755	1761	1766	rVB2	30355538	54533433	19.06%	1.341%
69	12.719	1766	1774	1778	rBV5	38501962	110889210	38.75%	2.727%
70	12.798	1778	1787	1793	rVB6	62442646	200015617	69.89%	4.919%
71	12.878	1793	1800	1804	rBV5	45864350	117707934	41.13%	2.895%
72	12.957	1804	1813	1819	rBV7	41545432	167983857	58.70%	4.131%
73	13.097	1827	1836	1839	rBV6	34719808	83648378	29.23%	2.057%
74	13.140	1840	1843	1846	rVV3	16636209	25814593	9.02%	0.635%
75	13.182	1847	1850	1861	rVB8	29594660	82531097	28.84%	2.030%
76	13.280	1862	1866	1867	rBV2	20704256	29520876	10.32%	0.726%

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77	13.359	1876	1879	1882	rBV	12903280	17152680	5.99%	0.422%
78	13.457	1889	1895	1900	rBV5	31710100	84138488	29.40%	2.069%
79	13.640	1922	1925	1930	rBV4	7048162	11474975	4.01%	0.282%
80	13.713	1930	1937	1941	rBV3	32751460	68496955	23.93%	1.684%
81	13.890	1960	1966	1970	rBV2	44470880	93451001	32.65%	2.298%
82	13.987	1977	1982	1984	rBV3	16019062	26771525	9.35%	0.658%
83	14.024	1985	1988	1992	rVB	16616560	23601625	8.25%	0.580%
84	14.194	2012	2016	2020	rBV6	5139279	9997153	3.49%	0.246%
85	14.268	2025	2028	2034	rVV4	8343963	13638492	4.77%	0.335%
86	14.322	2034	2037	2041	rVB3	5552908	7705202	2.69%	0.189%
87	14.389	2043	2048	2053	rVB2	29551265	43940823	15.35%	1.081%
88	14.554	2069	2075	2080	rBV3	19993699	32316877	11.29%	0.795%
89	14.603	2080	2083	2088	rVB4	3336445	5136107	1.79%	0.126%
90	14.737	2102	2105	2110	rVV4	2142770	3463481	1.21%	0.085%
91	14.792	2110	2114	2120	rVV3	5017277	8848329	3.09%	0.218%
92	14.853	2121	2124	2132	rVB5	4283051	7498480	2.62%	0.184%
93	14.926	2132	2136	2139	rBV3	1052734	1489517	0.52%	0.037%
94	14.969	2140	2143	2146	rBV	1390426	1800587	0.63%	0.044%
95	15.170	2172	2176	2181	rVB4	966393	1825456	0.64%	0.045%
96	15.322	2197	2201	2208	rVB4	1408042	2646043	0.92%	0.065%
97	15.401	2208	2214	2219	rBV7	562647	1509638	0.53%	0.037%
98	15.499	2227	2230	2237	rVB6	686327	1425512	0.50%	0.035%
99	15.566	2238	2241	2247	rVB5	291424	587846	0.21%	0.014%
100	15.731	2263	2268	2276	rVB6	413354	896749	0.31%	0.022%

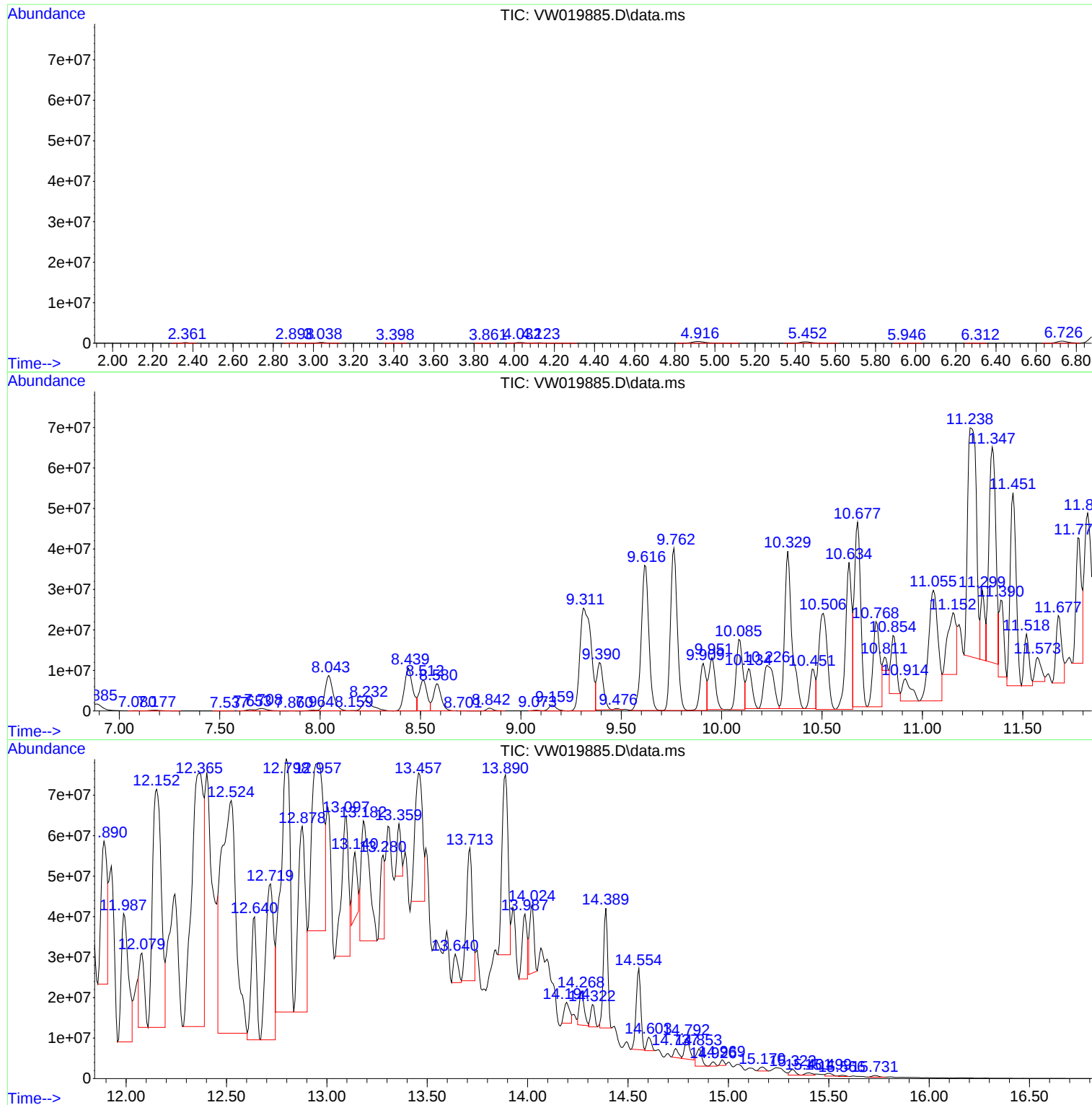
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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



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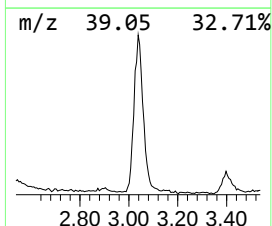
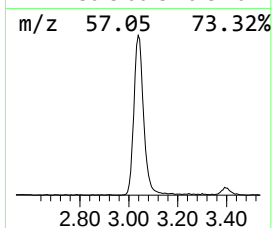
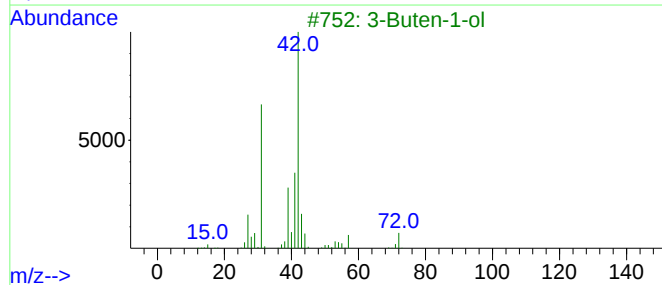
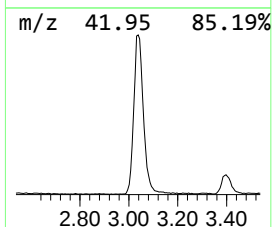
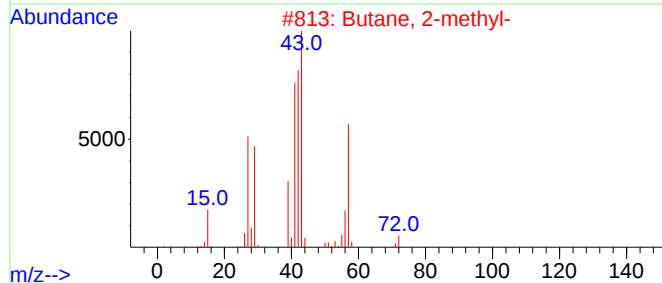
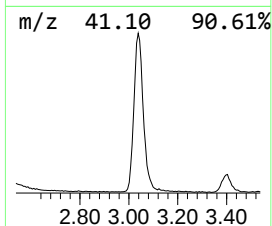
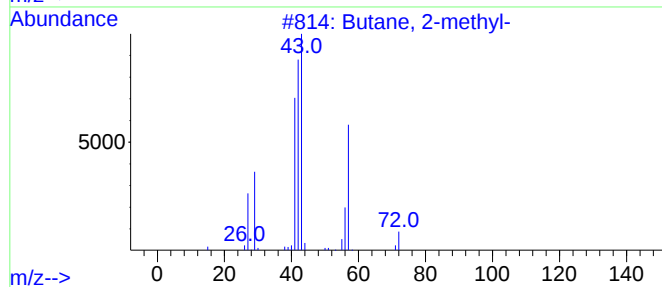
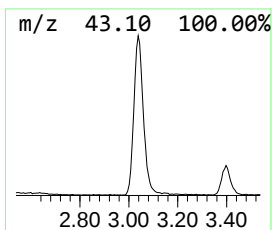
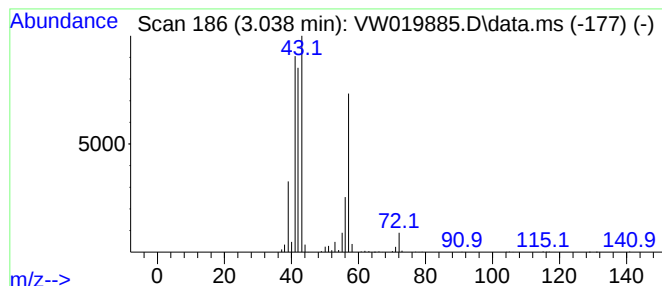
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.038	8.82 ug/L	540757	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-			72	C5H12	000078-78-4	87
2	Butane, 2-methyl-			72	C5H12	000078-78-4	86
3	3-Buten-1-ol			72	C4H8O	000627-27-0	43
4	Pentane			72	C5H12	000109-66-0	42
5	Pentane			72	C5H12	000109-66-0	33



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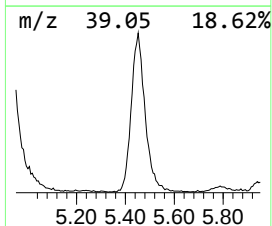
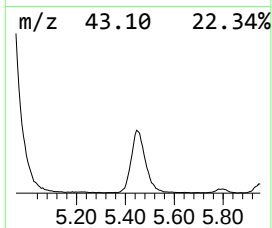
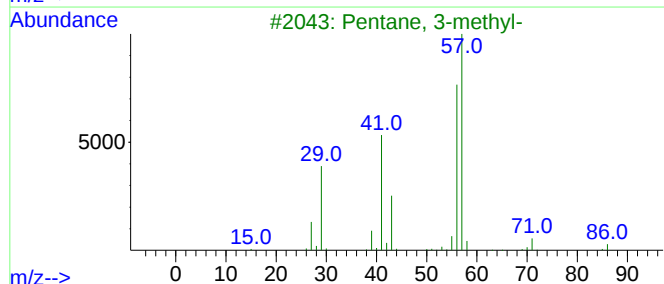
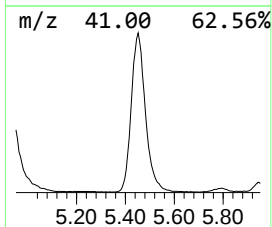
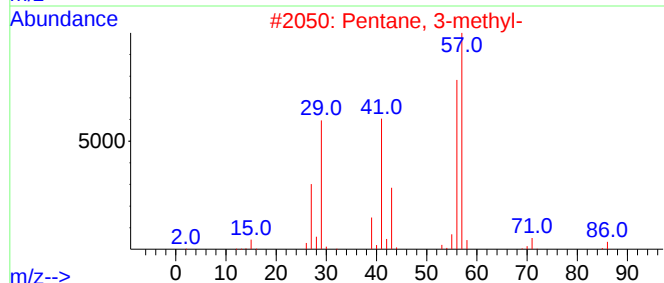
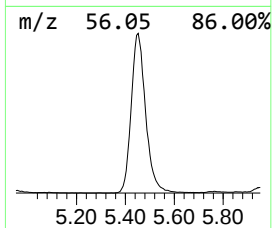
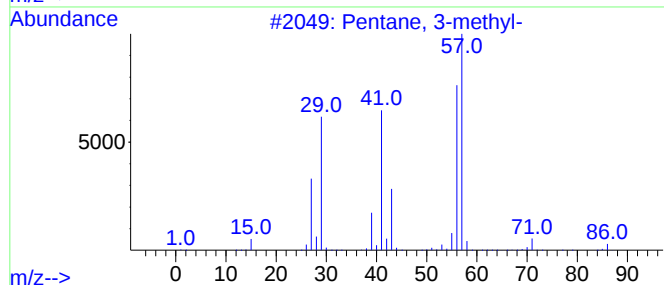
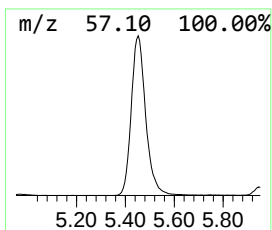
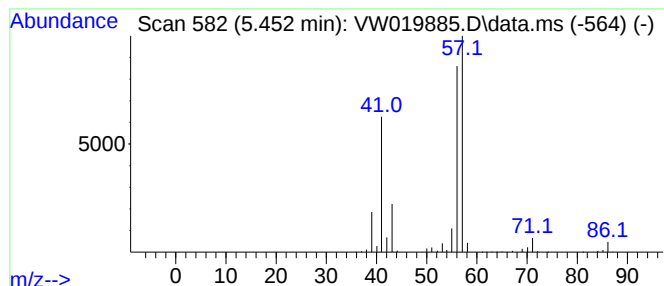
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.452	23.49 ug/L	1440270	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3		Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64



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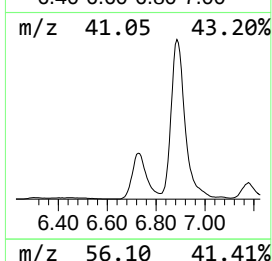
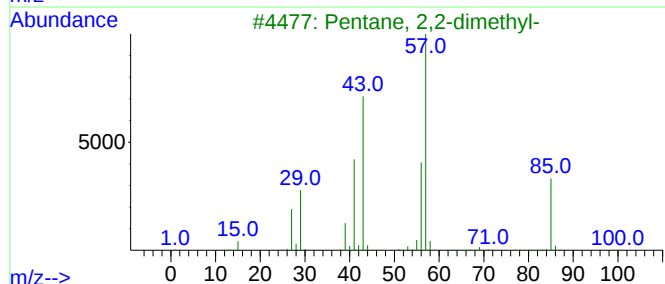
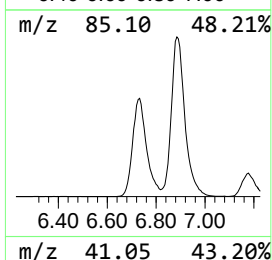
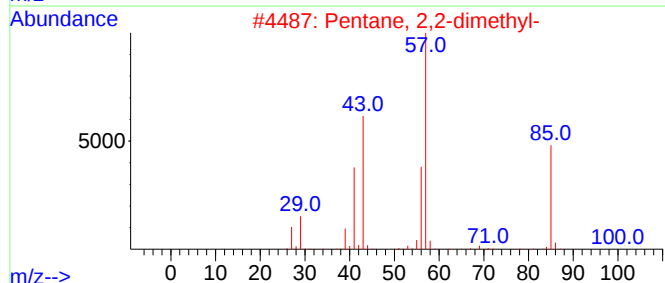
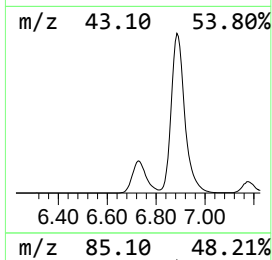
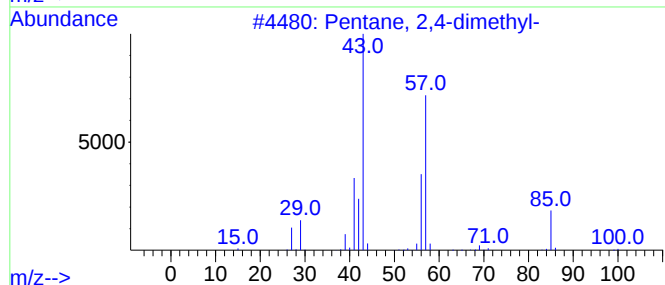
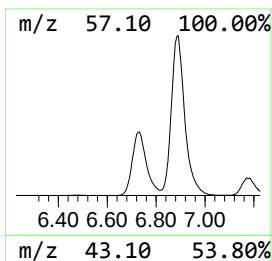
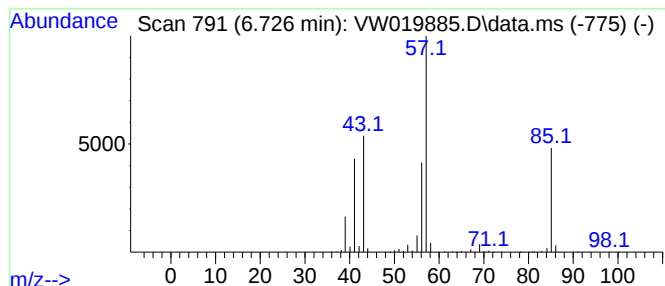
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.726	34.85 ug/L	2136630	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
4			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
5			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

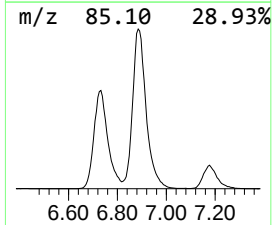
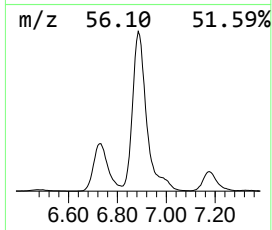
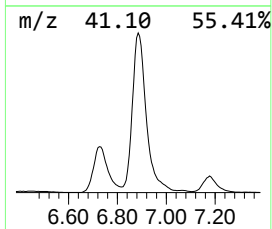
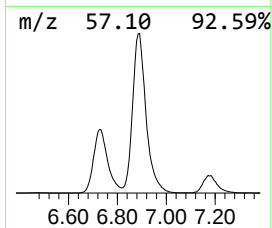
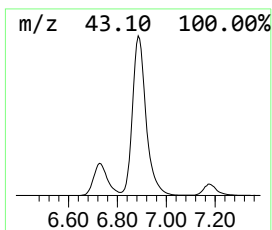
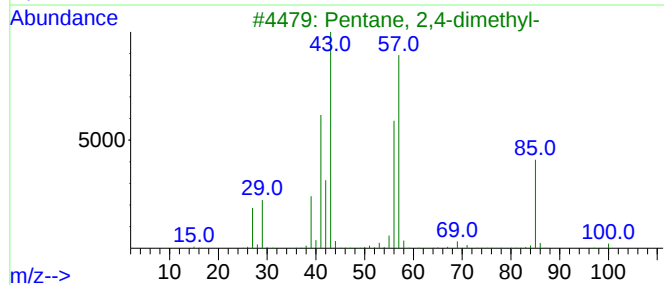
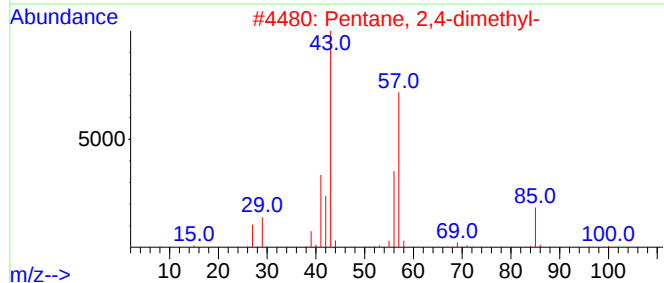
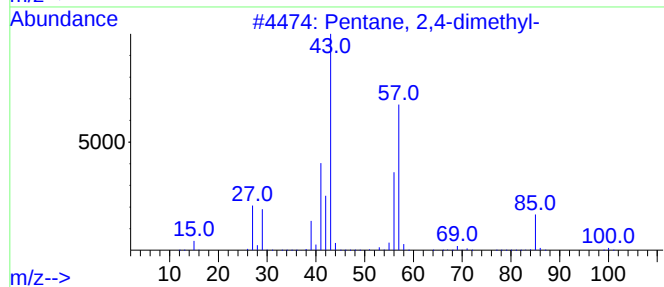
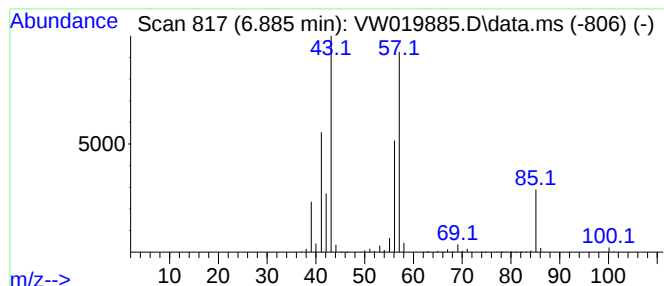
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.885	108.58 ug/L	6656550	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

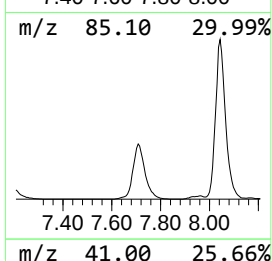
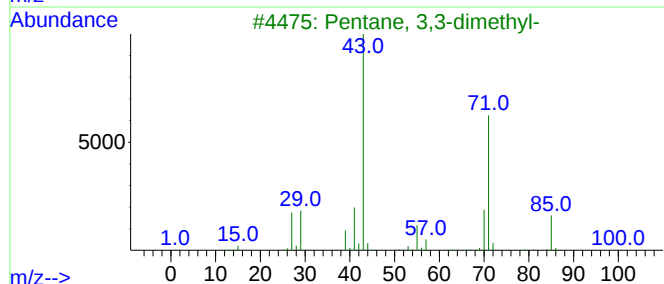
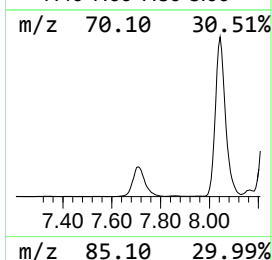
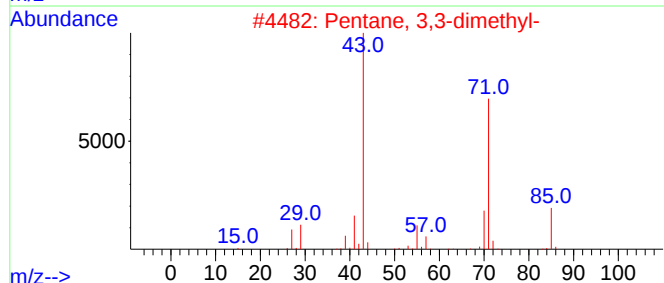
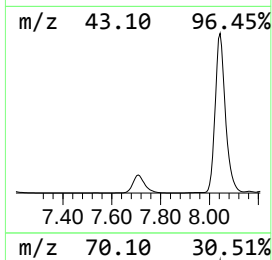
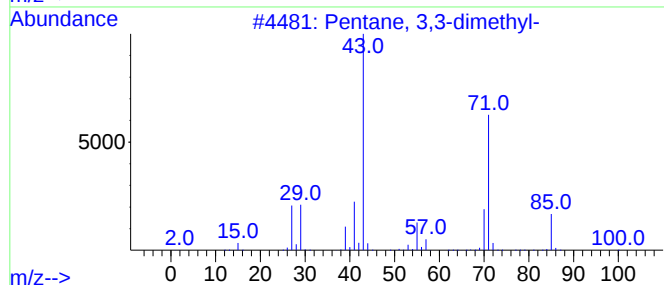
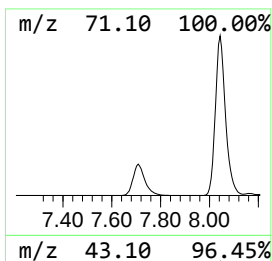
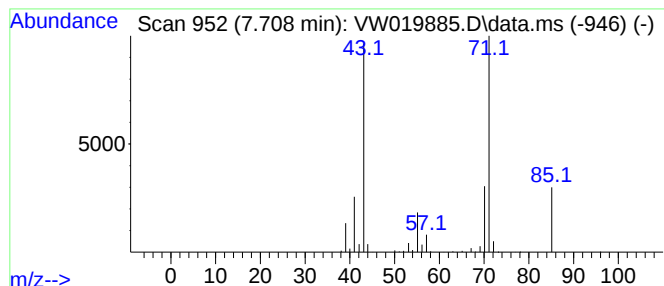
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.708	32.14 ug/L	1970350	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	74
4			1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	50
5			Oxirane, butyl-	100	C6H12O	001436-34-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

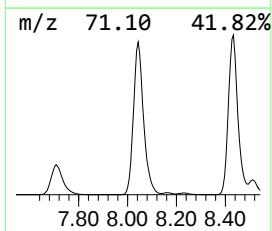
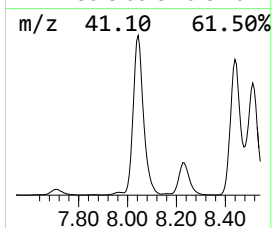
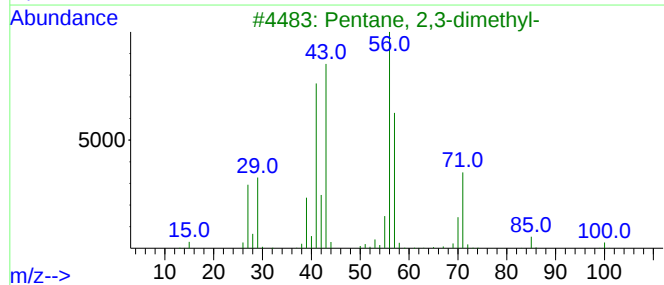
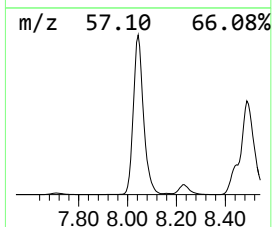
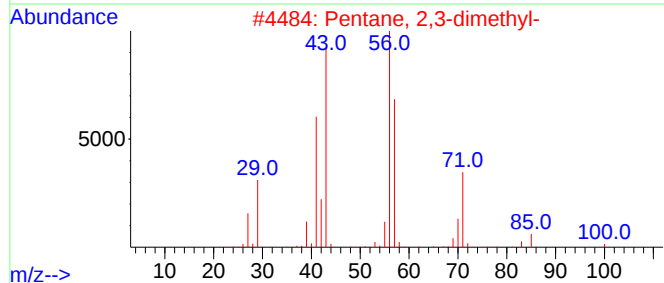
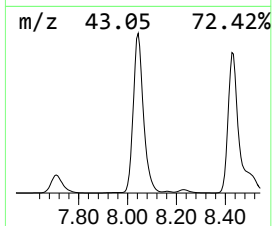
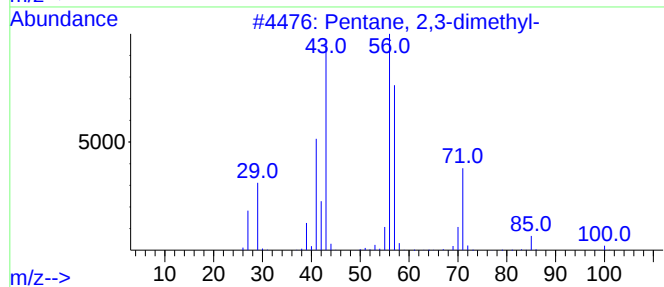
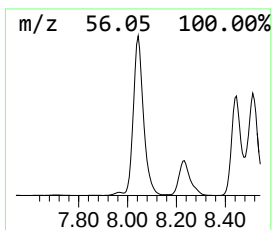
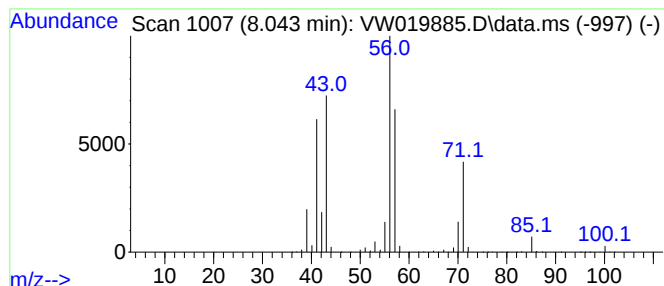
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.043	411.06 ug/L	25201100	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

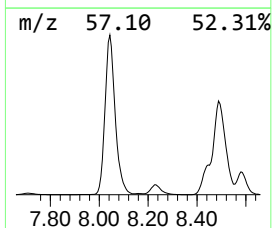
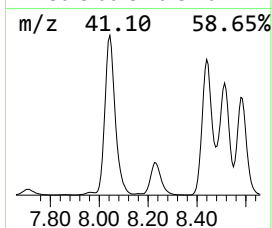
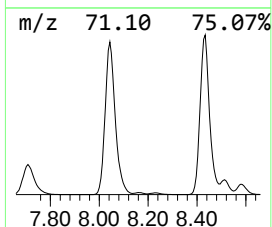
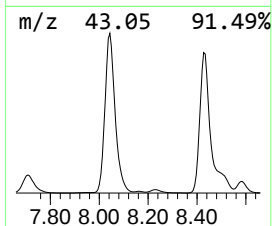
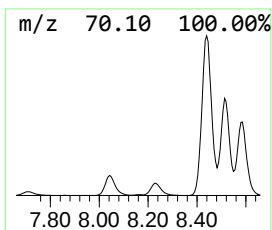
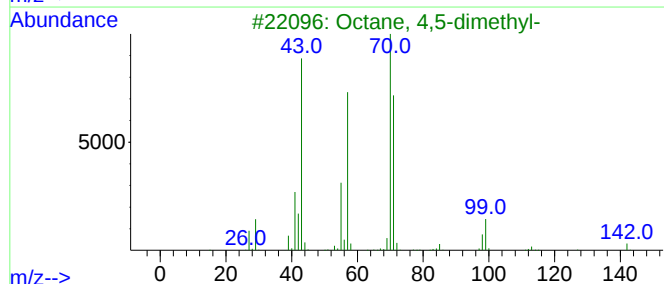
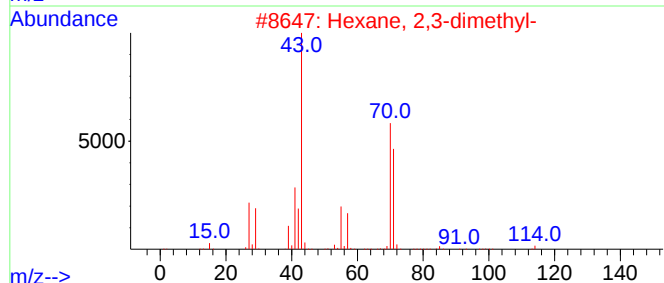
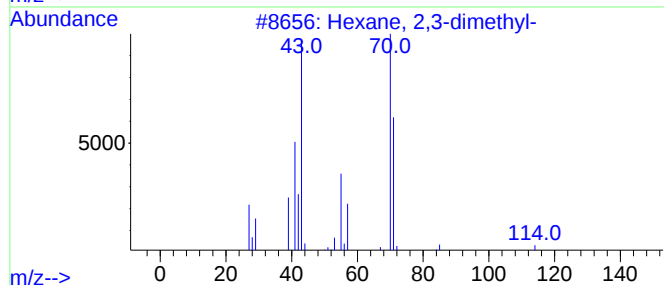
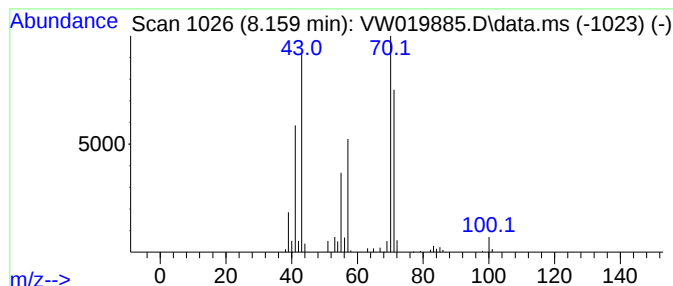
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	1.89 ug/L	115592	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
2			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
3			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	64
4			Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

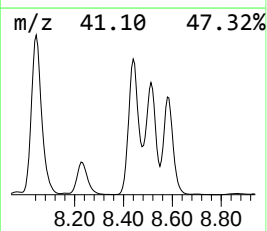
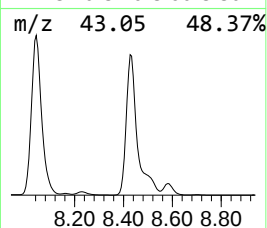
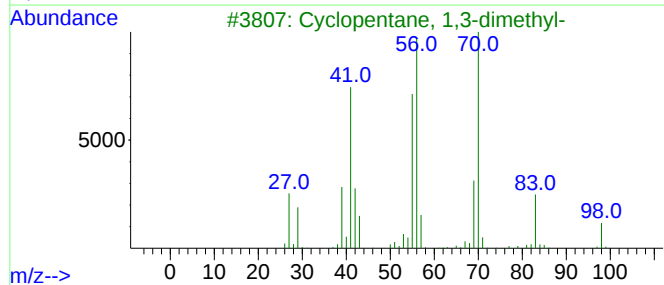
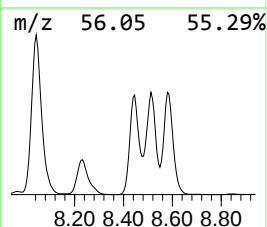
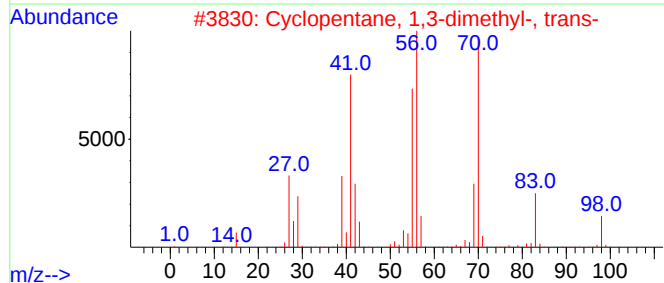
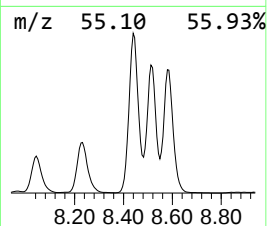
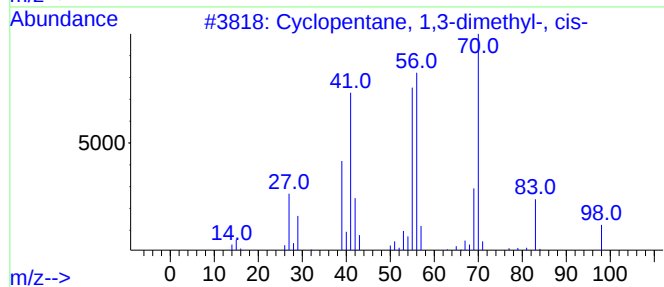
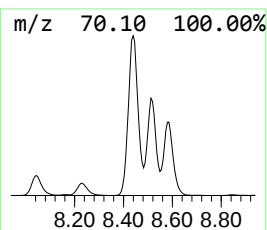
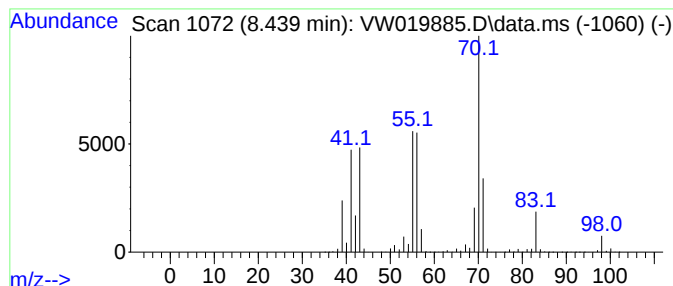
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic8.439 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	504.15 ug/L	30908100	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

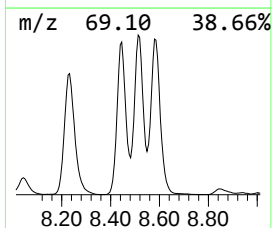
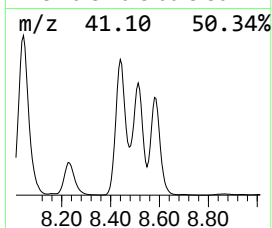
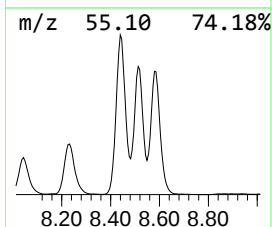
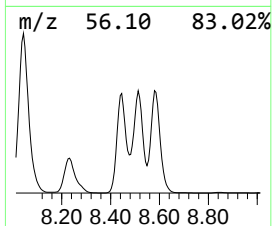
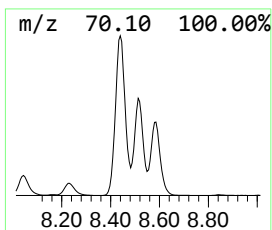
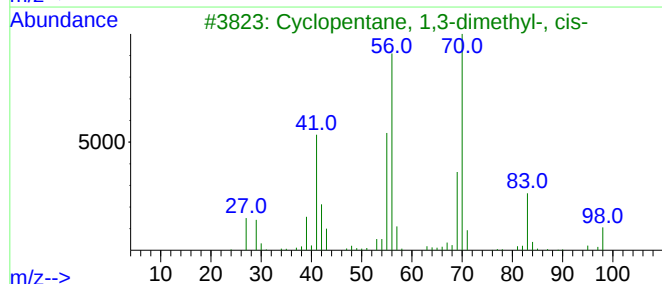
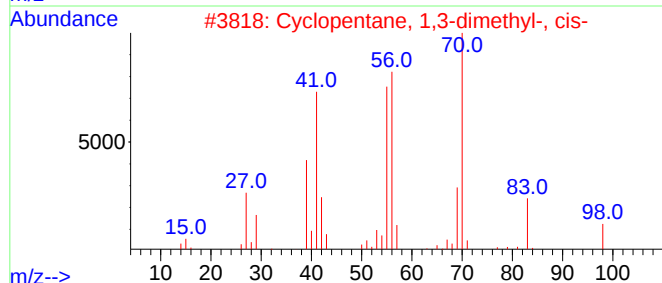
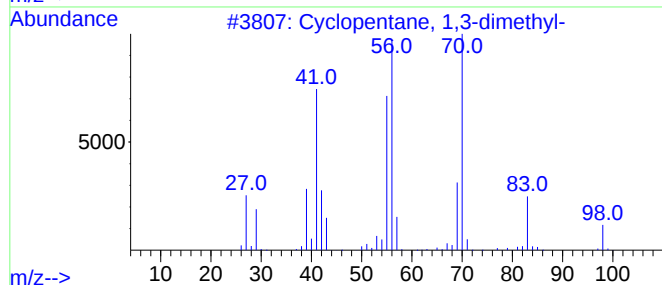
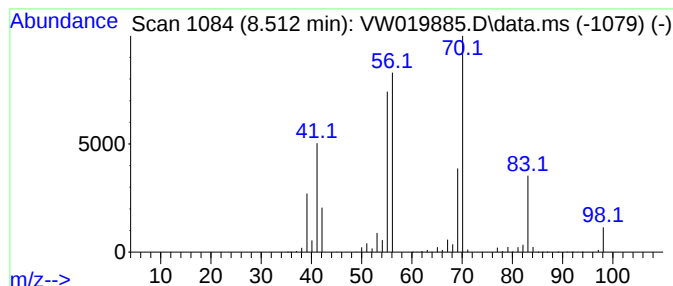
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic8.512 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	327.75 ug/L	20093800	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
4			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	83
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

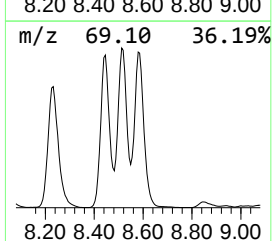
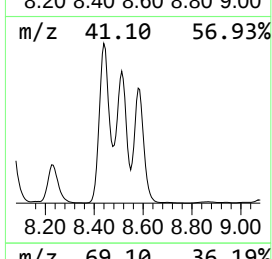
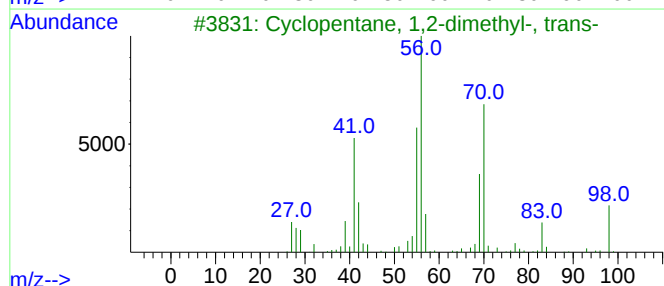
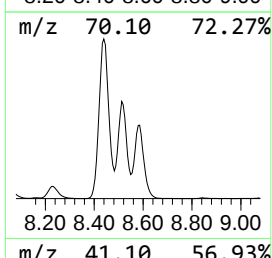
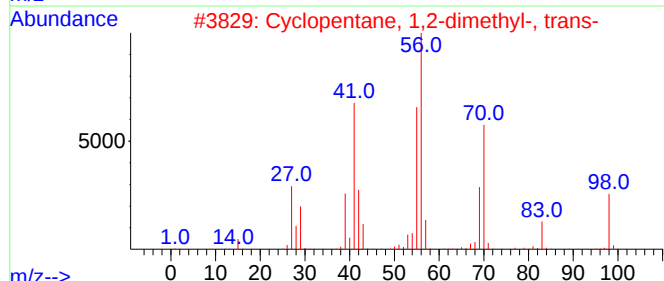
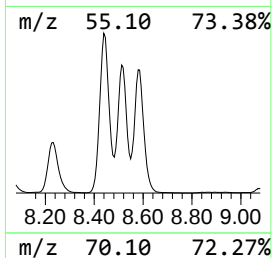
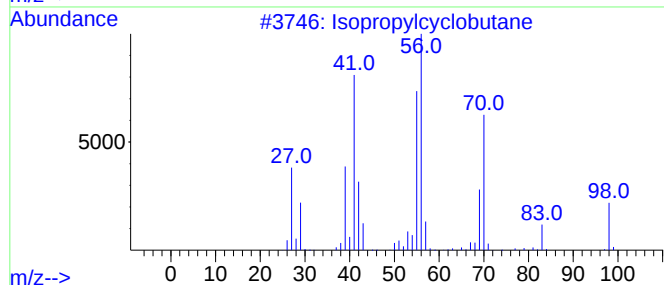
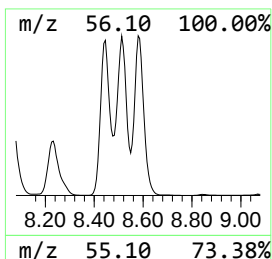
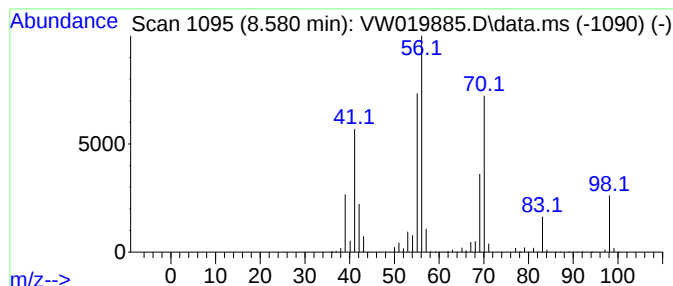
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic8.580 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.580	288.01 ug/L	17657300	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Isopropylcyclobutane	98	C7H14	000872-56-0	94
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4		1-Heptene	98	C7H14	000592-76-7	90
5		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

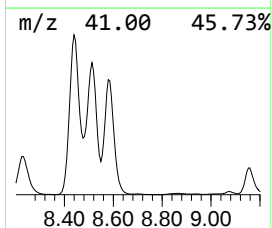
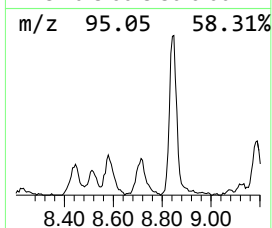
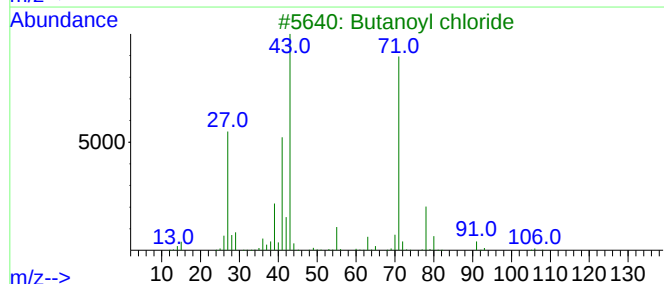
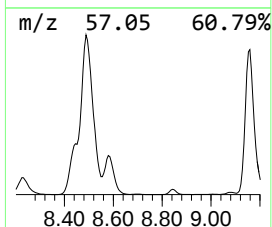
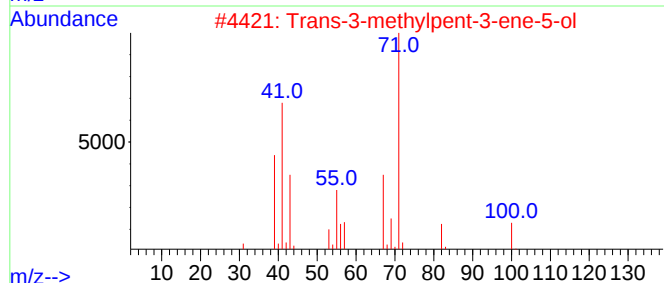
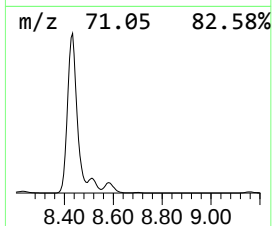
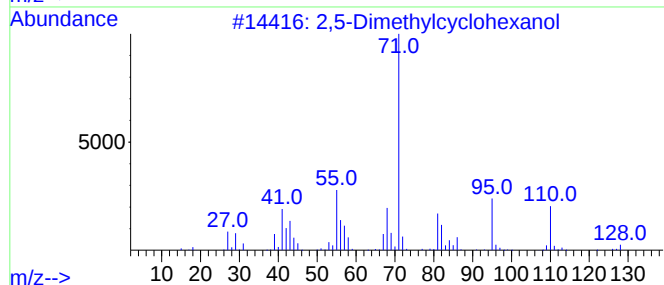
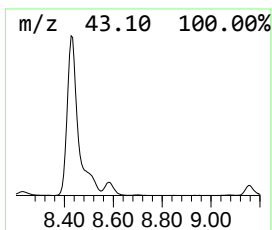
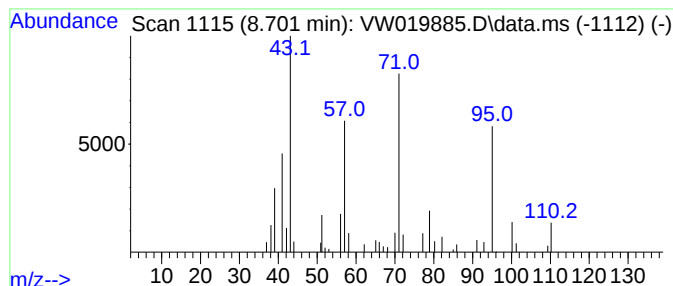
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Quant Title : SFAM01.0

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

Peak Number 11 unknown-01 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.701	1.41 ug/L	86601	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	37
2			Trans-3-methylpent-3-ene-5-ol	100	C6H12O	030801-95-7	35
3			Butanoyl chloride	106	C4H7ClO	000141-75-3	27
4			Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	27
5			Heptane	100	C7H16	000142-82-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

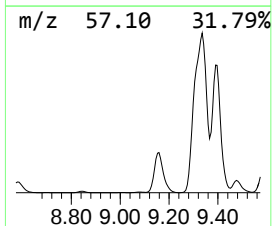
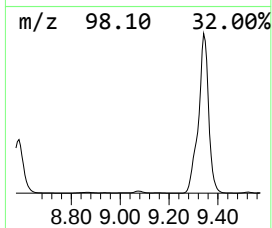
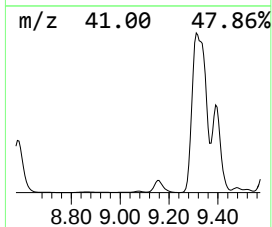
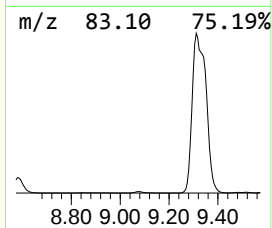
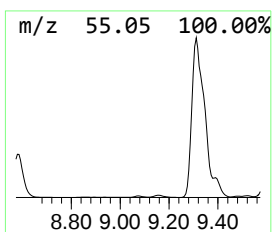
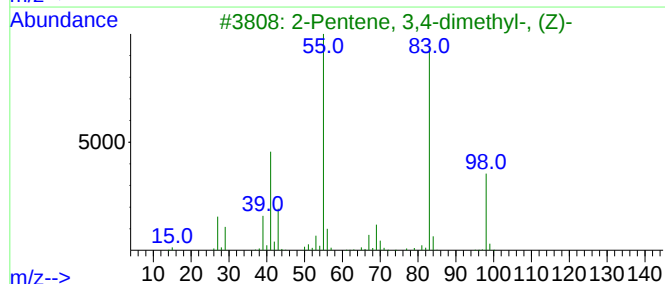
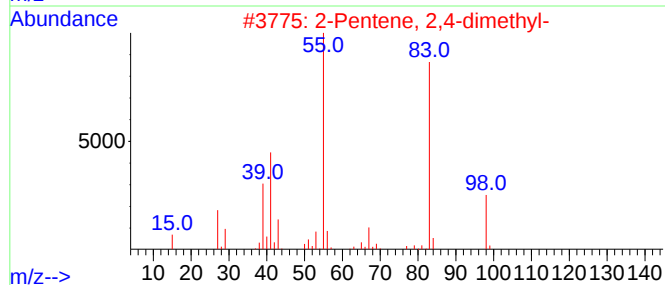
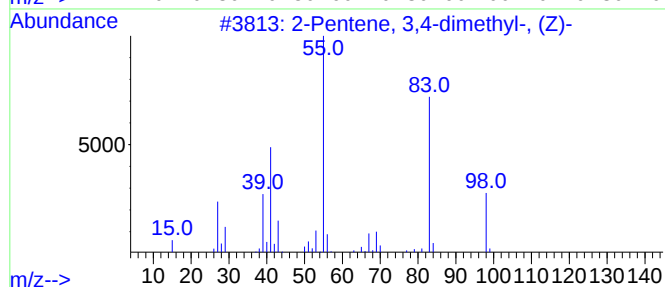
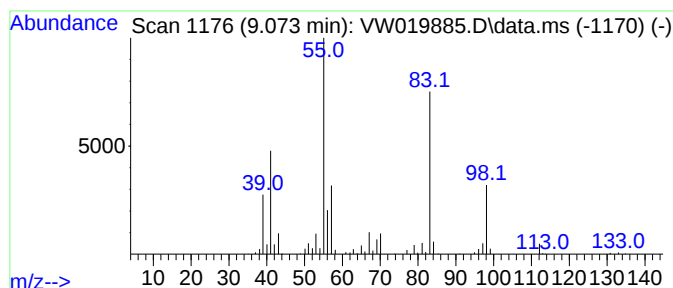
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	4.69 ug/L	287637	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	81	
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	81	
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	80	
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	80	
5	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	80	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

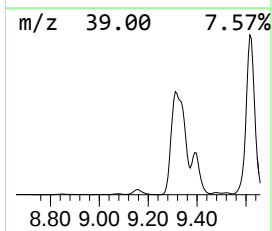
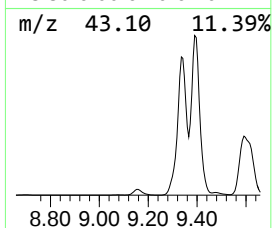
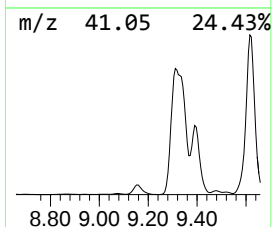
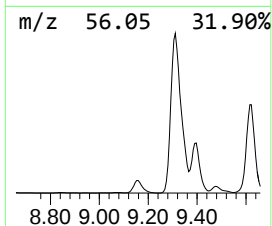
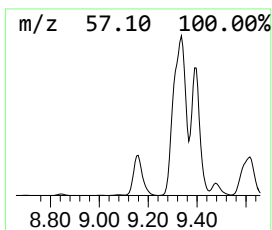
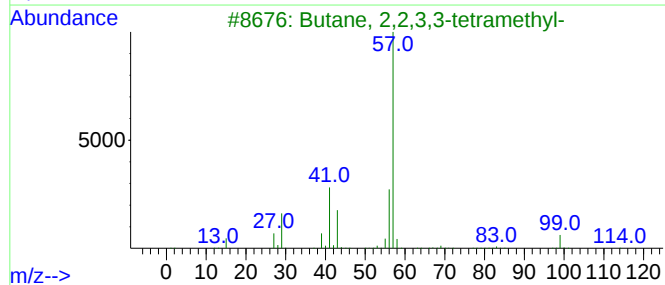
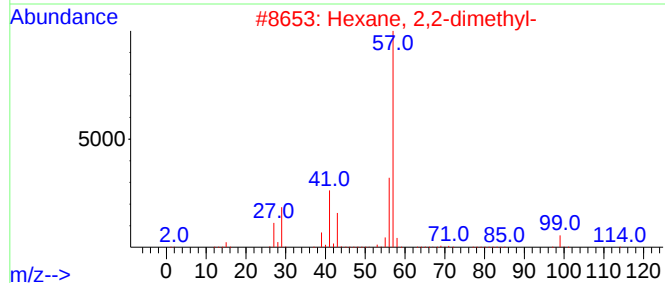
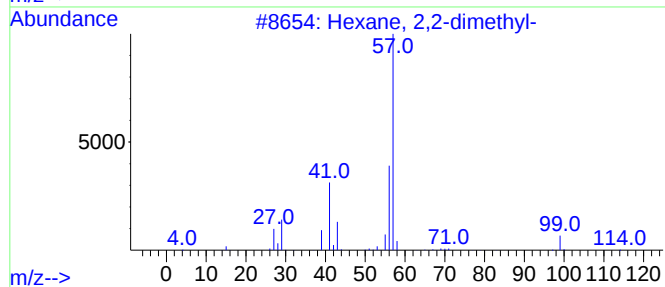
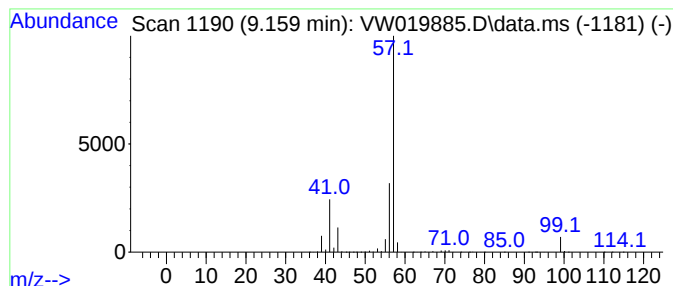
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.159	60.50 ug/L	3709310	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

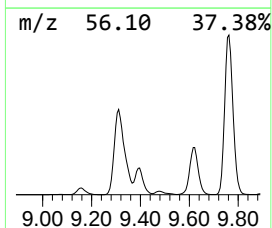
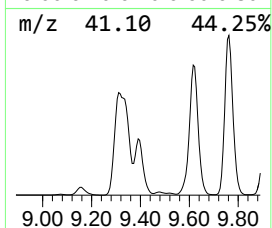
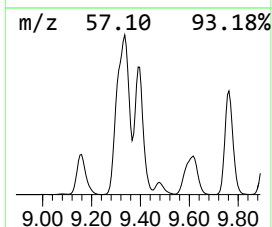
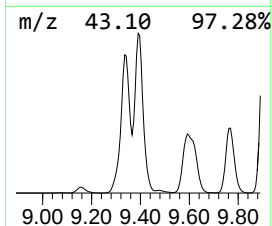
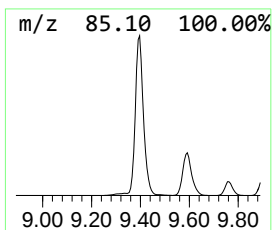
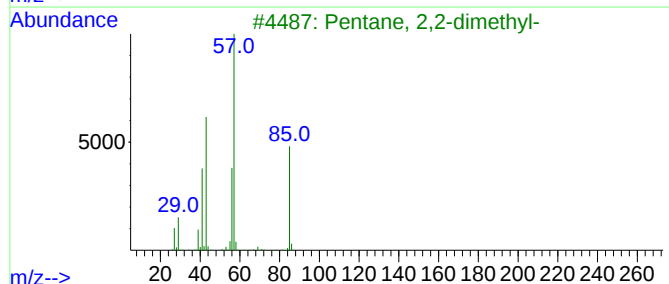
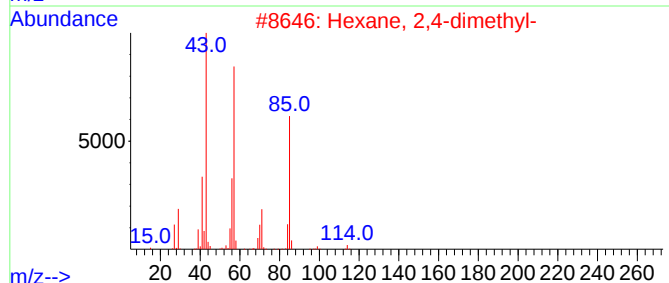
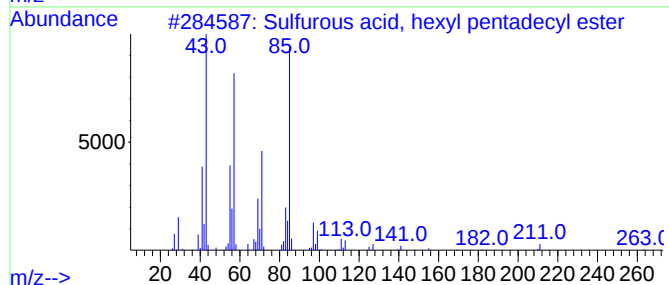
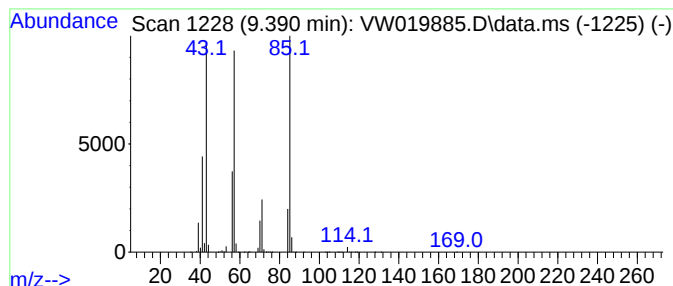
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Quant Title : SFAM01.0

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

Peak Number 14 Sulfurous acid, hexyl penta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.390	405.26 ug/L	24845500	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	72
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
4			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	53
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

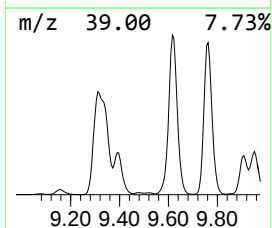
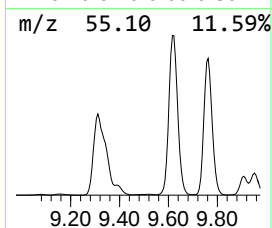
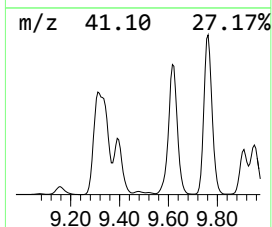
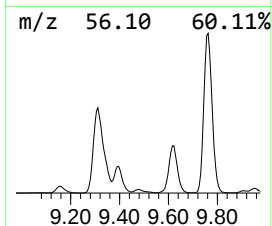
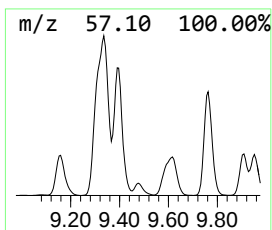
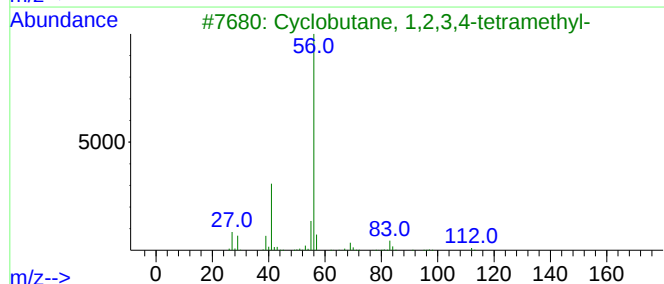
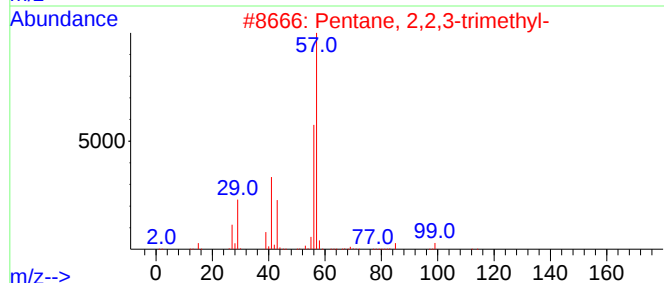
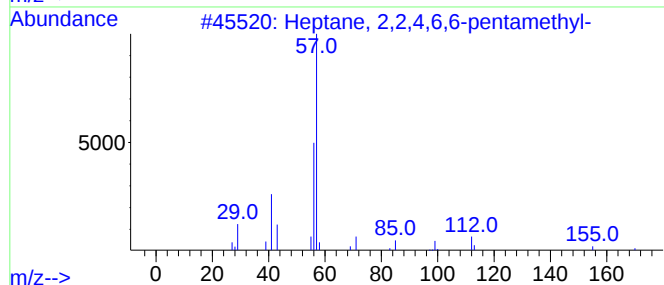
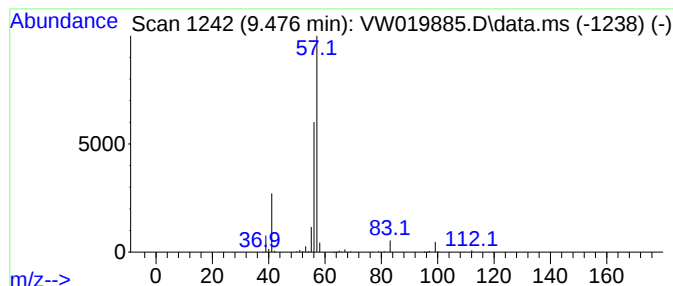
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.476	7.20 ug/L	441454	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
2	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
3	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	47
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	45
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

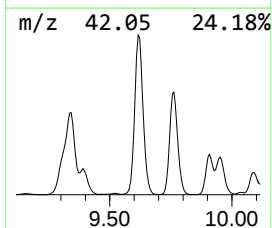
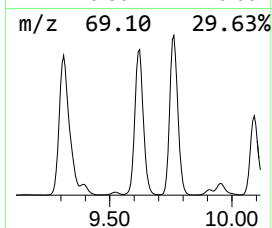
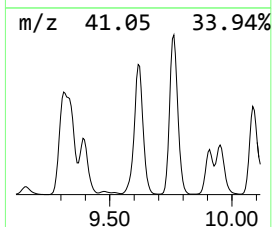
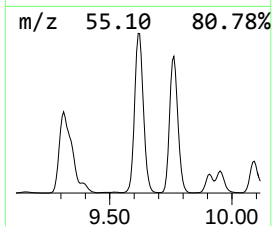
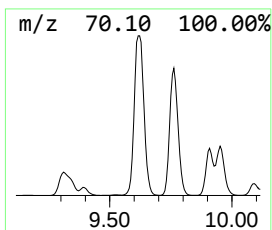
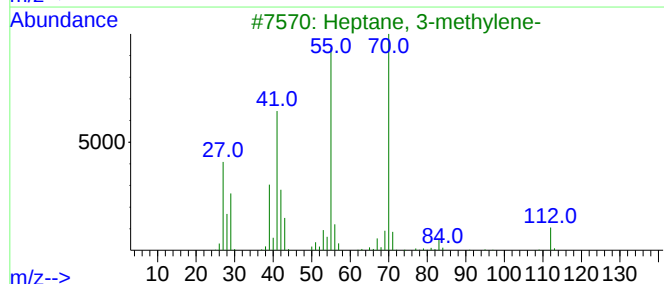
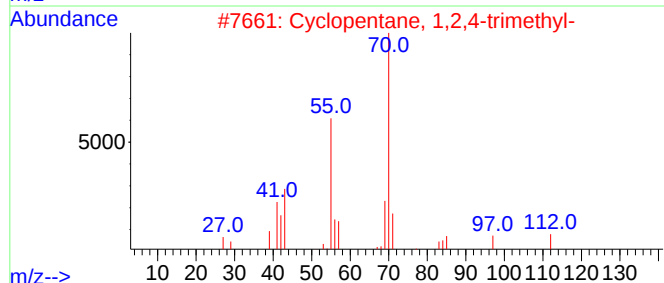
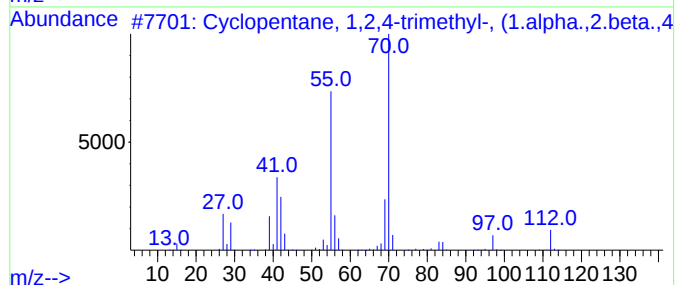
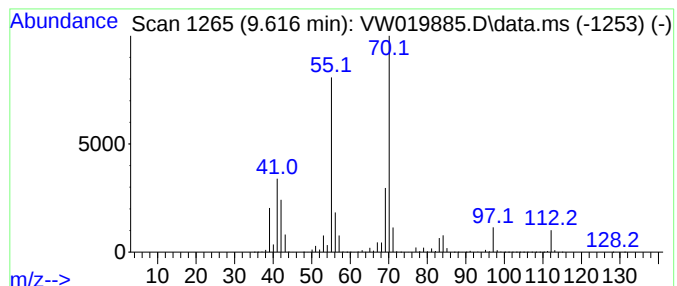
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic9.616 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	1519.50 ug/L	93157100	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3			Heptane, 3-methylene-	112	C8H16	001632-16-2	86
4			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86
5			Heptane, 3-methylene-	112	C8H16	001632-16-2	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

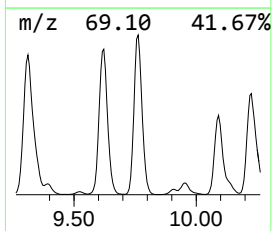
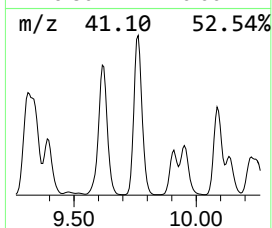
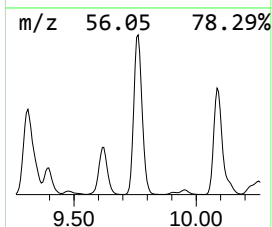
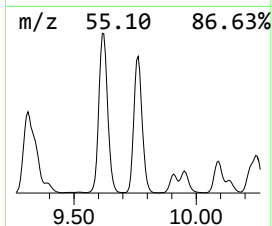
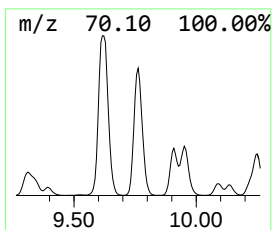
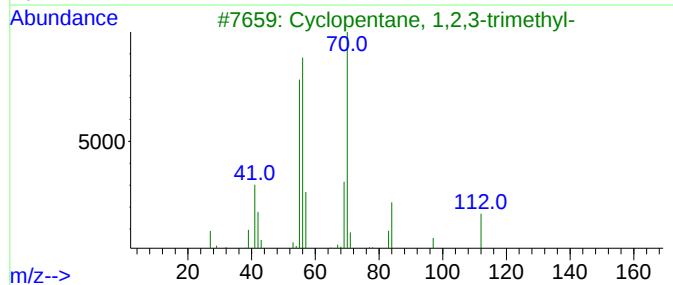
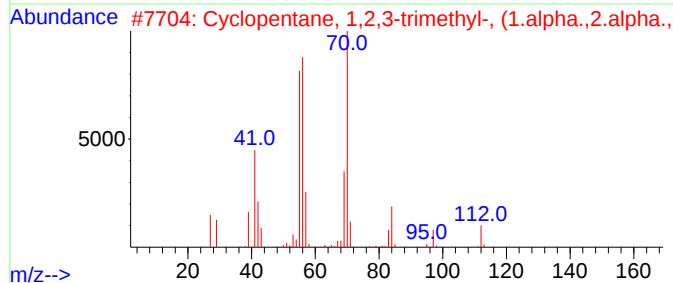
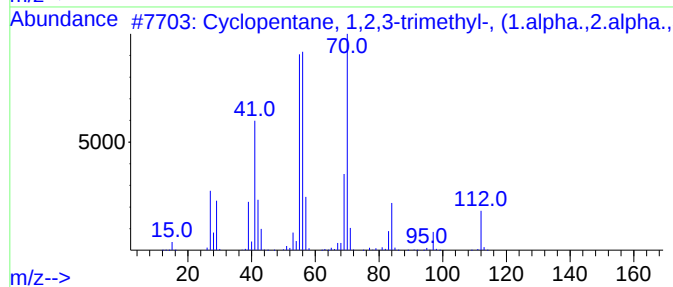
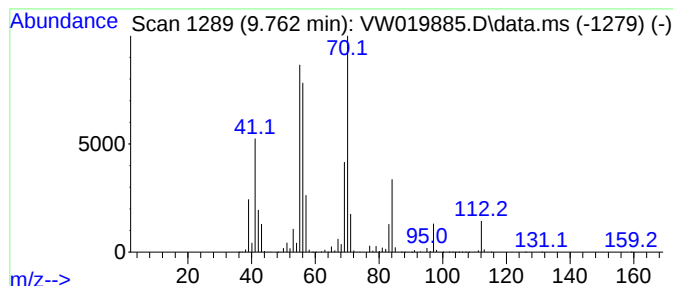
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic9.762 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	1516.81 ug/L	92992200	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	86
4		Heptane, 3-methylene-	112	C8H16	001632-16-2	49
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

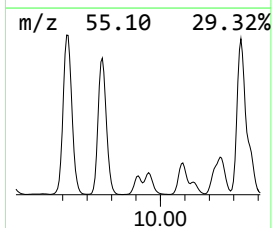
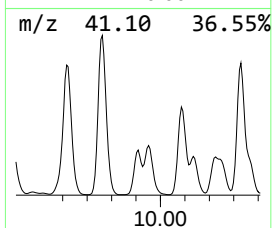
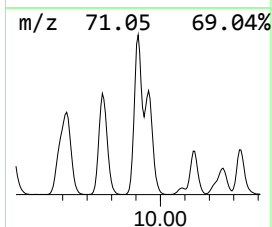
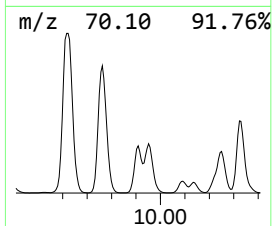
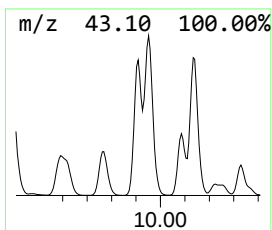
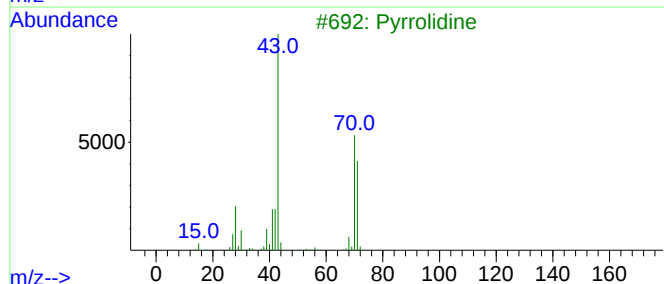
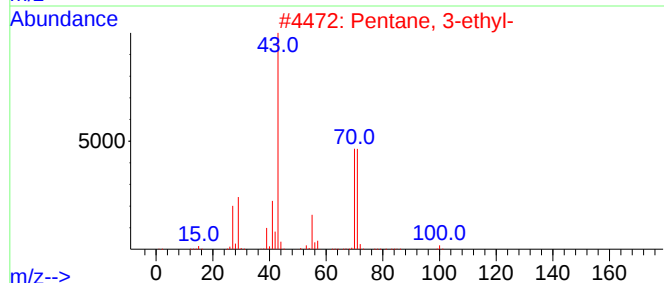
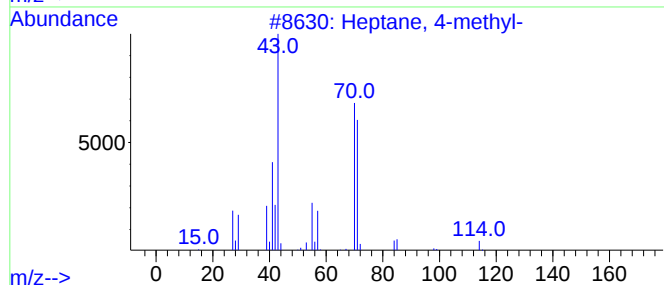
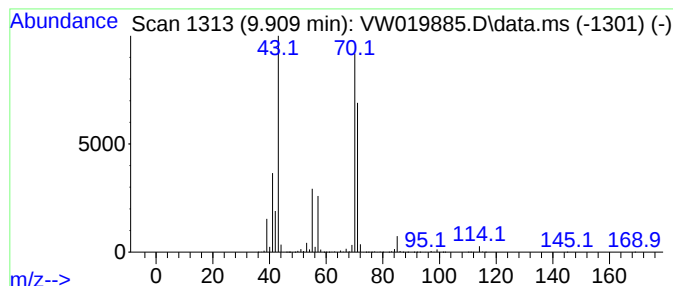
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.909	403.14 ug/L	24715600	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-methyl-	114	C8H18	000589-53-7	90
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3		Pyrrolidine	71	C4H9N	000123-75-1	78
4		Diisooamyl ether	158	C10H22O	000544-01-4	78
5		3,4-Diethyl hexane	142	C10H22	019398-77-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

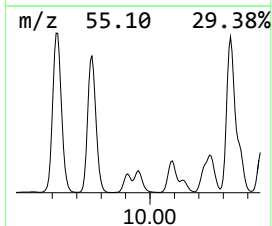
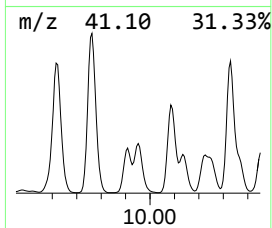
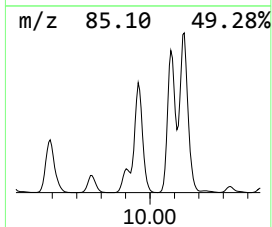
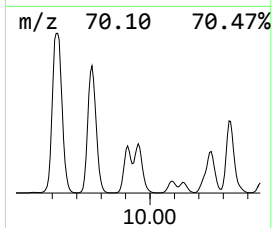
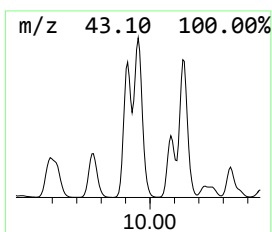
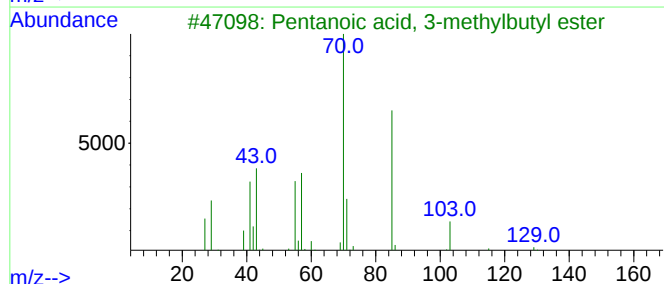
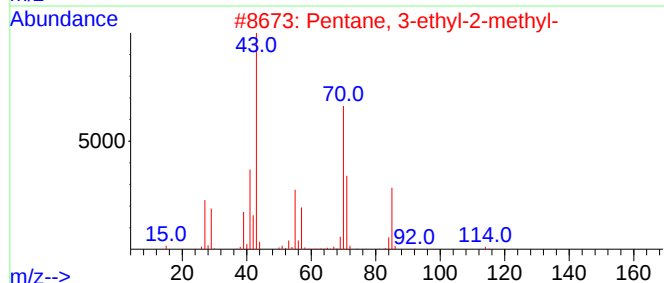
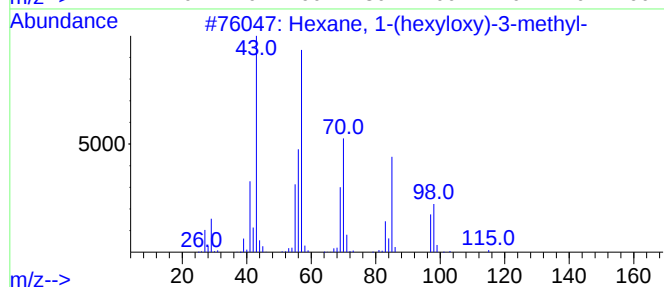
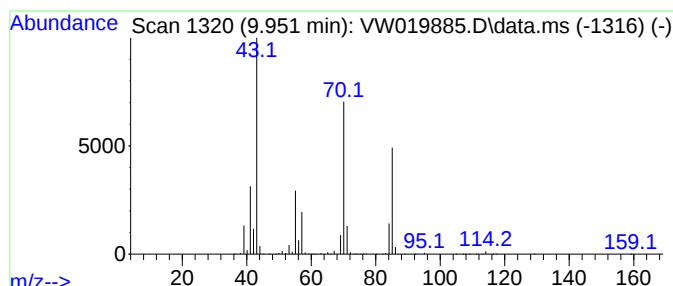
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Quant Title : SFAM01.0

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

Peak Number 19 Hexane, 1-(hexyloxy)-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.951	460.46 ug/L	28229800	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	72
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
3			Pentanoic acid, 3-methylbutyl ester	172	C10H20O2	002050-09-1	59
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

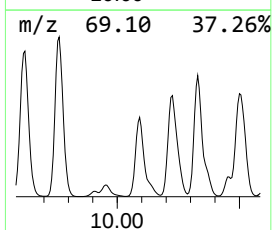
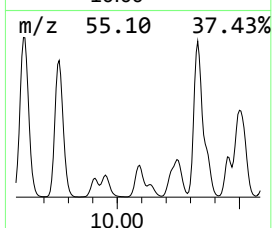
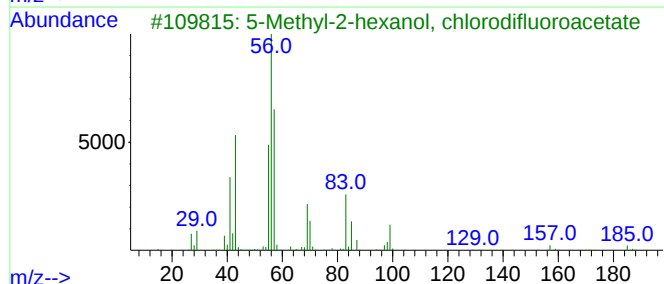
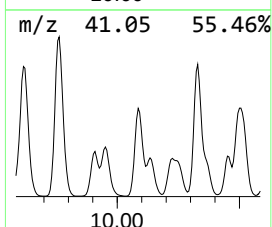
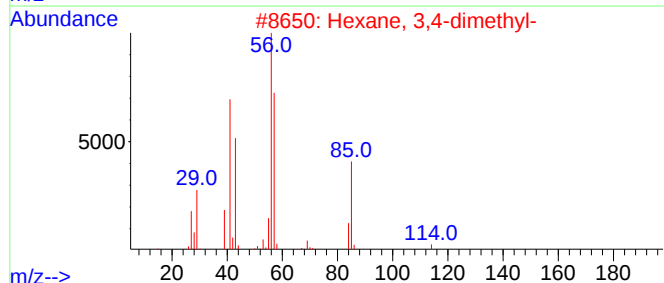
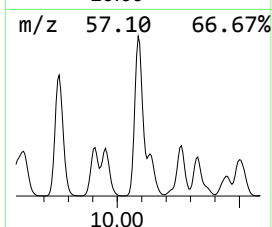
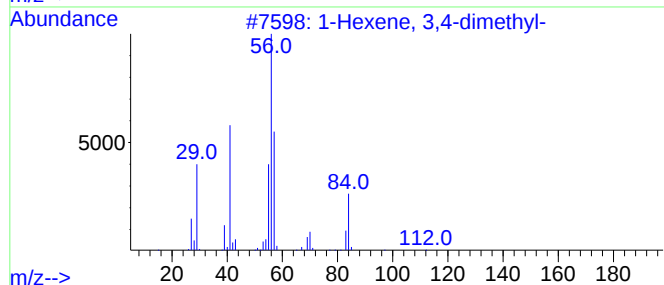
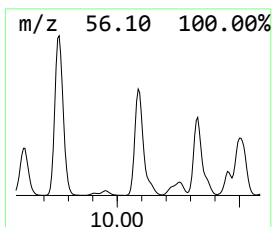
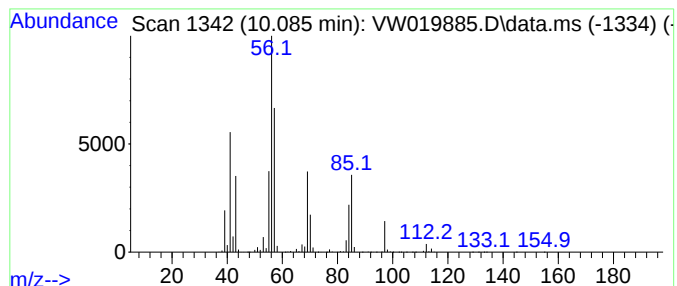
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.085	647.78 ug/L	39714000	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,4-dimethyl-		112	C8H16	016745-94-1	59
2	Hexane, 3,4-dimethyl-		114	C8H18	000583-48-2	59
3	5-Methyl-2-hexanol, chlorodifluo...		228	C9H15ClF2O2	1010376-27-1	53
4	1-Heptene, 6-methyl-		112	C8H16	005026-76-6	52
5	2,4-Dimethyl-1-hexene		112	C8H16	016746-87-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

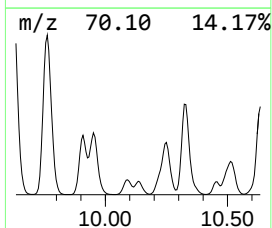
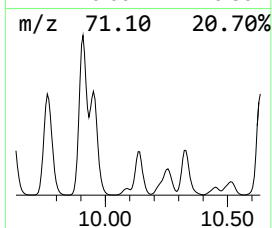
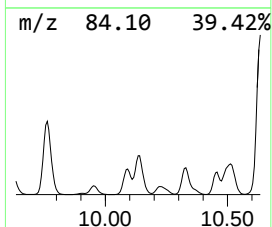
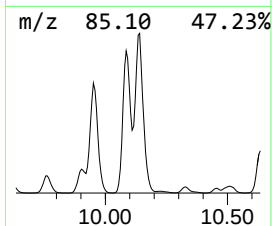
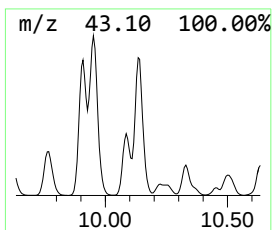
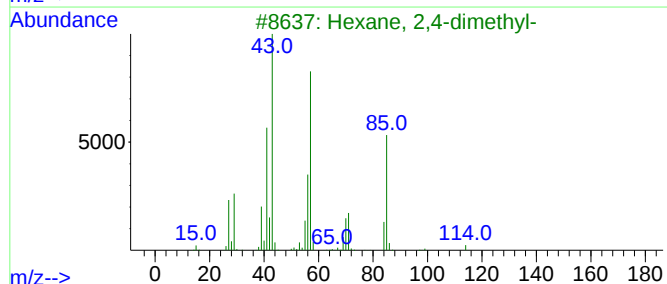
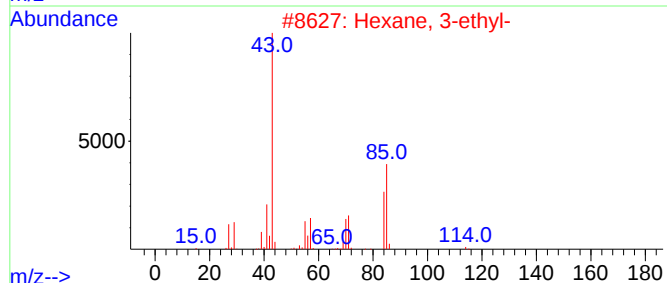
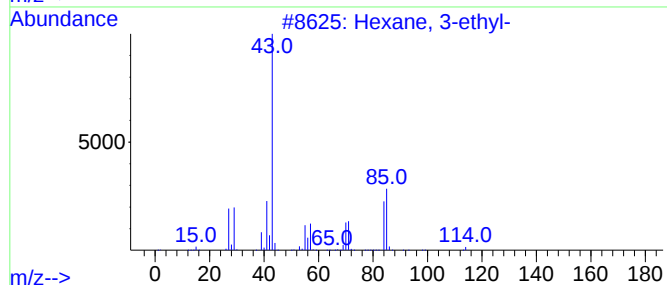
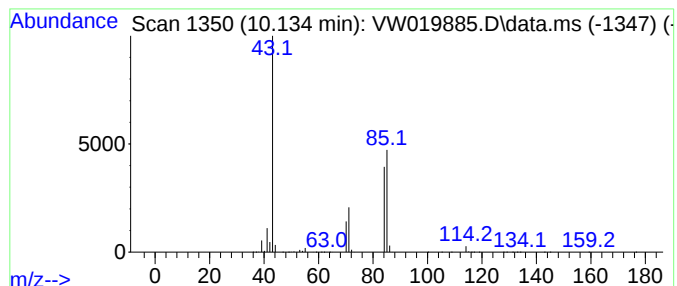
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.134	322.57 ug/L	19775700	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4		Heptane, 3-methyl-	114	C8H18	000589-81-1	50
5		Octane	114	C8H18	000111-65-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

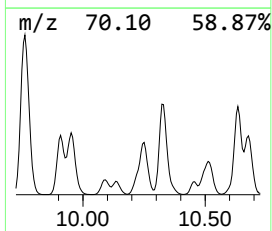
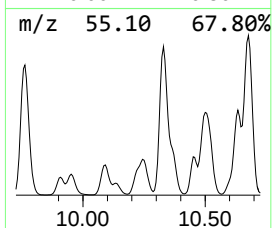
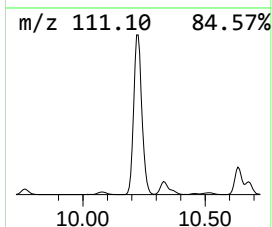
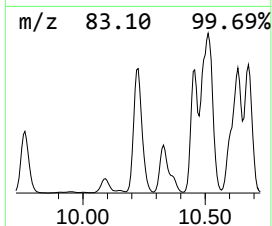
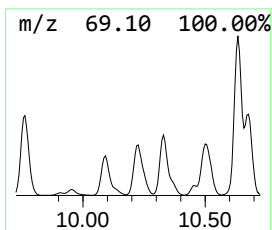
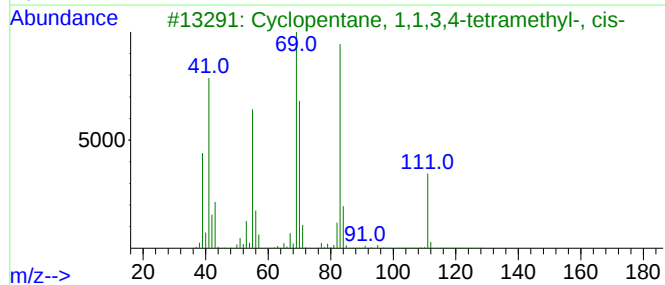
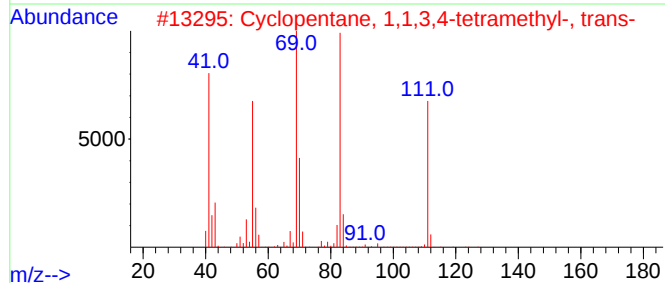
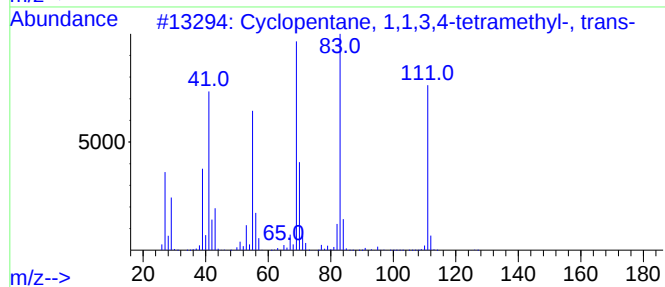
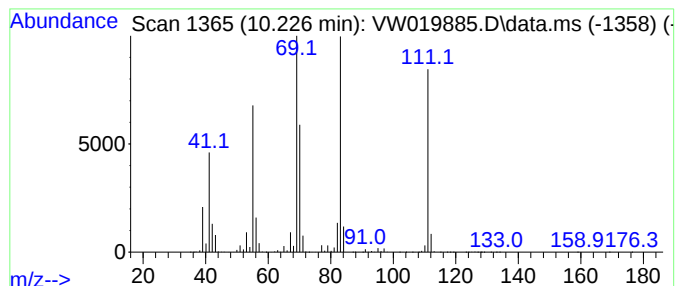
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic10.226 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.226	605.62 ug/L	37129300	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	90
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	78
3			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	64
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

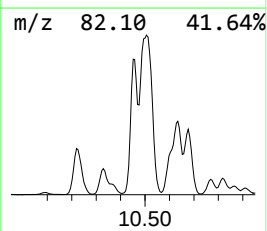
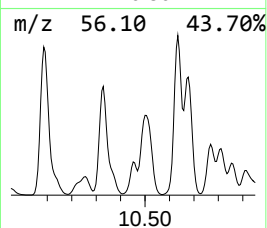
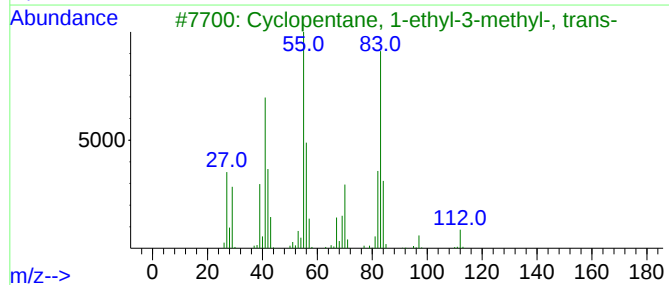
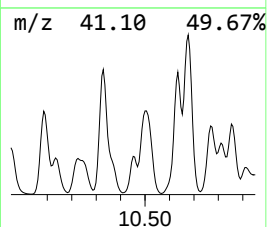
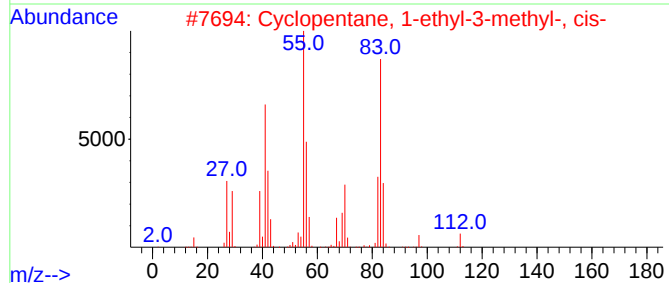
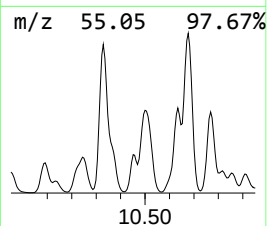
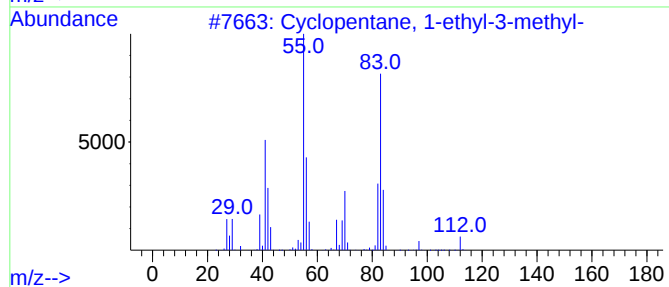
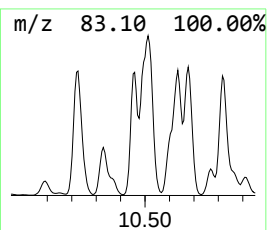
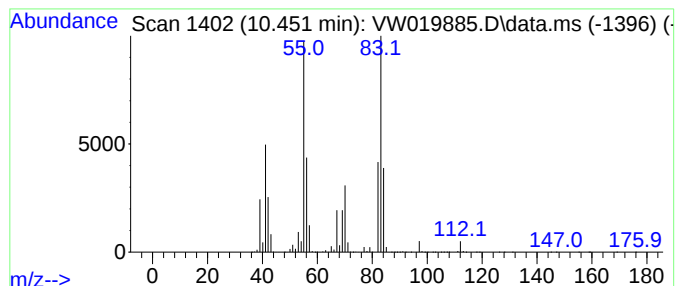
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic10.451 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	13.72 ug/L	18459600	Chlorobenzene-d5	11.634
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1-ethyl-3-methyl-	112 C8H16	003726-47-4 97
2		Cyclopentane, 1-ethyl-3-methyl-,...	112 C8H16	002613-66-3 97
3		Cyclopentane, 1-ethyl-3-methyl-,...	112 C8H16	002613-65-2 96
4		Cyclohexane, ethyl-	112 C8H16	001678-91-7 47
5		Hexane, 3-methyl-4-methylene-	112 C8H16	003404-67-9 47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

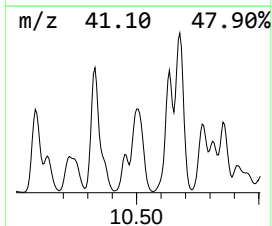
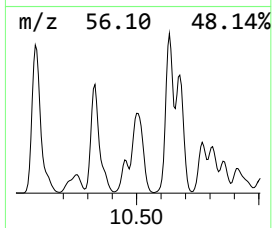
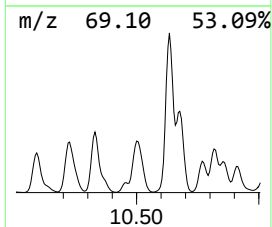
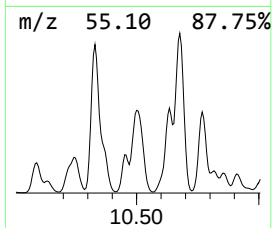
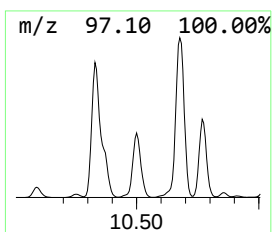
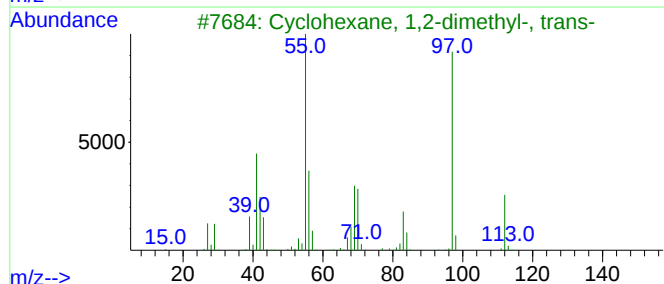
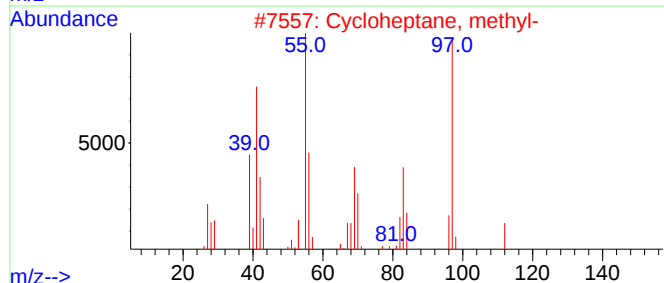
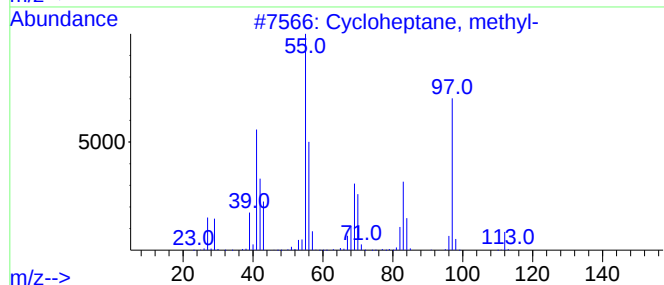
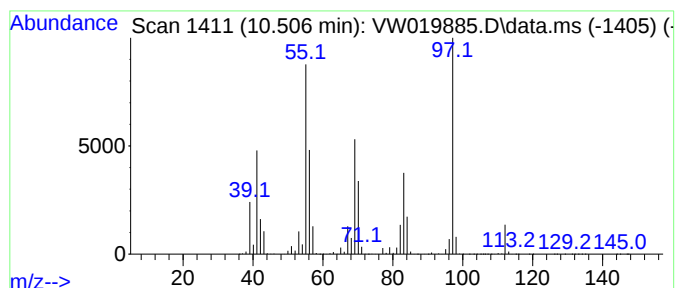
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic10.506 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	51.47 ug/L	69233600	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cycloheptane, methyl-	112	C8H16	004126-78-7	91
2		Cycloheptane, methyl-	112	C8H16	004126-78-7	90
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	86
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

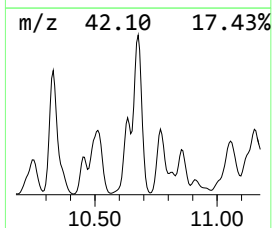
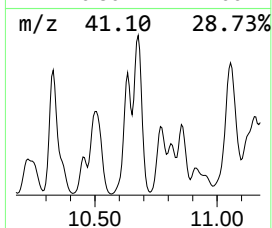
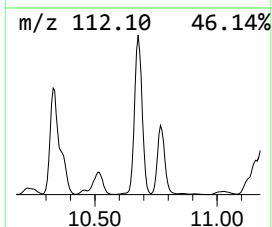
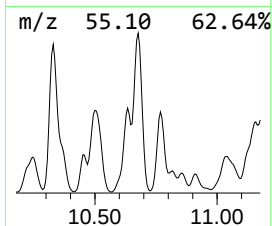
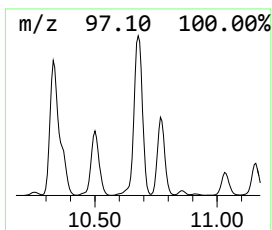
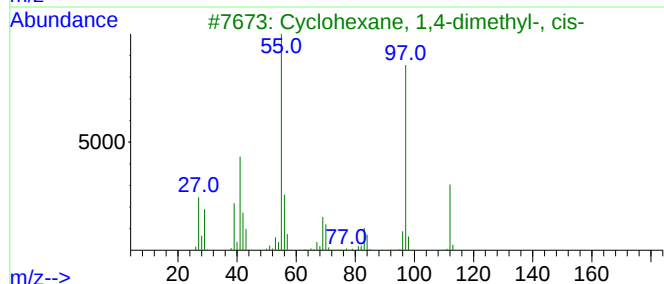
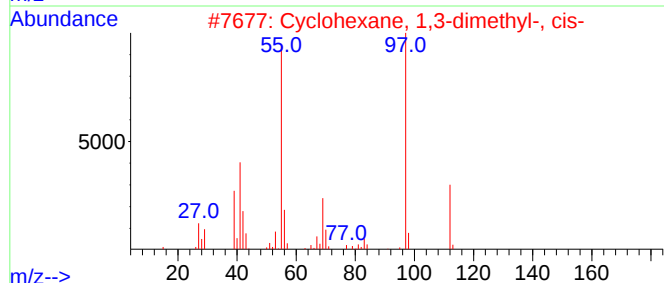
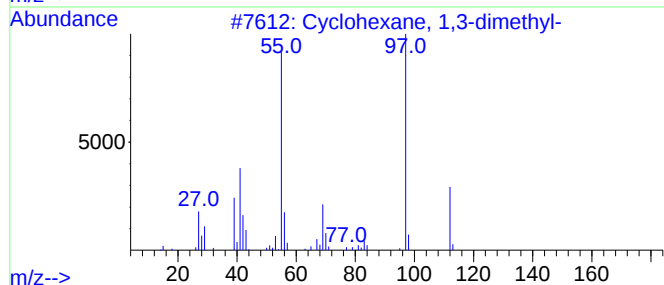
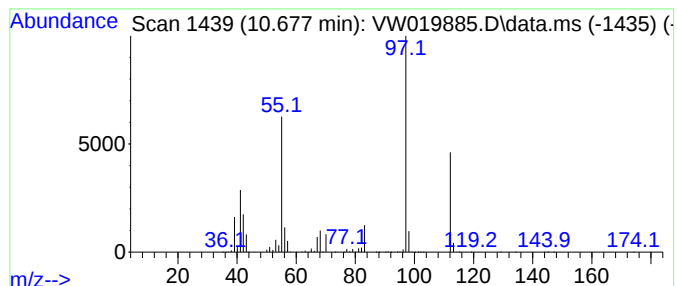
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic10.677 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.677	72.06 ug/L	96931500	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	86
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	86
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	78
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	78
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

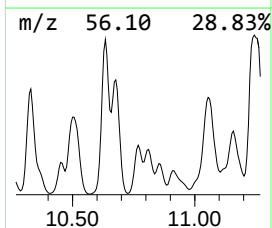
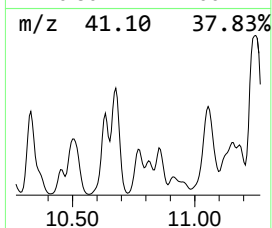
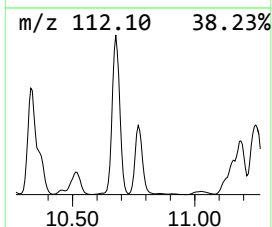
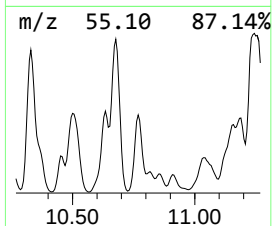
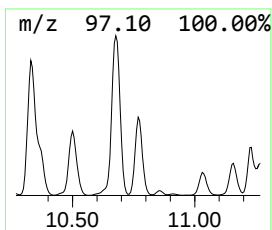
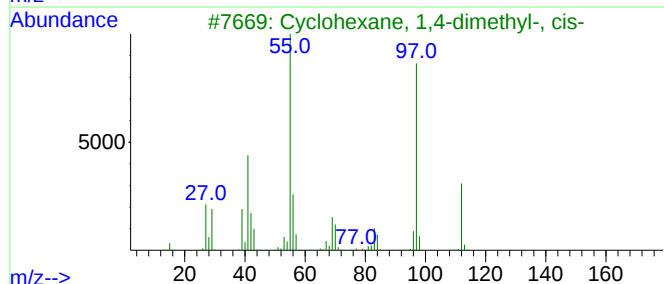
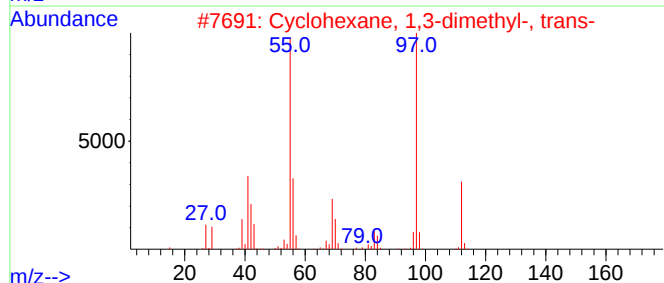
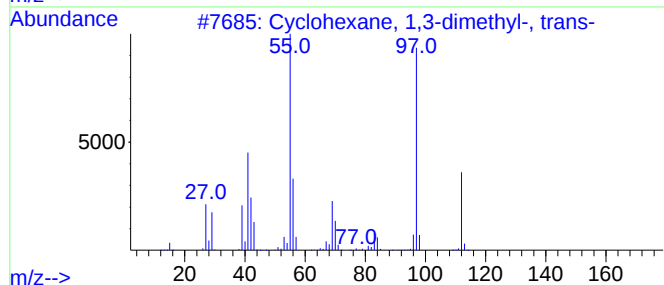
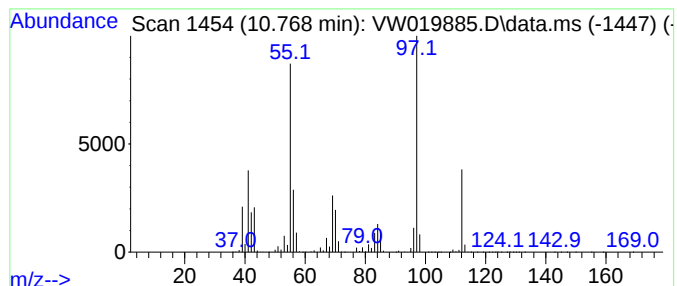
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic10.768 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.768	37.84 ug/L	50909200	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

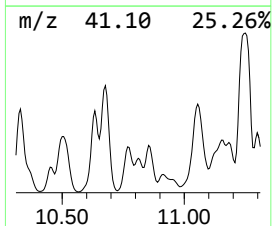
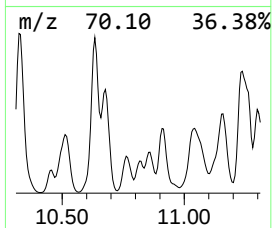
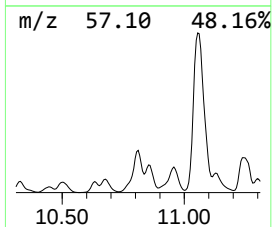
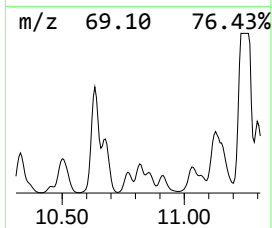
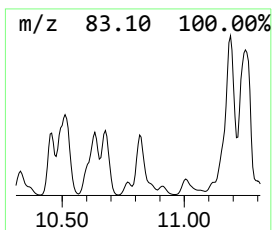
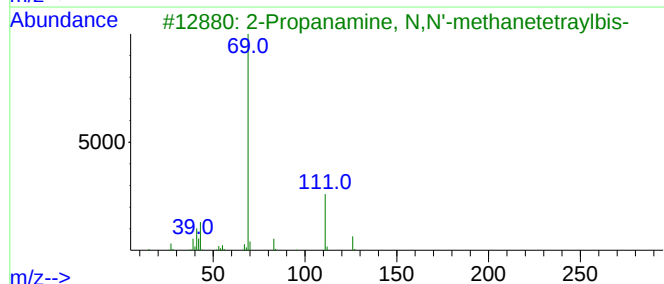
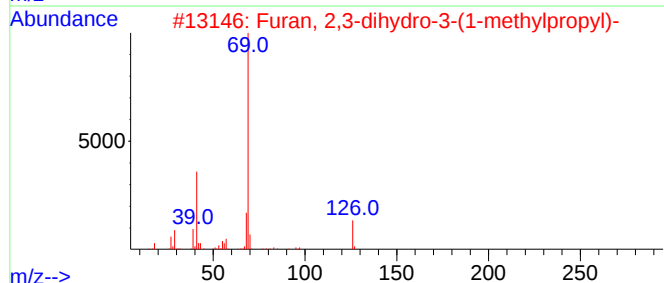
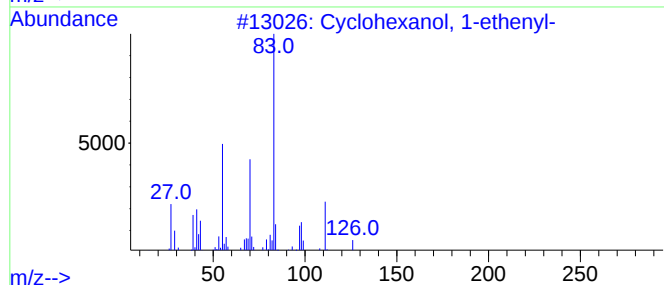
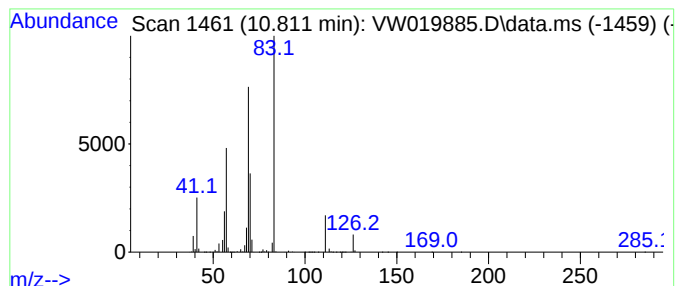
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 unknown-02

Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.811	2.88 ug/L	3876640	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanol, 1-ethenyl-	126	C8H14O	001940-19-8	38
2			Furan, 2,3-dihydro-3-(1-methylpr...	126	C8H14O	056805-32-4	38
3			2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	35
4			2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	25
5			5-Nonanol, trifluoroacetate	240	C11H19F3O2	1000463-48-1	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

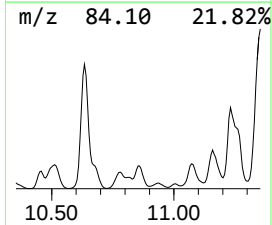
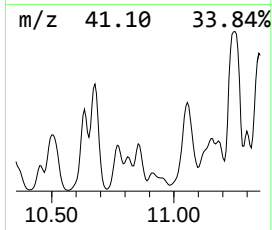
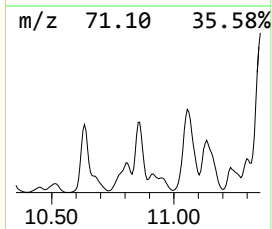
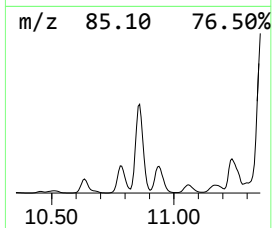
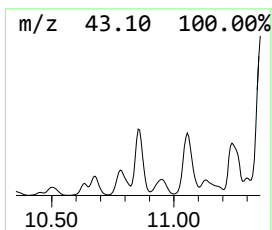
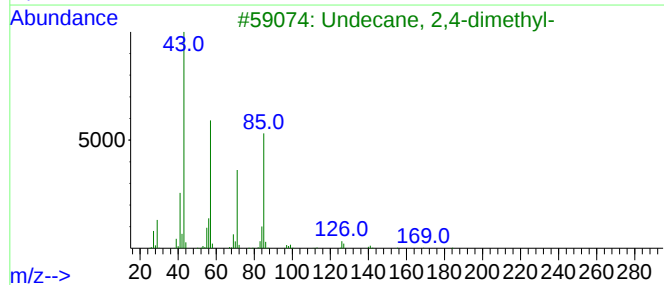
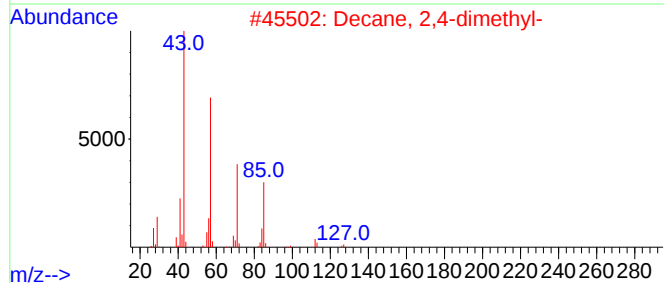
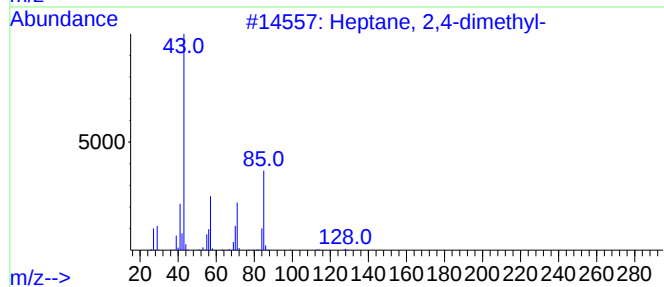
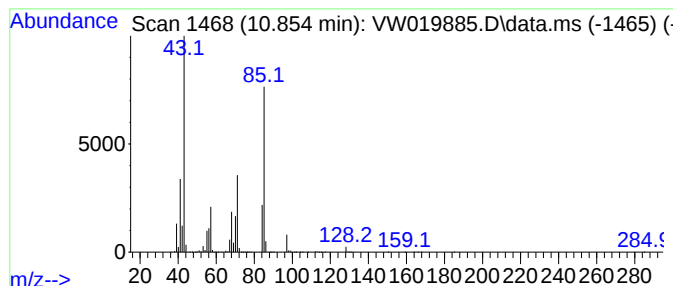
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.854	19.16 ug/L	25772600	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2			Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	72
3			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
5			Hexane, 3-ethyl-	114	C8H18	000619-99-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

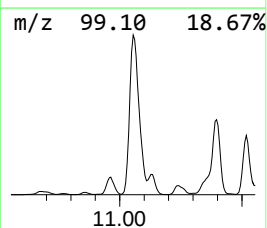
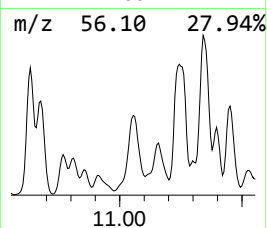
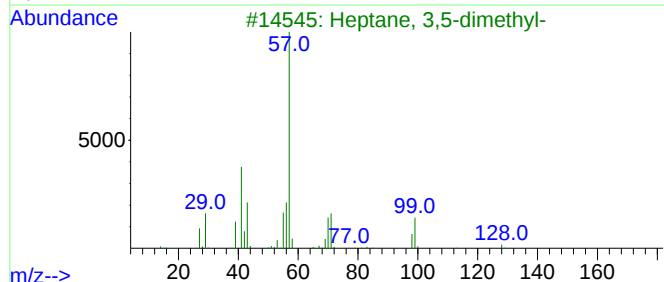
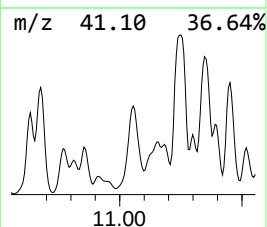
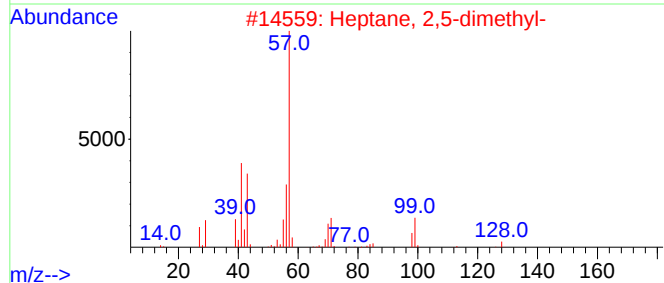
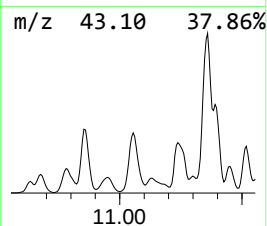
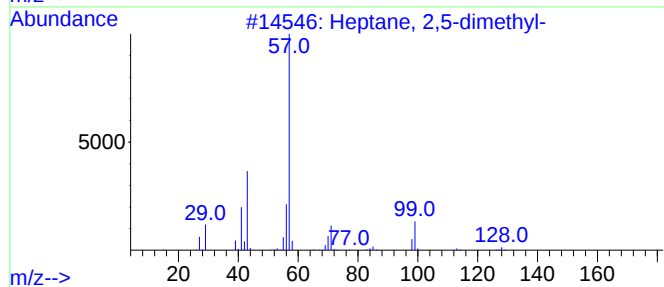
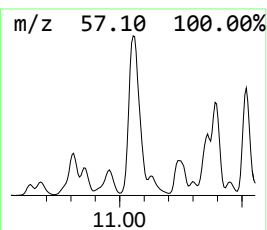
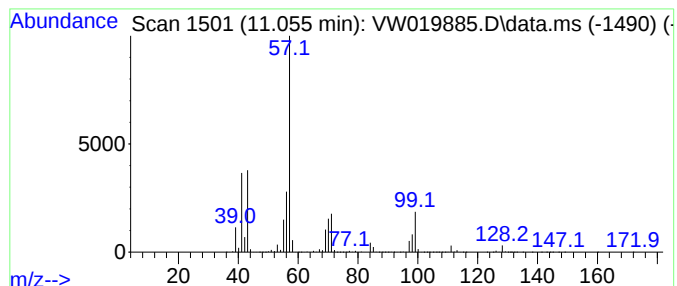
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.055	66.05 ug/L	88845300	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			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
5			Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

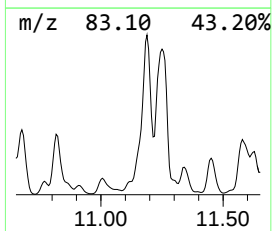
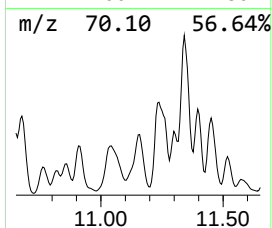
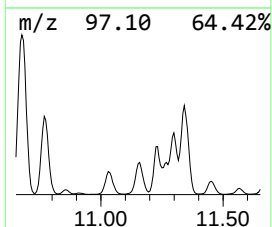
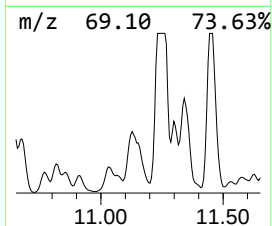
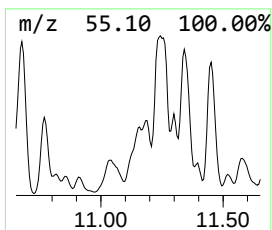
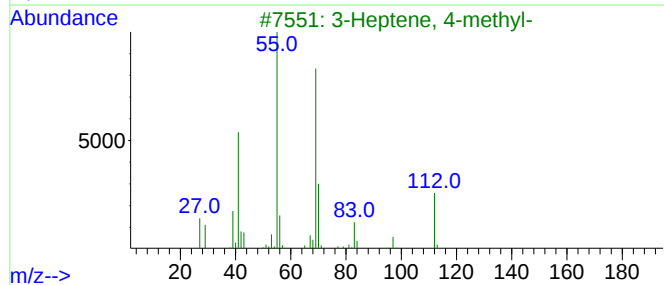
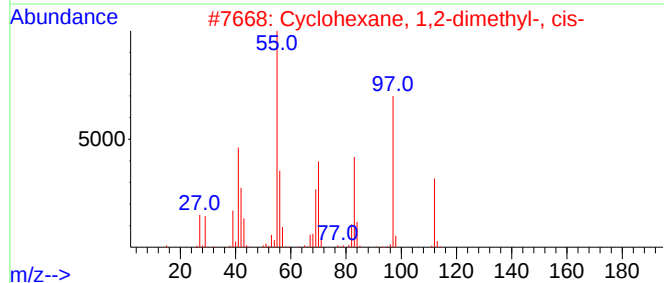
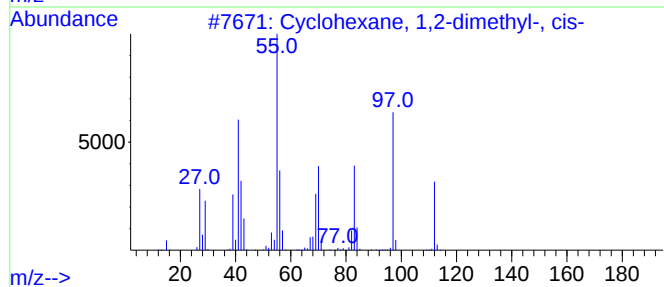
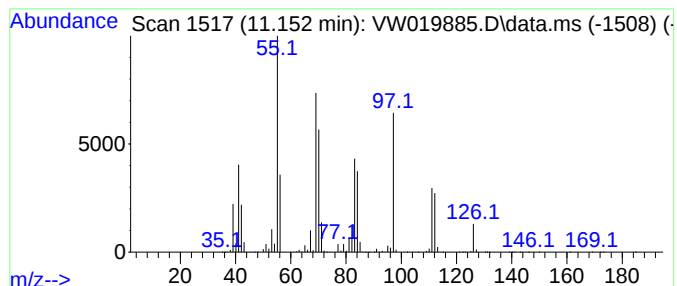
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic11.152 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.152	33.20 ug/L	44655400	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	60
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	55
3	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	46
4	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	46
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

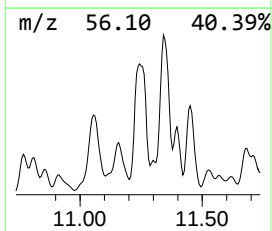
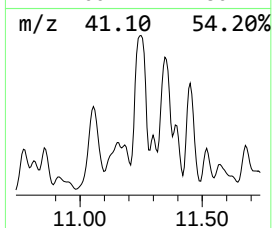
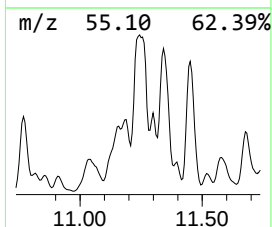
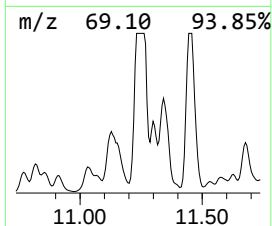
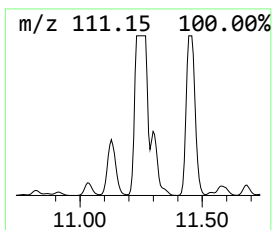
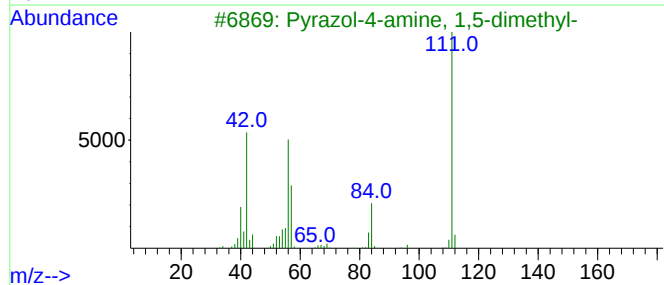
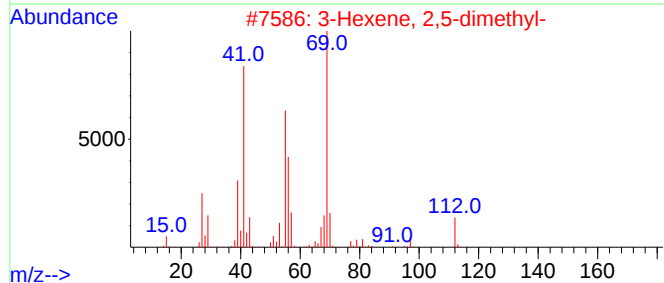
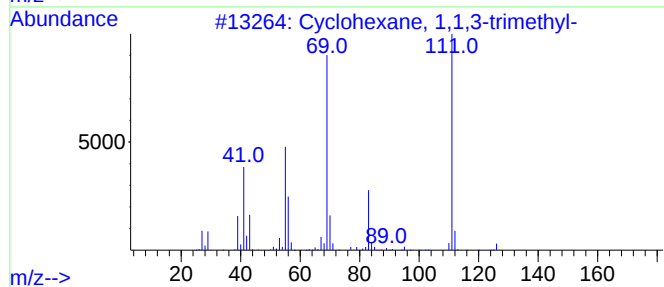
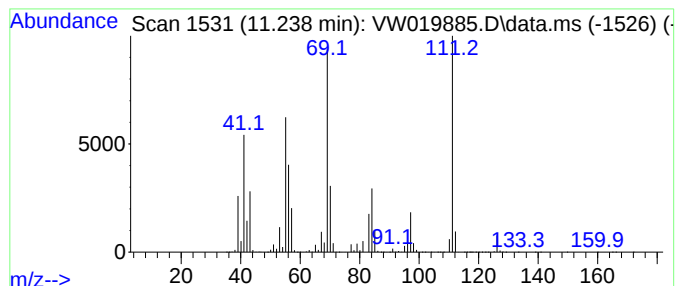
Instrument :
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ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic11.238 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.238	128.30 ug/L	172590000	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	74
2	3-Hexene, 2,5-dimethyl-		112	C8H16	015910-22-2	43
3	Pyrazol-4-amine, 1,5-dimethyl-		111	C5H9N3	121983-36-6	43
4	2-Pentene, 3-methyl-		84	C6H12	000922-61-2	35
5	2-Pentene, 3-methyl-, (Z)-		84	C6H12	000922-62-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

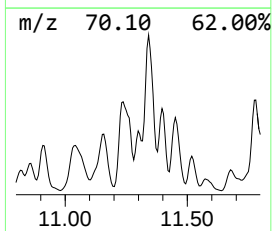
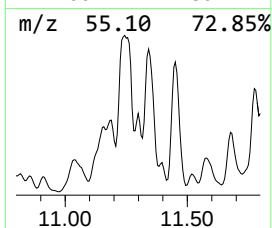
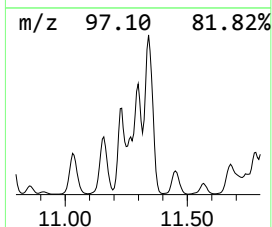
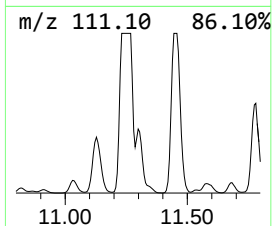
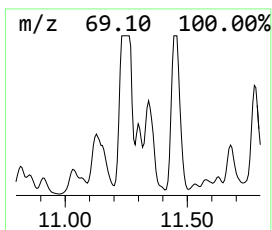
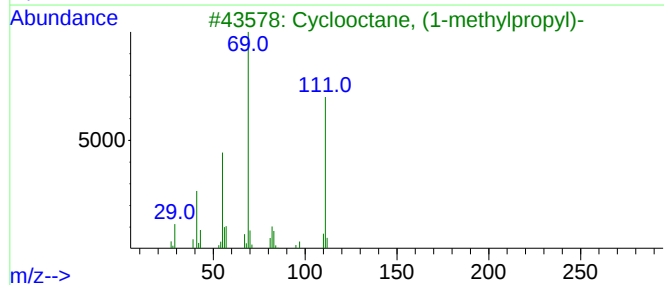
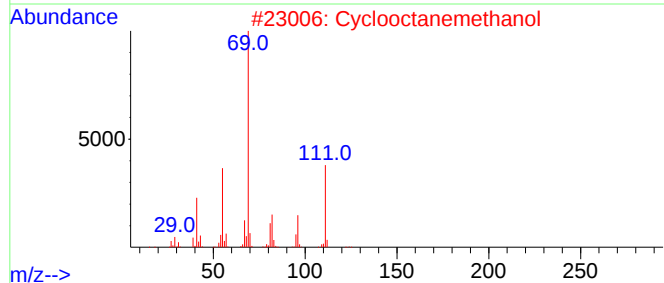
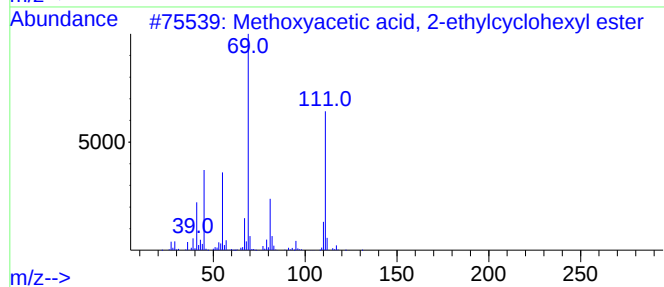
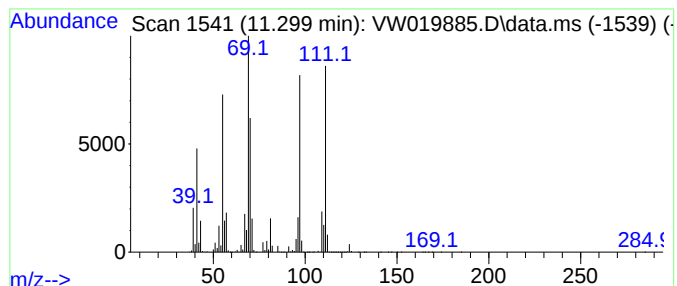
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 unknown-03 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.299	17.89 ug/L	24068900	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	43
2	Cyclooctanemethanol	142	C9H18O	003637-63-6	43
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	43
5	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

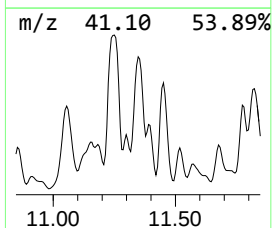
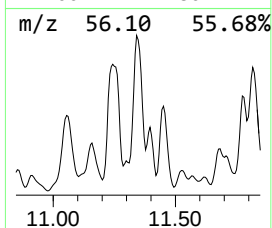
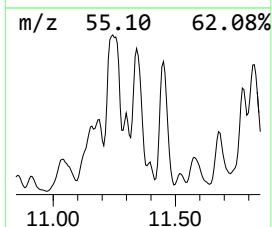
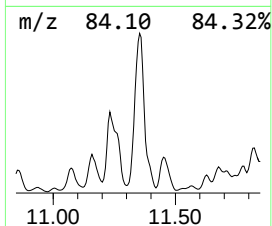
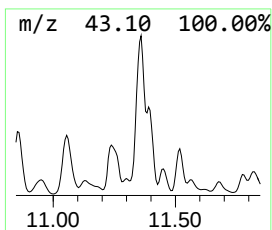
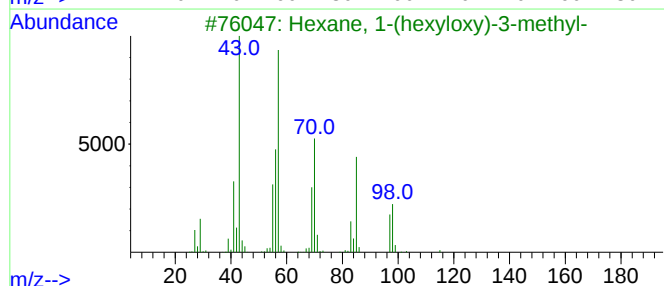
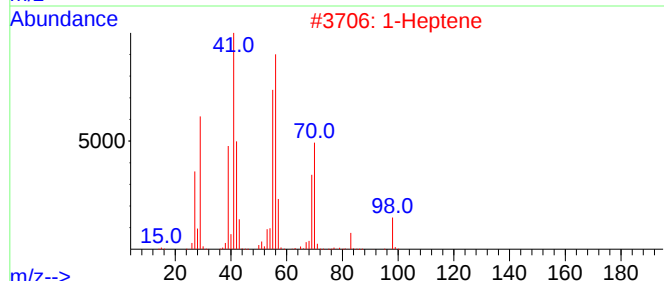
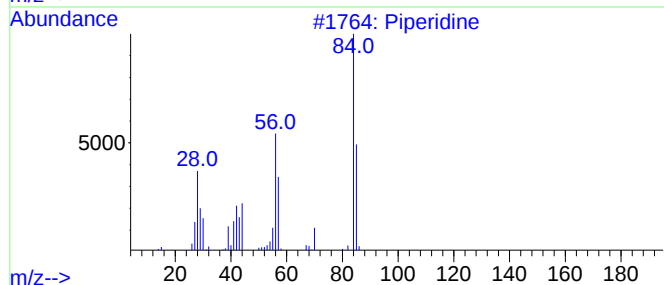
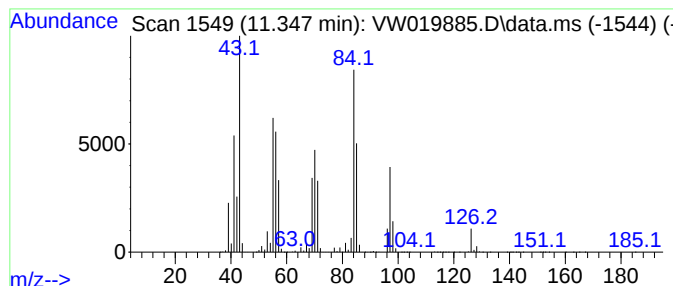
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Quant Title : SFAM01.0

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

Peak Number 33 unknown-04 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.347	93.83 ug/L	126216000	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Piperidine	85	C5H11N	000110-89-4	49
2			1-Heptene	98	C7H14	000592-76-7	38
3			Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	38
4			Imidazole, 2-acetoxy-	126	C5H6N2O2	1000127-84-2	38
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

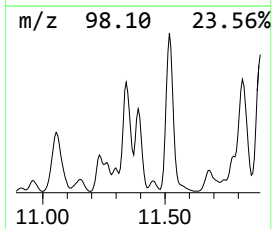
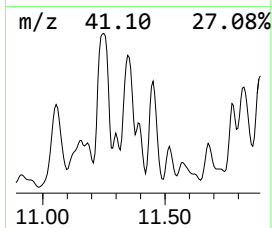
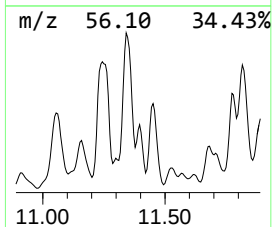
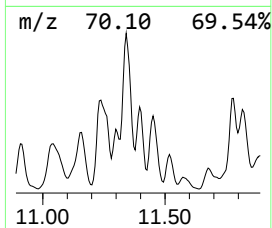
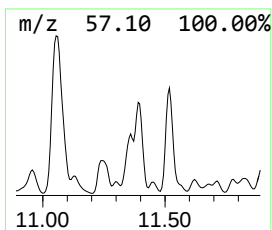
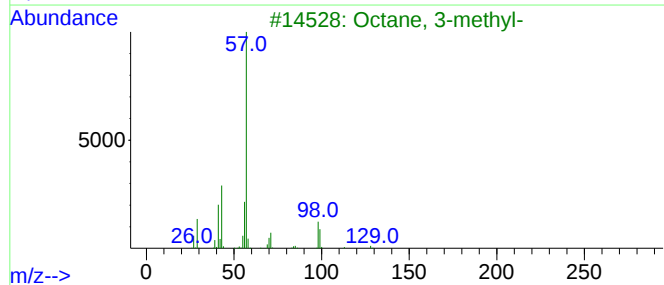
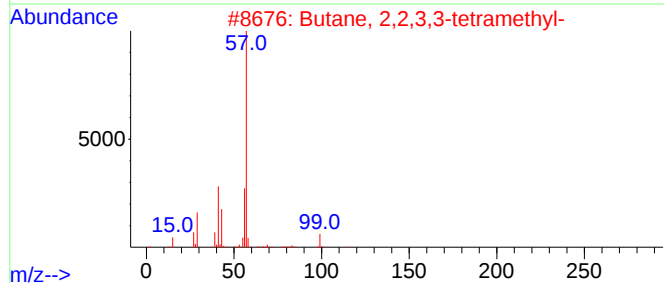
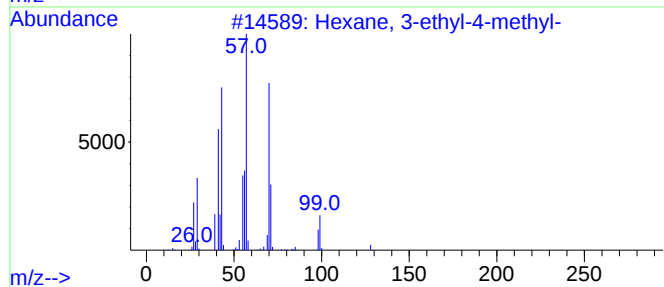
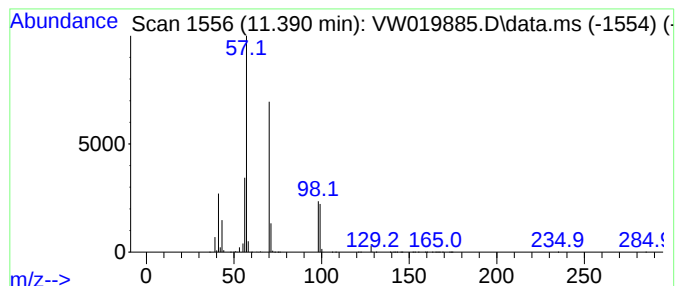
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.390	21.53 ug/L	28960200	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	42
2			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	38
3			Octane, 3-methyl-	128	C9H20	002216-33-3	38
4			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	38
5			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

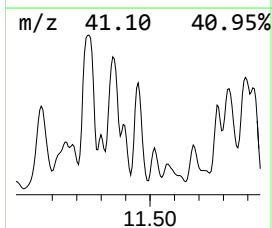
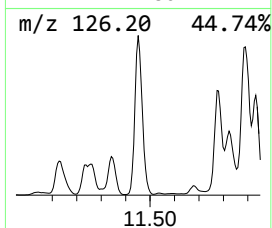
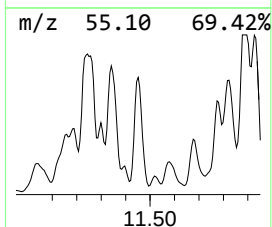
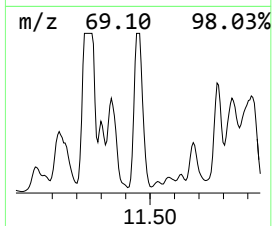
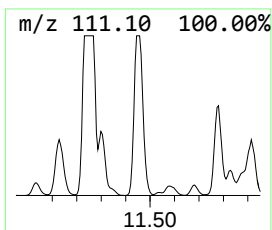
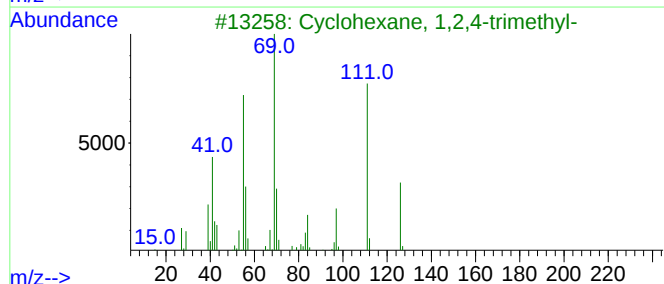
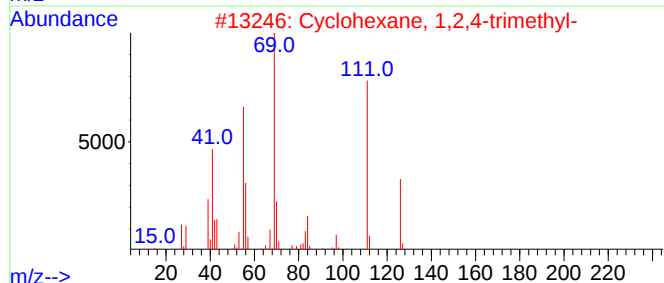
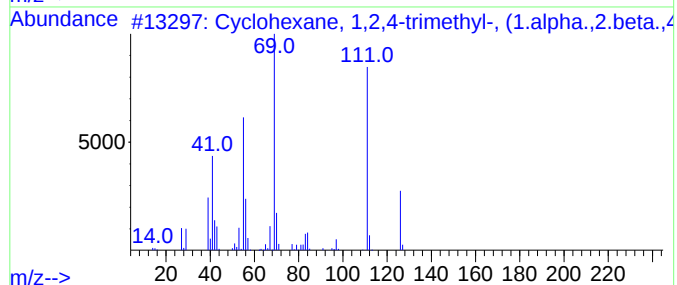
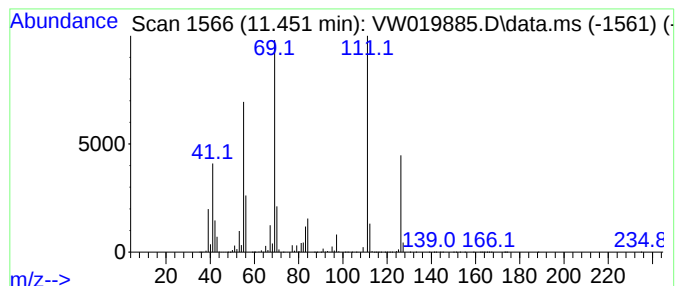
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic11.451 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.451	72.78 ug/L	97904800	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	96
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

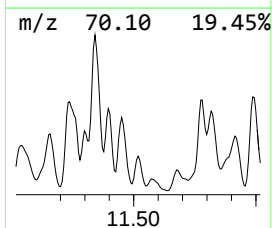
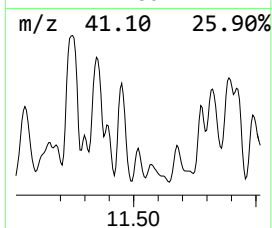
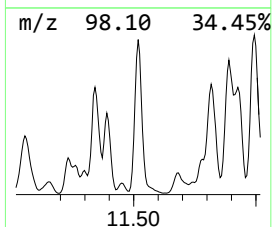
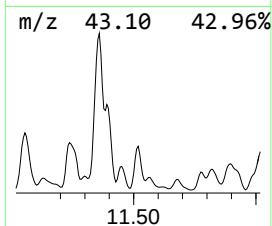
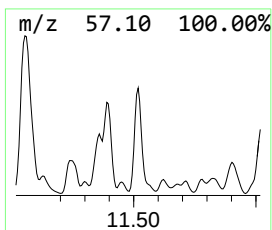
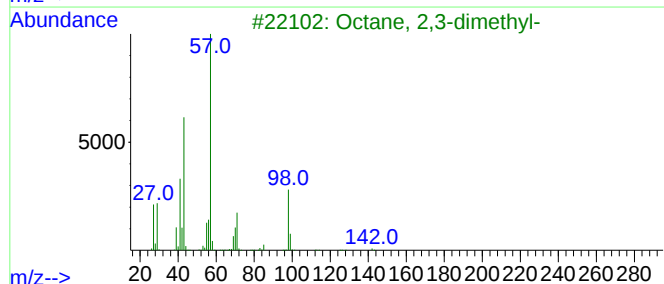
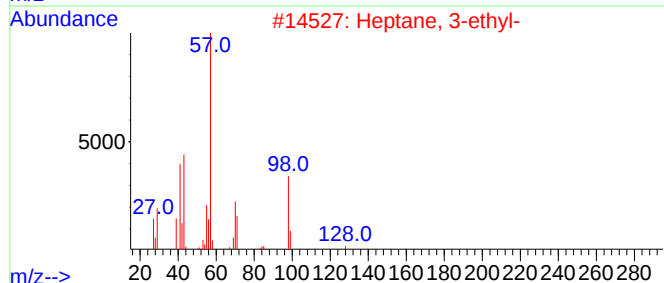
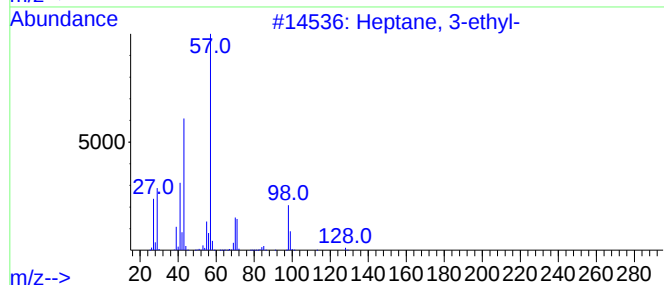
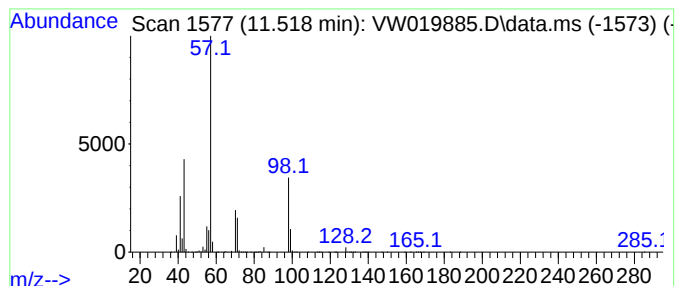
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.518	15.93 ug/L	21423200	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-	128	C9H20	015869-80-4	91
2			Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
3			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
4			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
5			Heptane, 4-propyl-	142	C10H22	003178-29-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

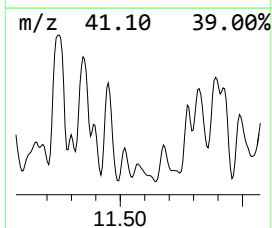
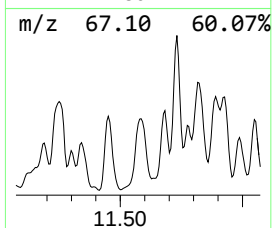
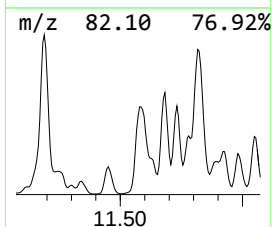
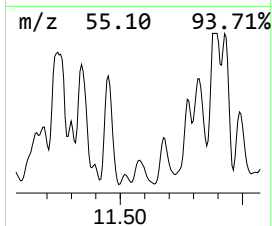
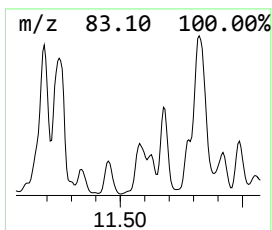
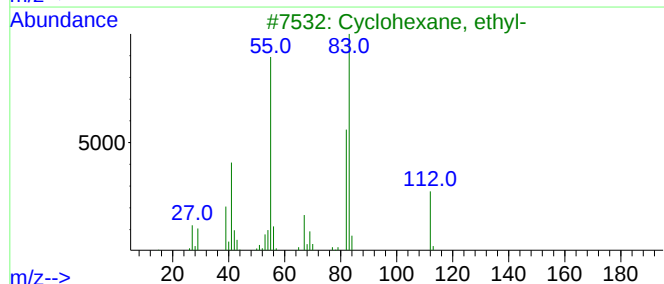
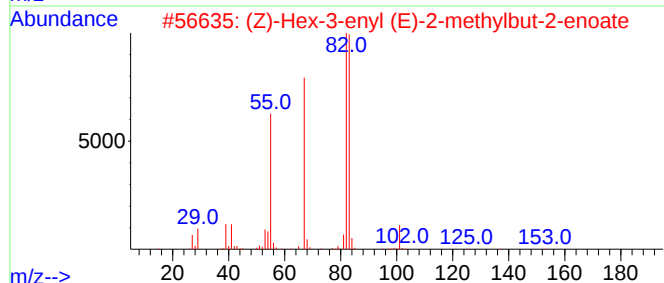
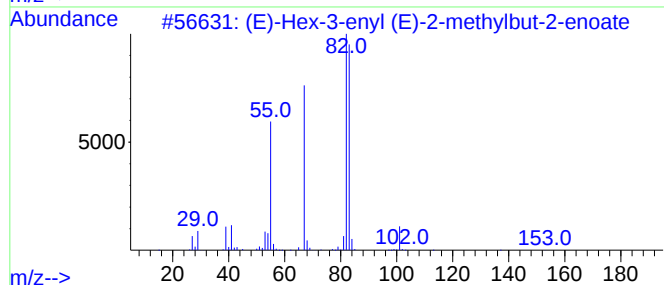
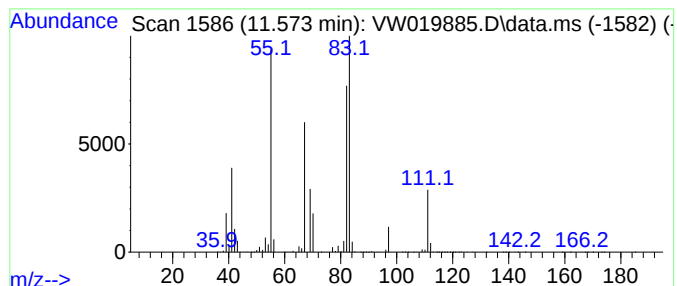
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-05 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.573	9.45 ug/L	12708300	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Hex-3-enyl	(E)-2-methylbut-2...	182	C11H18O2	120603-00-1	45	
2	(Z)-Hex-3-enyl	(E)-2-methylbut-2...	182	C11H18O2	067883-79-8	45	
3	Cyclohexane, ethyl-		112	C8H16	001678-91-7	43	
4	(Z)-(Z)-Hex-3-en-1-yl	2-methylbu...	182	C11H18O2	084060-80-0	38	
5	1-Pentene, 2,3,3-trimethyl-		112	C8H16	000560-23-6	35	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

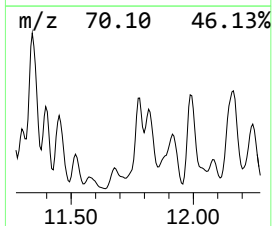
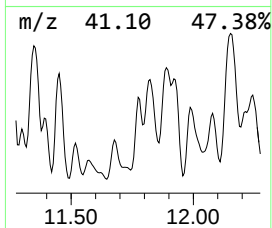
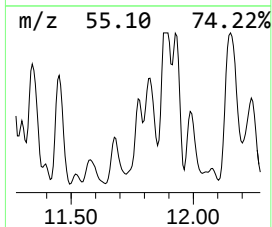
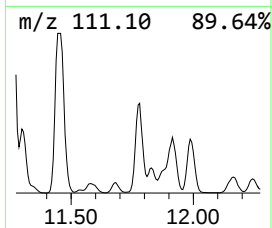
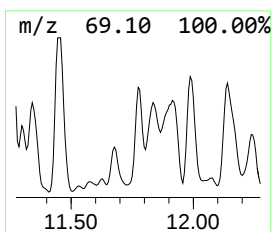
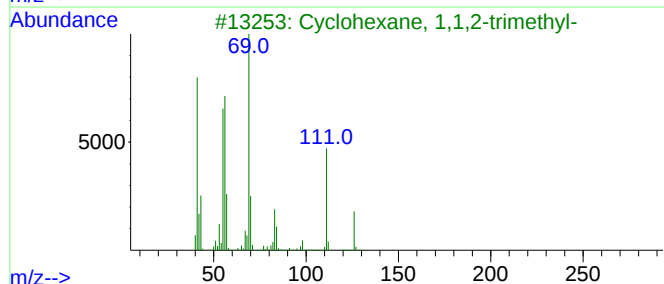
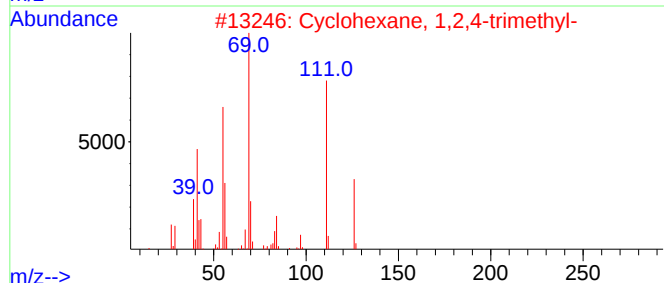
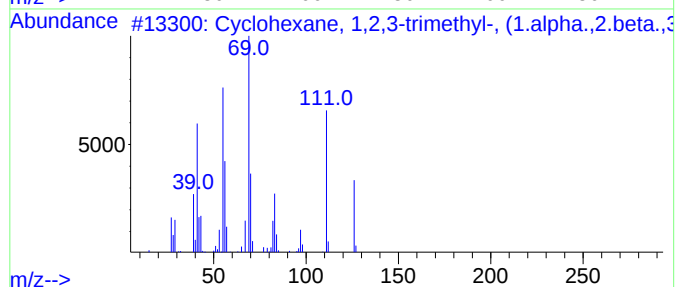
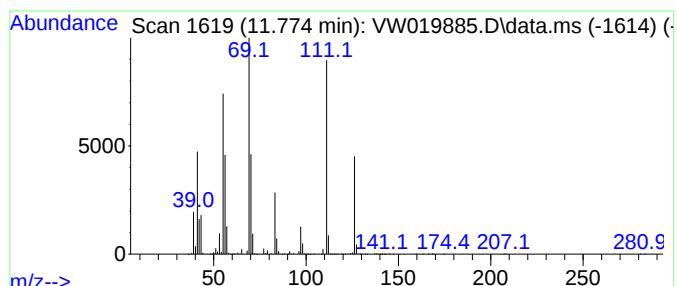
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic11.774 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	44.77 ug/L	60221100	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	95
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

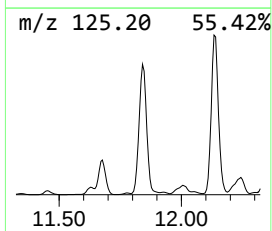
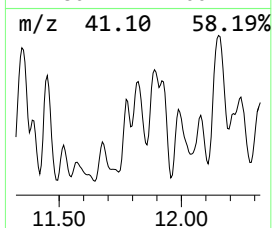
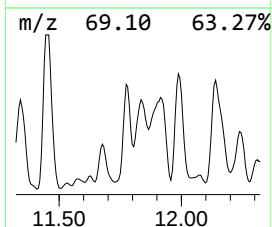
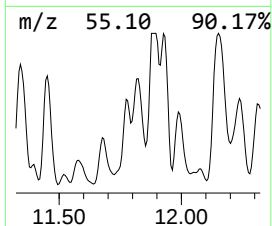
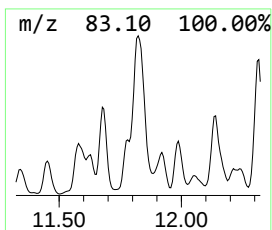
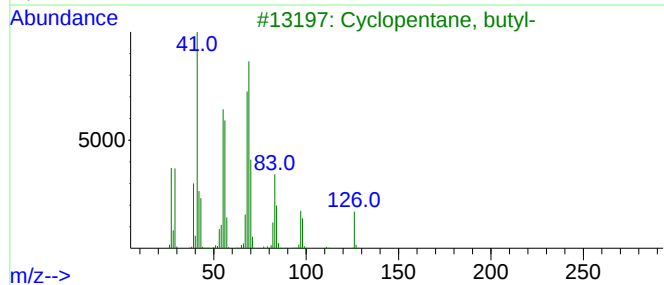
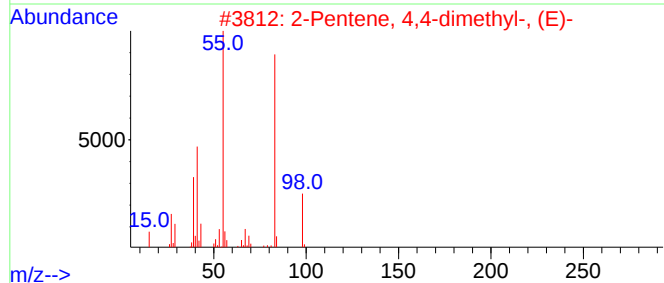
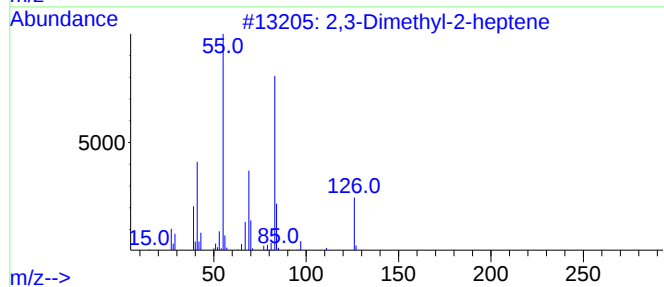
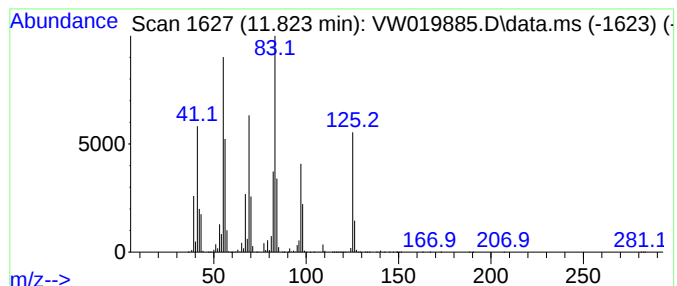
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.823	37.81 ug/L	50860500	Chlorobenzene-d5		11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-2-heptene		126	C9H18	003074-64-4	38
2	2-Pentene, 4,4-dimethyl-, (E)-		98	C7H14	000690-08-4	25
3	Cyclopentane, butyl-		126	C9H18	002040-95-1	25
4	2-Pentene, 4,4-dimethyl-, (Z)-		98	C7H14	000762-63-0	25
5	1-Butene, 2,3,3-trimethyl-		98	C7H14	000594-56-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

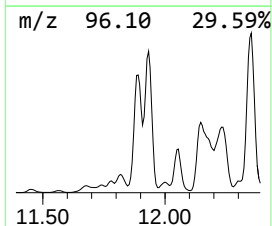
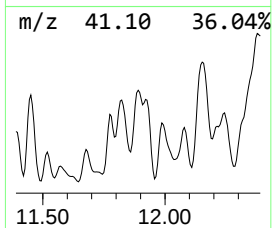
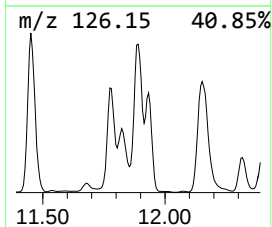
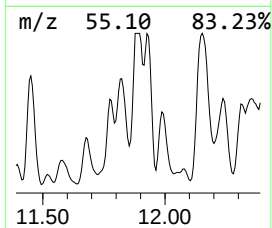
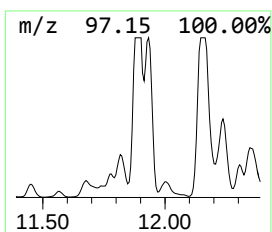
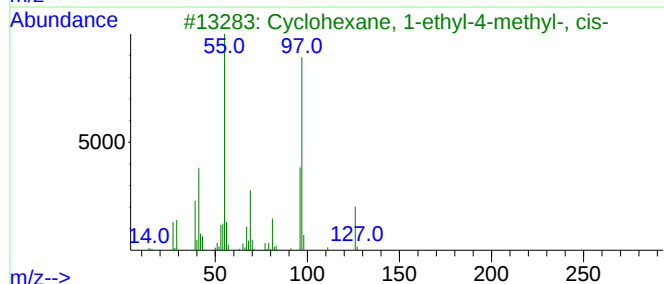
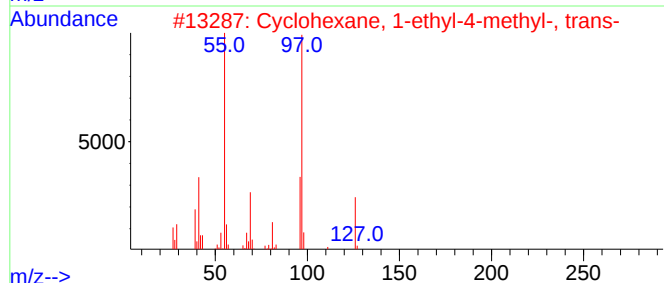
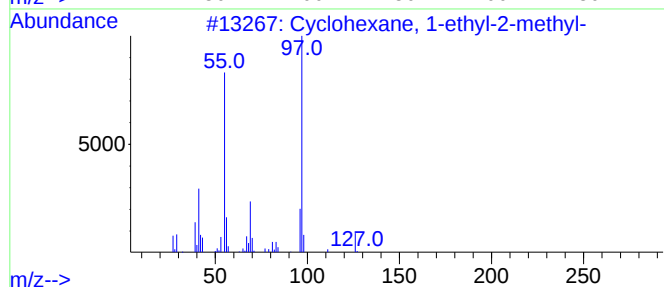
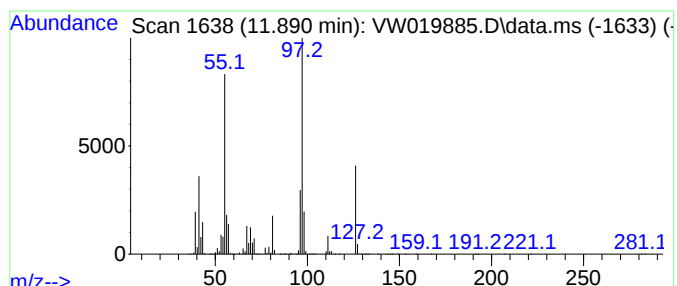
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic11.890 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.890	55.13 ug/L	74160000	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
5			4-Octen-3-one	126	C8H14O	014129-48-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

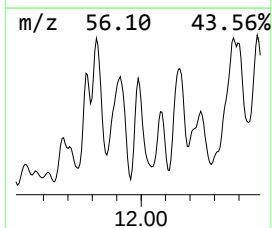
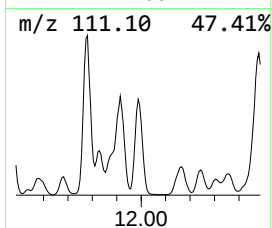
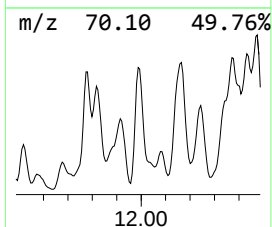
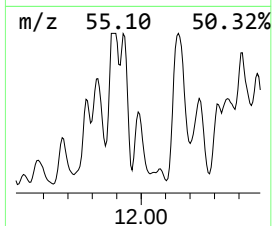
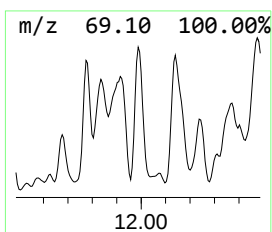
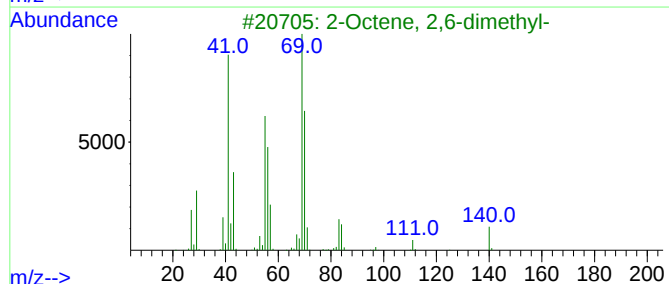
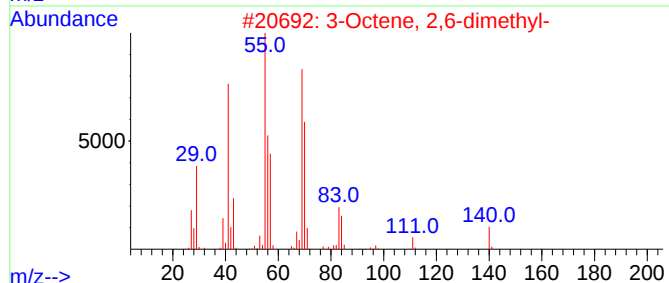
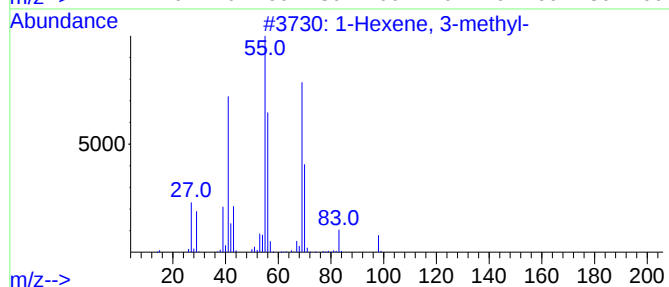
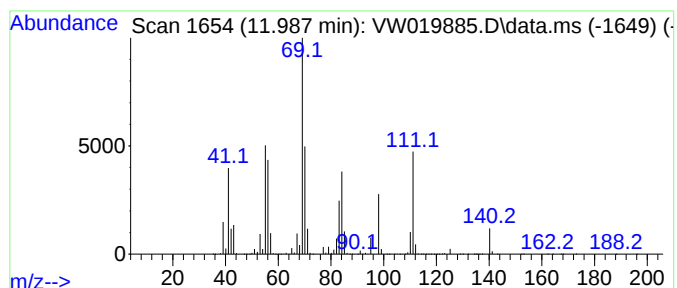
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.988	58.60 ug/L	78833400	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	50
2	3-Octene, 2,6-dimethyl-		140	C10H20	006874-28-8	49
3	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	49
4	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	46
5	3-Hexene, 2-methyl-, (E)-		98	C7H14	000692-24-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

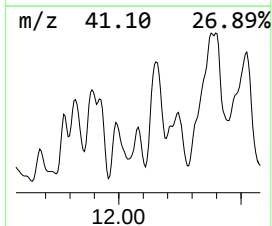
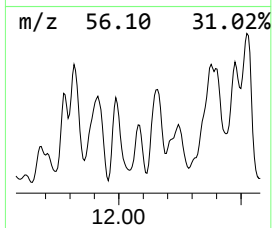
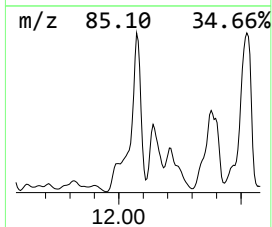
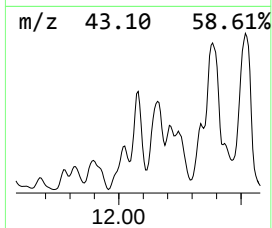
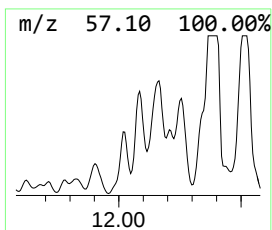
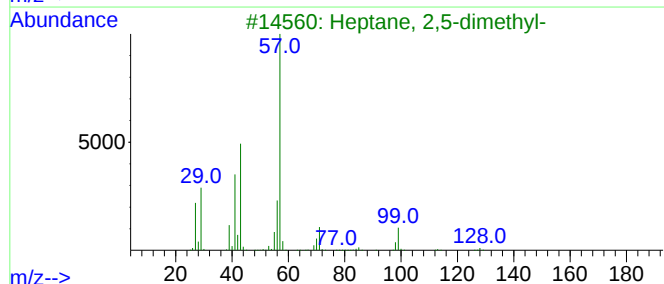
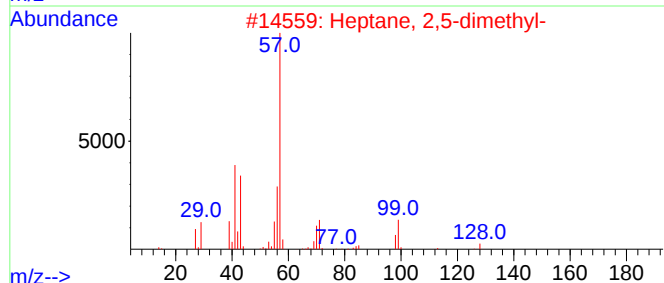
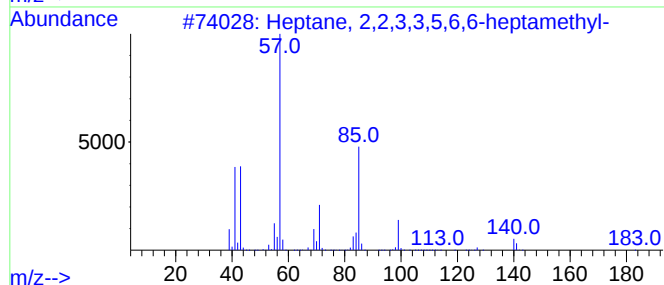
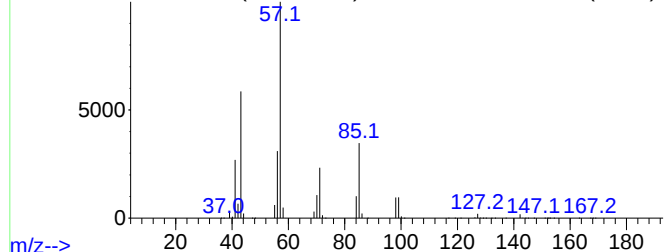
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.079	23.00 ug/L	30946300	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	53
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	47
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47

Abundance Scan 1669 (12.079 min): VW019885.D\data.ms (-1666) (-



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

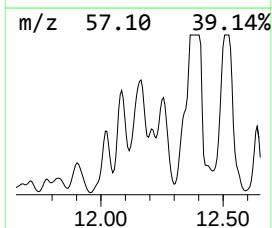
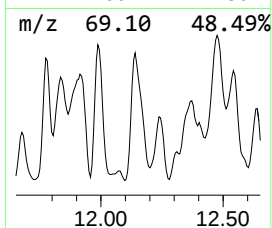
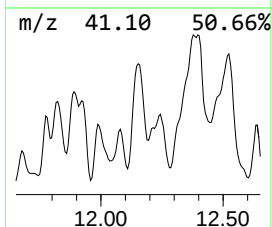
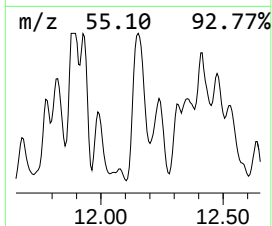
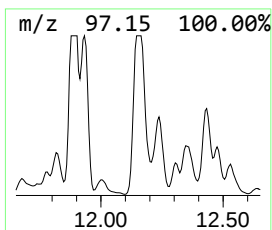
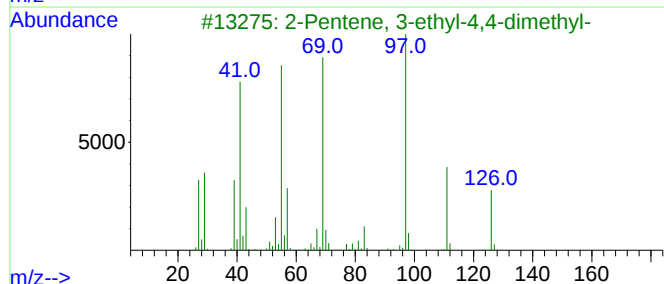
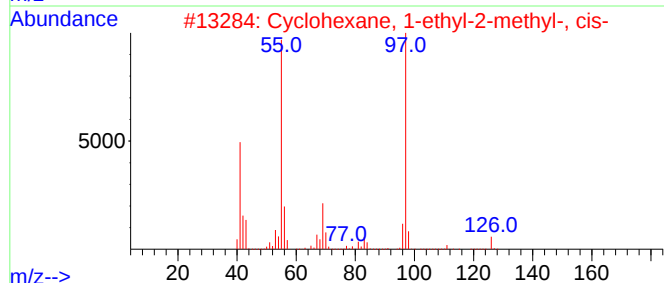
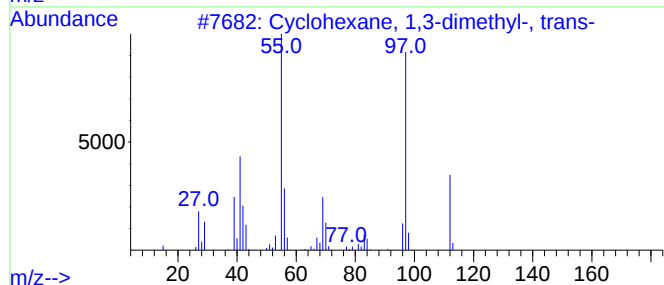
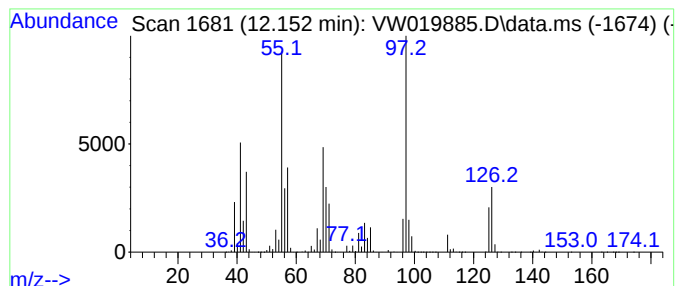
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic12.152 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.152	136.12 ug/L	183115000	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50
3			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	49
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

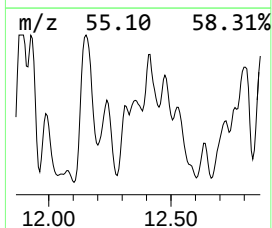
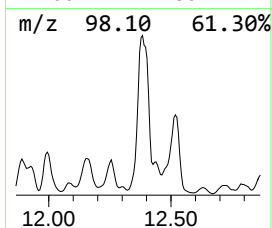
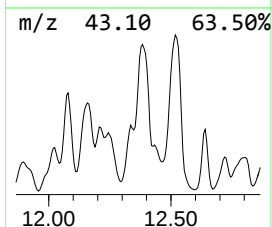
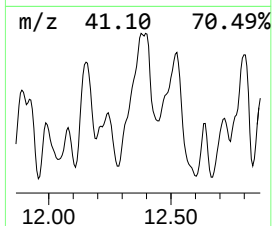
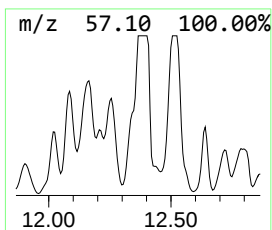
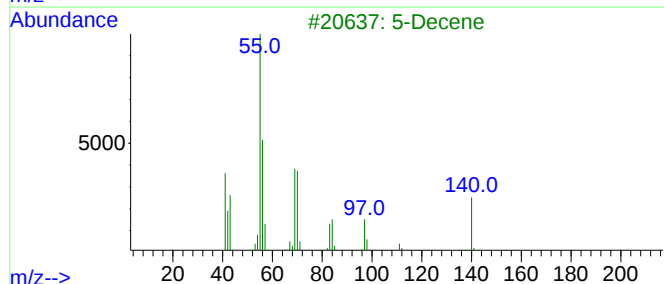
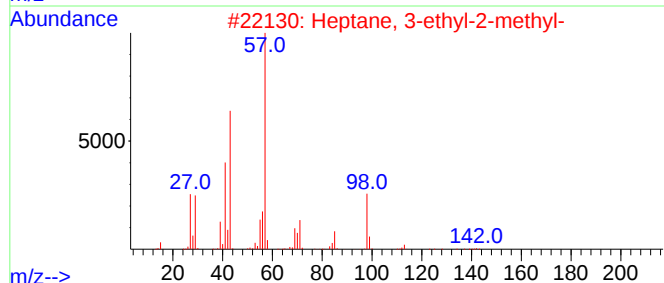
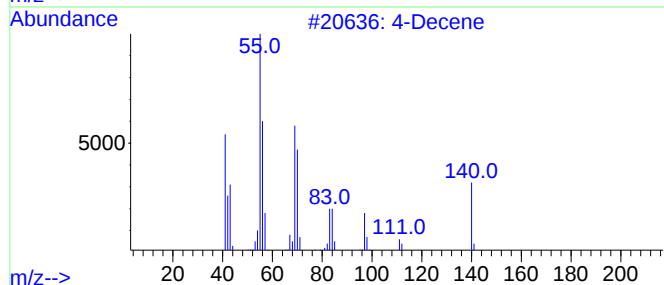
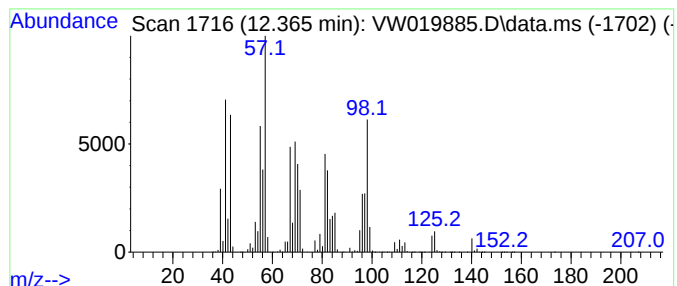
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	195.30 ug/L	262723000	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene		140	C10H20	019689-18-0	42
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	38
3	5-Decene		140	C10H20	019689-19-1	38
4	Cyclopropane, 1,1-diethyl-		98	C7H14	001003-19-6	38
5	cis-4-Decene		140	C10H20	019398-88-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

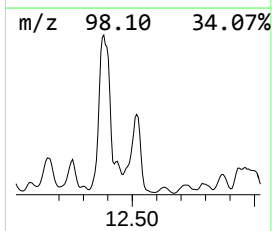
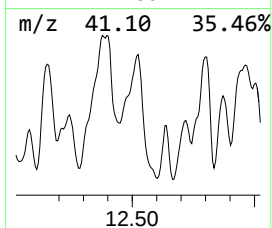
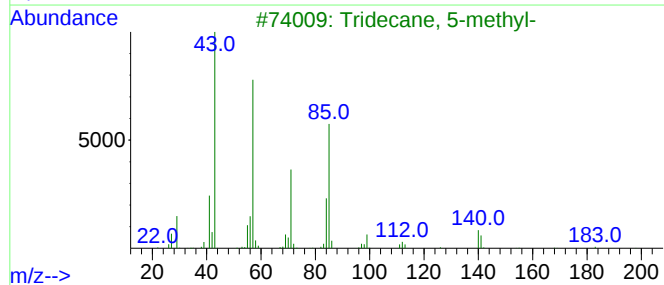
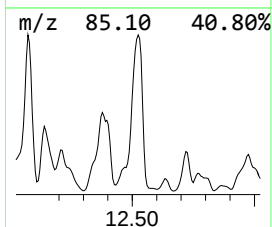
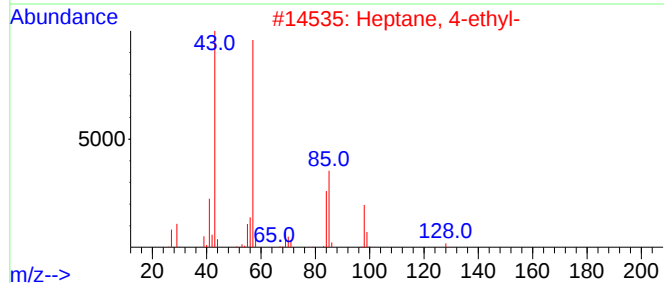
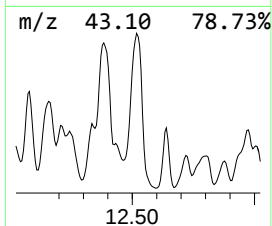
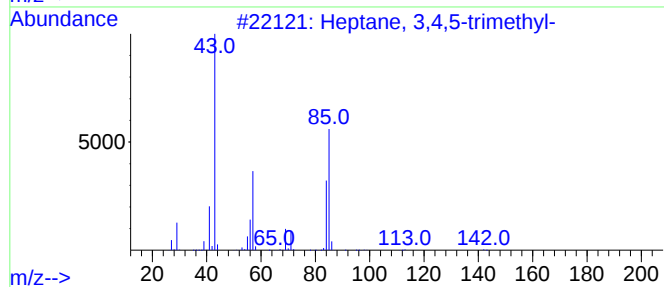
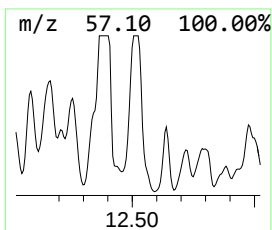
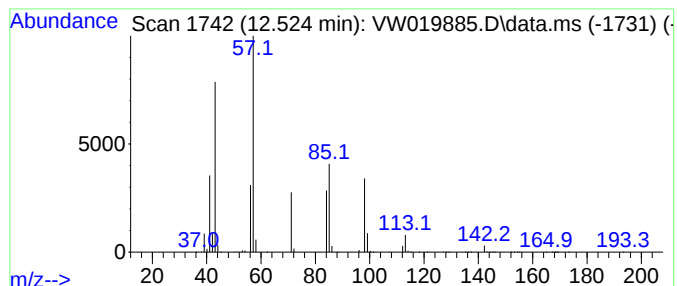
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.524	212.74 ug/L	286183000	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	59
3		Tridecane, 5-methyl-	198	C14H30	025117-31-1	53
4		Nonane	128	C9H20	000111-84-2	53
5		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

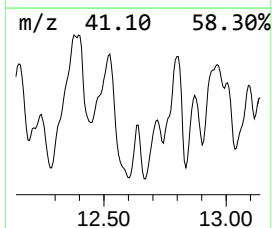
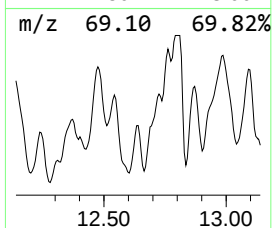
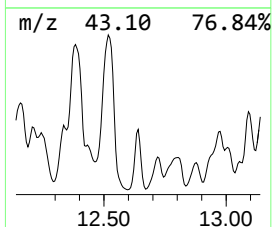
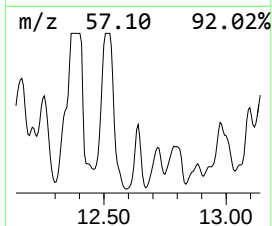
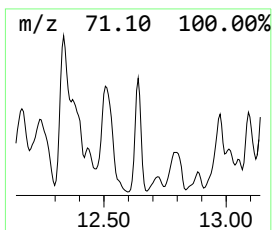
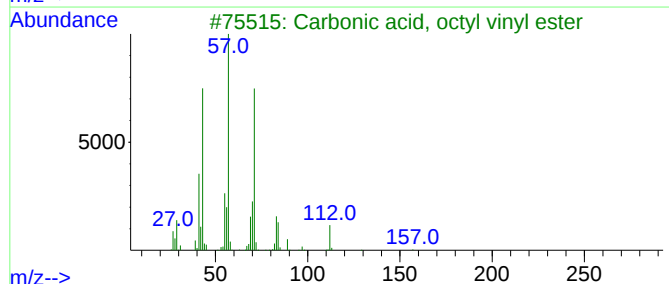
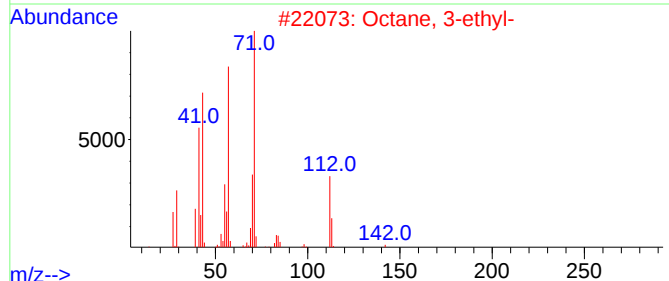
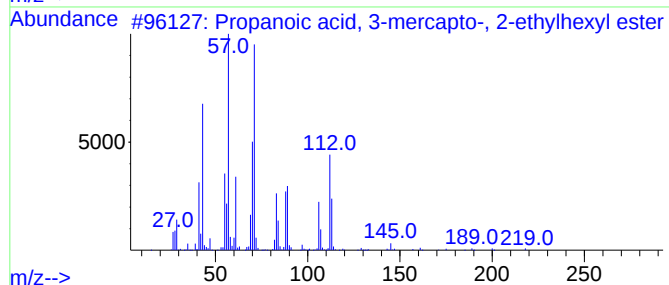
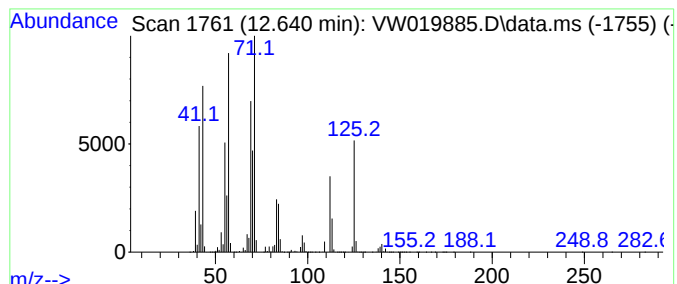
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 46 Propanoic acid, 3-mercapto-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.640	118.81 ug/L	54533400	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Propanoic acid, 3-mercapto-, 2-e...		218	C11H22O2S	050448-95-8	72
2	Octane, 3-ethyl-		142	C10H22	005881-17-4	58
3	Carbonic acid, octyl vinyl ester		200	C11H20O3	1000383-25-5	53
4	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	50
5	Nonane, 2,3-dimethyl-		156	C11H24	002884-06-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

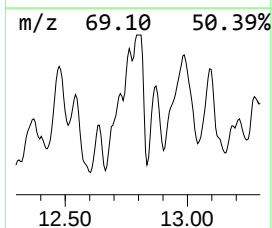
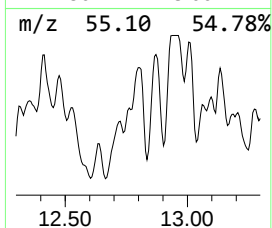
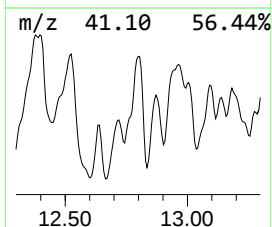
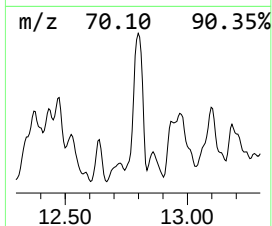
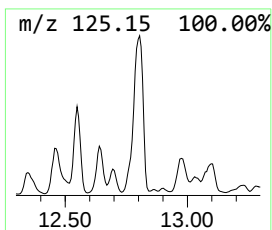
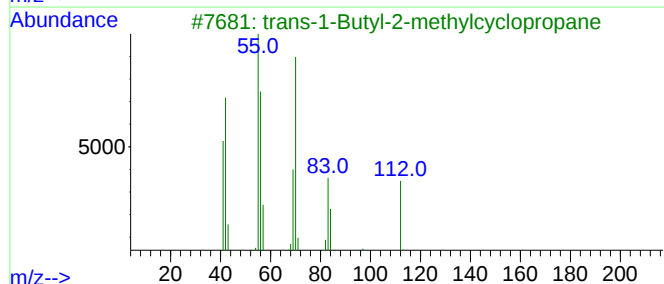
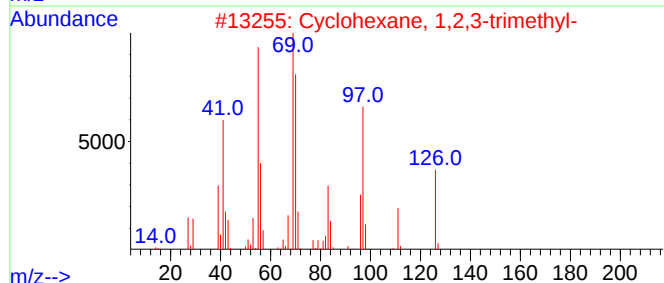
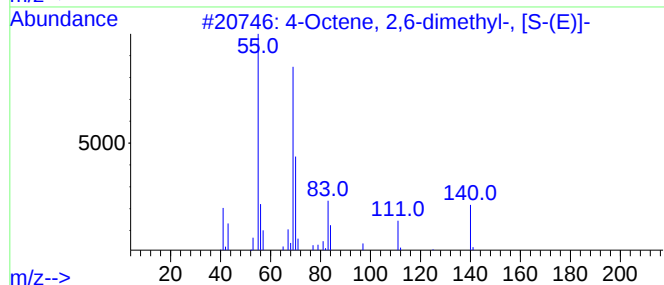
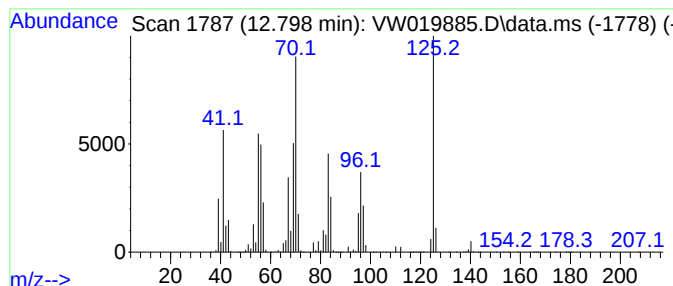
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	435.76 ug/L	200016000	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	47
2		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
3		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	43
4		2,4-Diamino-6-methyl-1,3,5-triazine	125	C4H7N5	000542-02-9	30
5		1-Decene	140	C10H20	000872-05-9	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

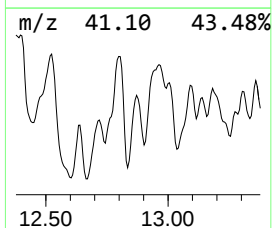
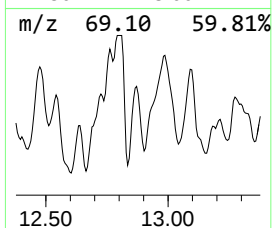
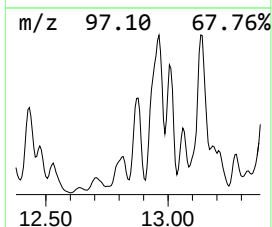
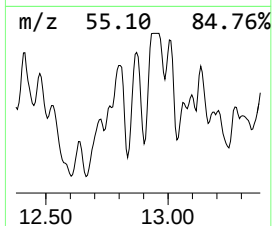
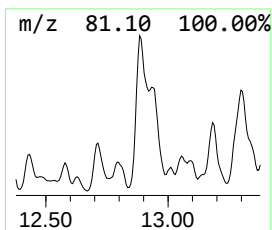
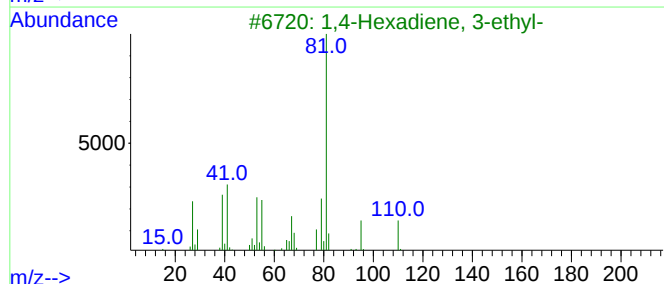
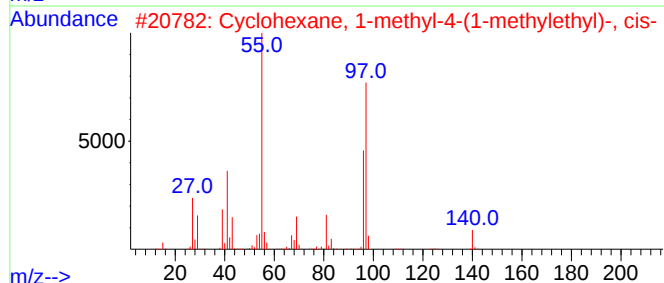
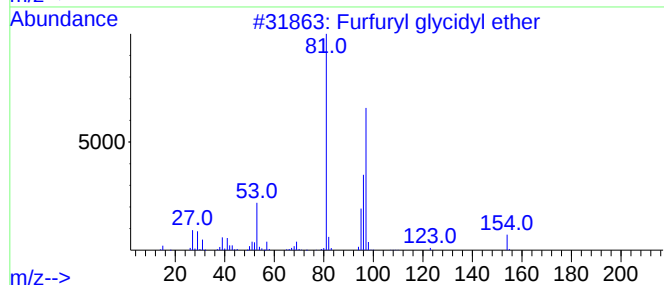
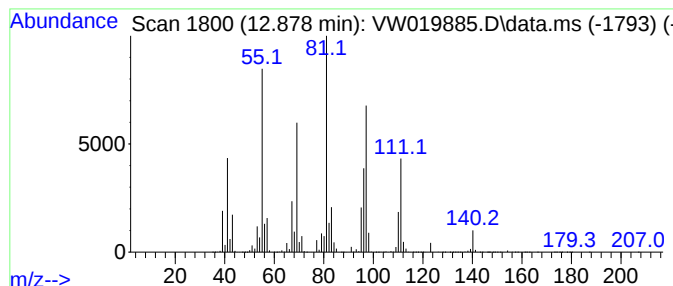
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 unknown-06

Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.878	256.44 ug/L	117708000	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furfuryl glycidyl ether	154	C8H10O3	005380-87-0	47
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
3			1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	38
4			Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	35
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

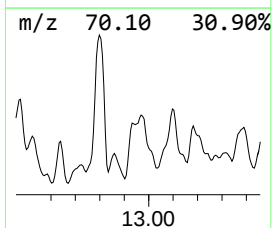
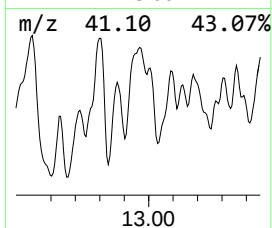
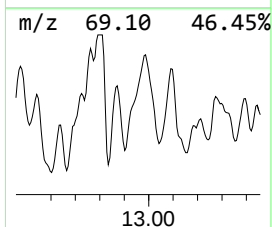
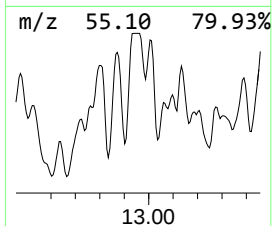
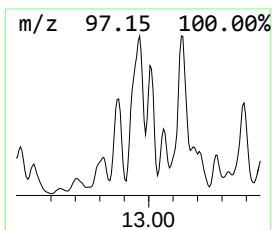
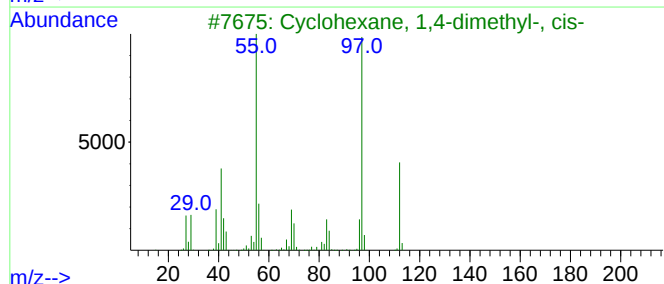
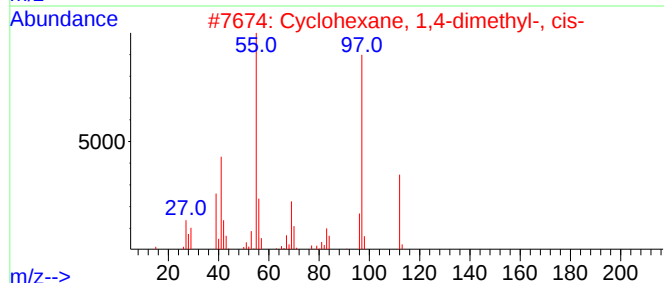
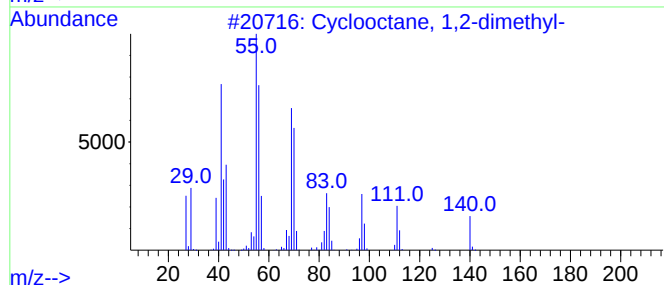
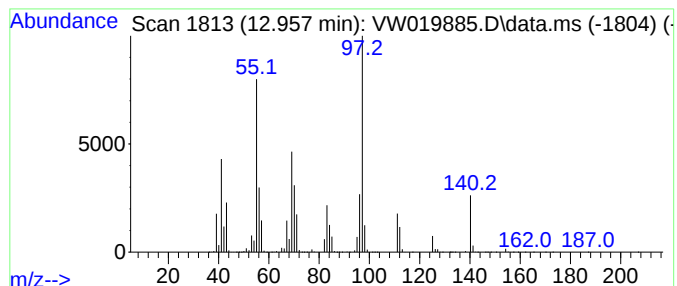
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Cyclic12.957 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.957	365.98 ug/L	167984000	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	53
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
4			Cyclopropane, 1-ethyl-2-pentyl-	140	C10H20	062238-08-8	49
5			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

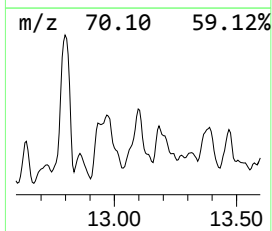
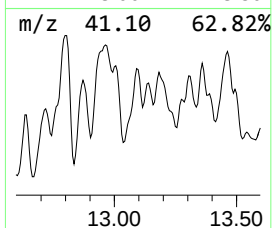
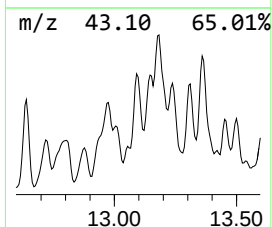
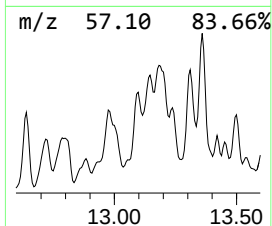
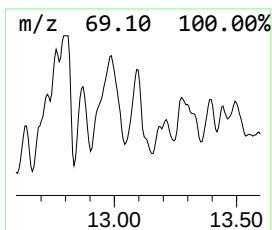
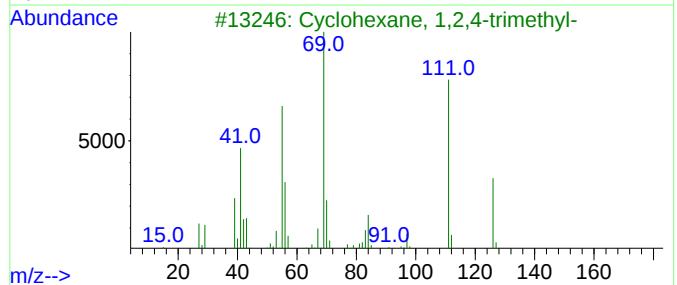
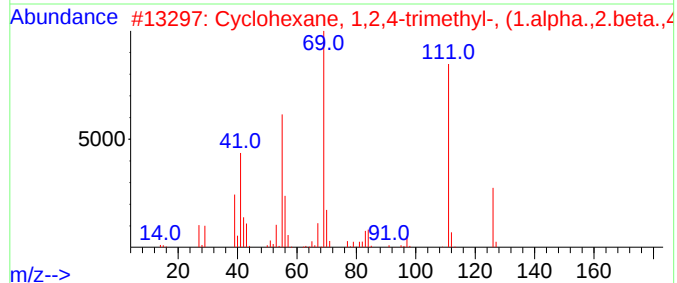
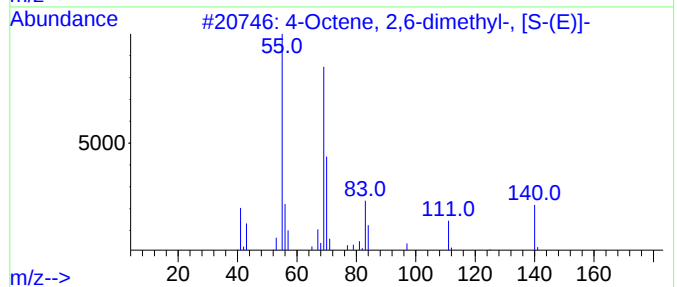
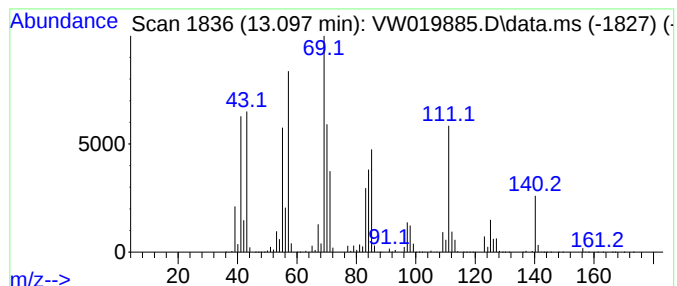
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	182.24 ug/L	83648400	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	46
2		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	38
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38
5		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

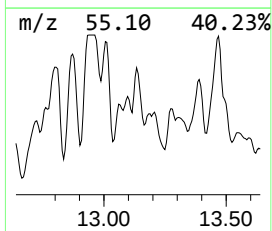
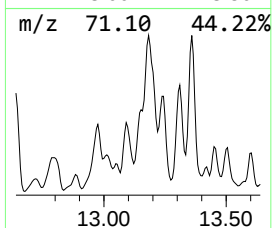
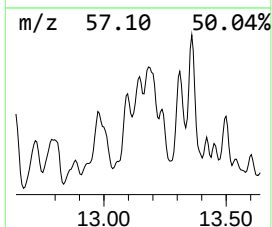
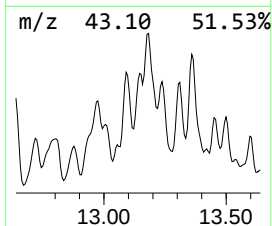
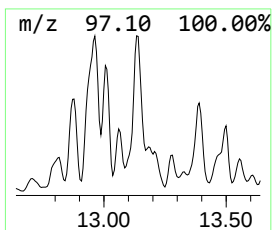
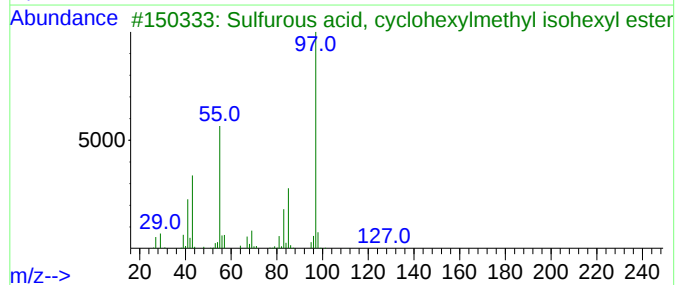
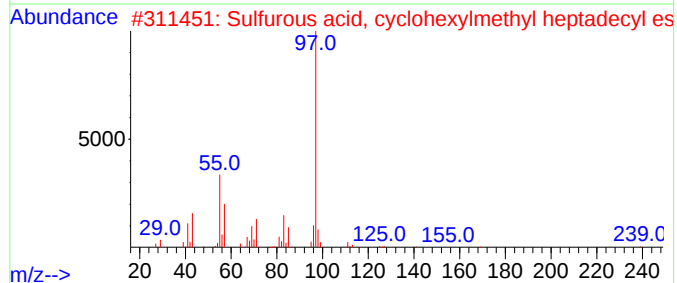
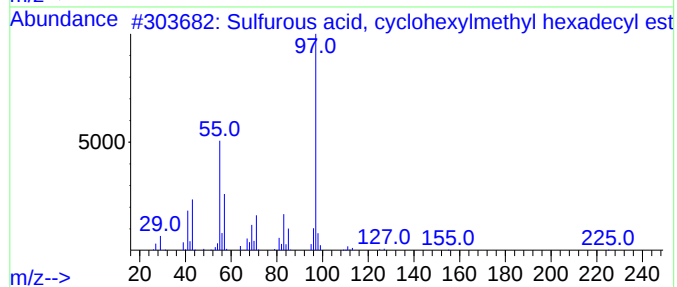
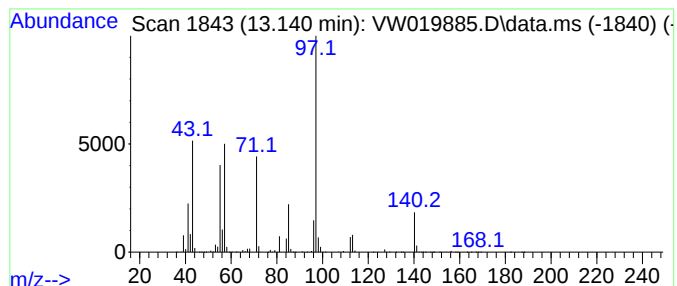
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Quant Title : SFAM01.0

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

Peak Number 51 Sulfurous acid, cyclohexylm... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.140	56.24 ug/L	25814600	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	50
2			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	50
3			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	47
4			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	47
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

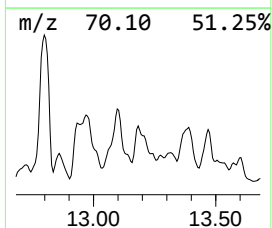
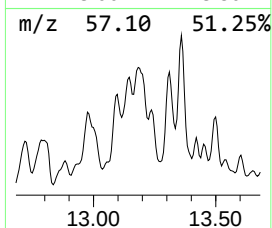
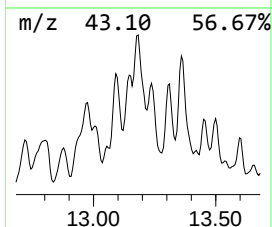
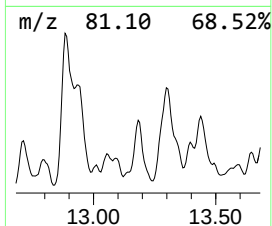
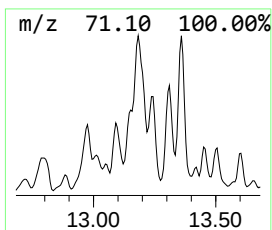
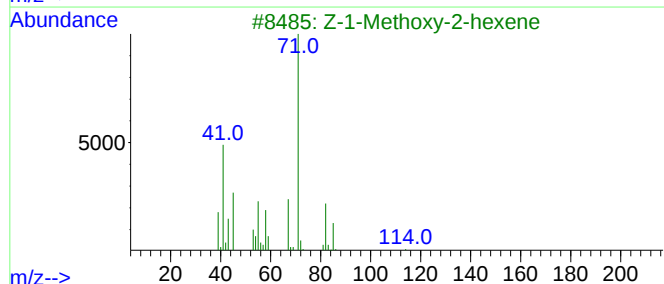
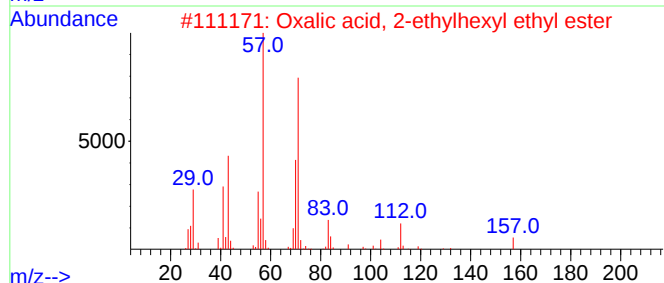
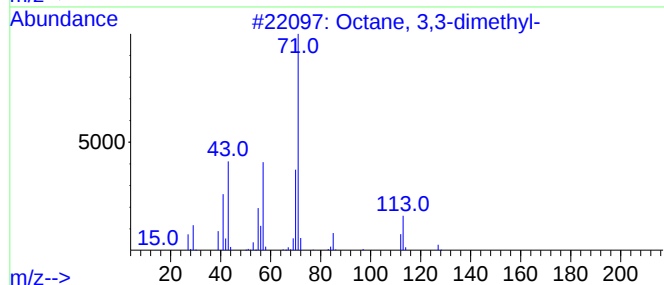
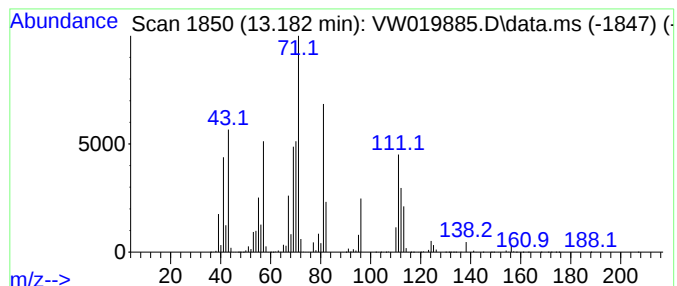
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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.182	179.81 ug/L	82531100	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-		142	C10H22		004110-44-5	38
2	Oxalic acid, 2-ethylhexyl ethyl ...		230	C12H22O4		1000309-38-4	38
3	Z-1-Methoxy-2-hexene		114	C7H14O		1000279-60-9	38
4	Decane, 4-methyl-		156	C11H24		002847-72-5	38
5	1,5,7-Octatrien-3-ol, 3,7-dimethyl-		152	C10H16O		029957-43-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

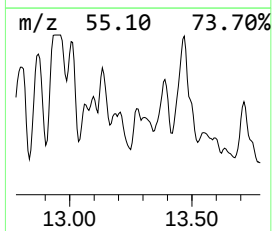
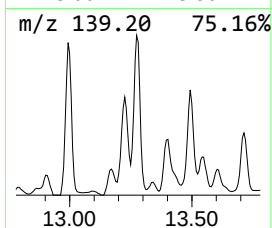
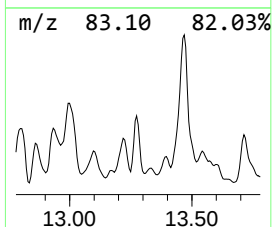
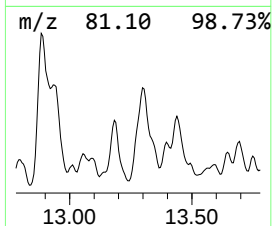
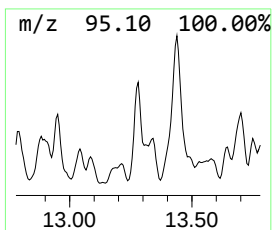
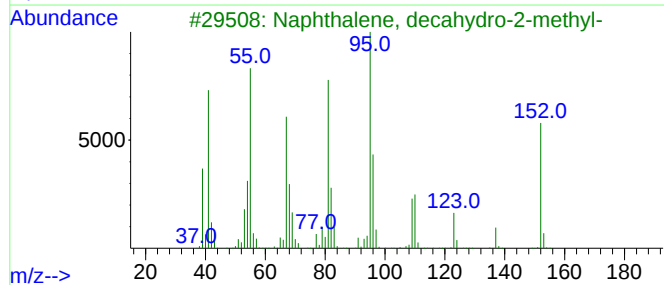
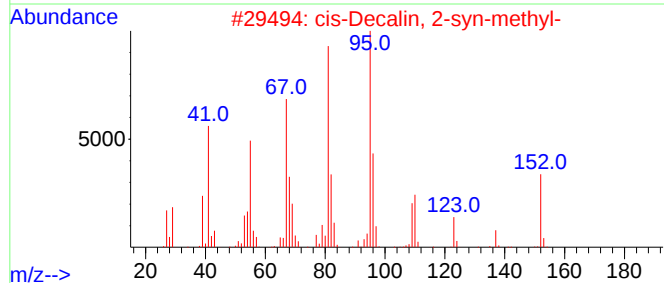
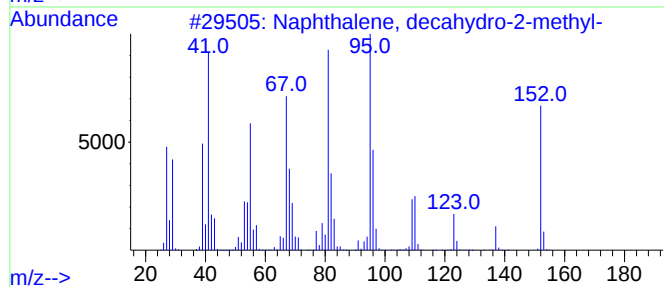
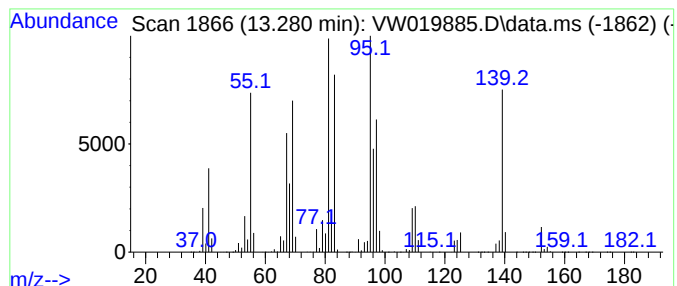
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 53 Naphthalene, decahydro-2-me... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.280	64.32 ug/L	29520900	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	60
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	45
5	(-)-trans-Pinane	138	C10H18	033626-25-4	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

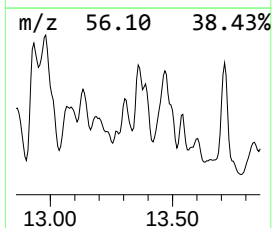
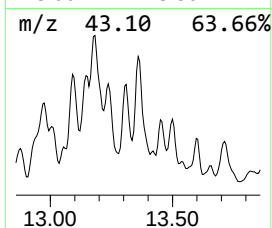
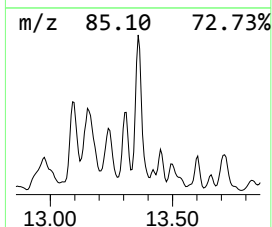
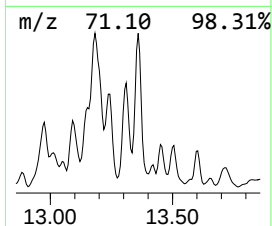
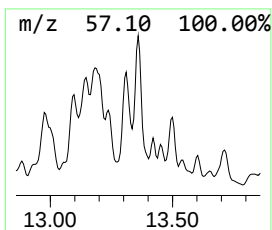
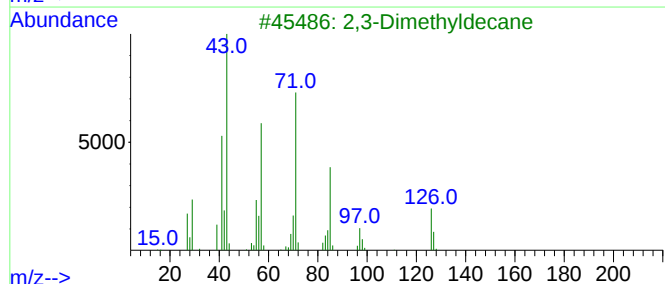
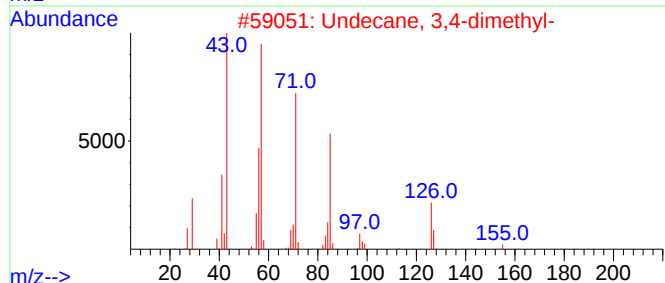
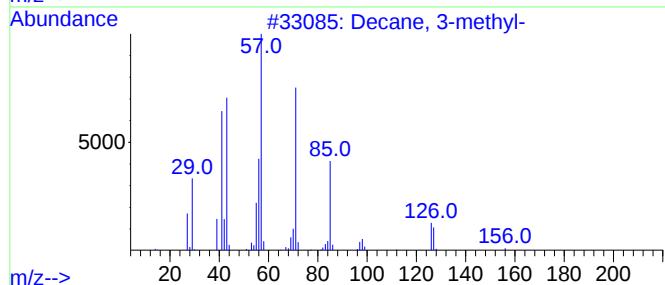
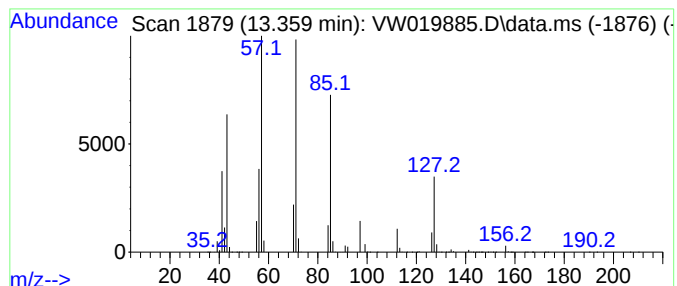
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.359	37.37 ug/L	17152700	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	72
3	2,3-Dimethyldecane	170	C12H26	017312-44-6	59
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53
5	Vinyl 2-ethyl-2,5-dimethylhexanoate	198	C12H22O2	1000498-24-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

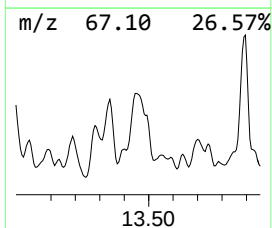
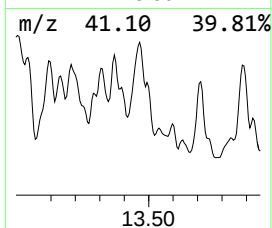
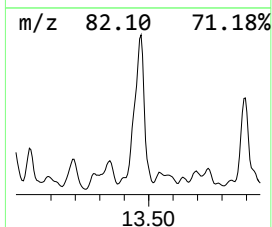
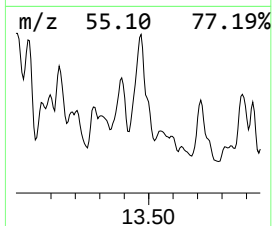
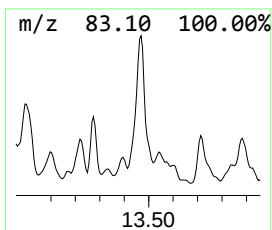
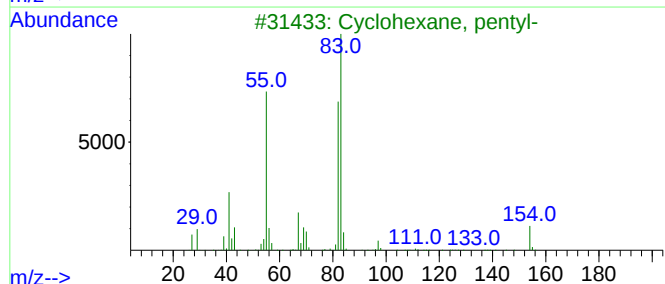
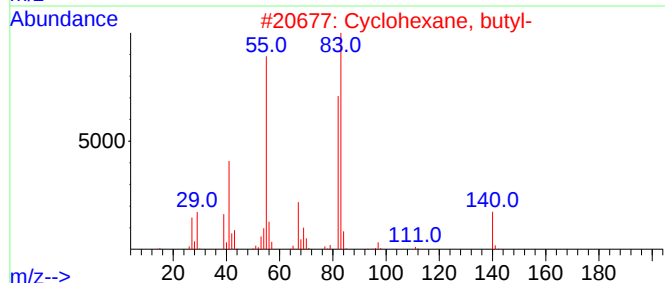
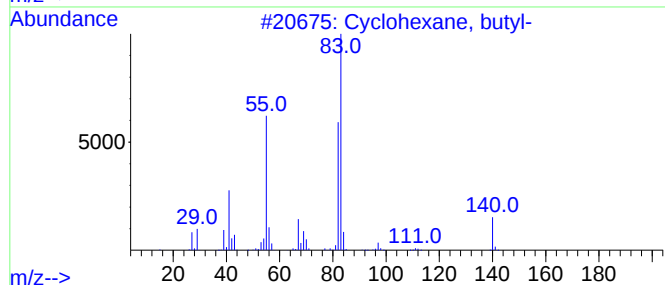
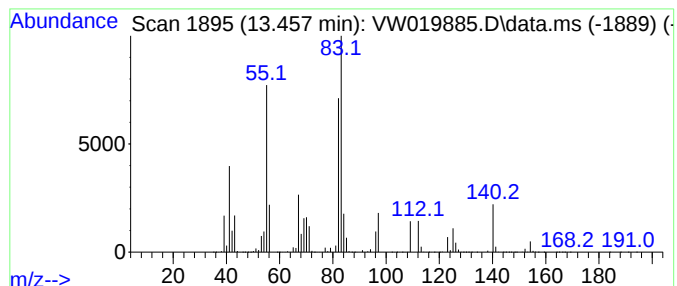
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Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Cyclic13.457 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	183.31 ug/L	84138500	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	68
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	68
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	62
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	58
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

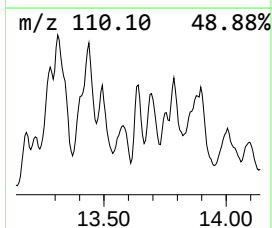
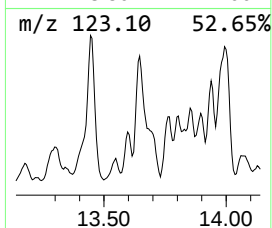
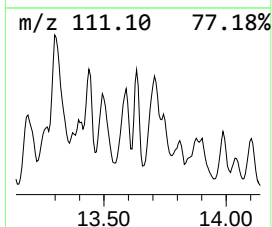
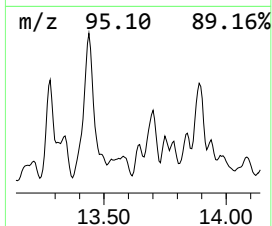
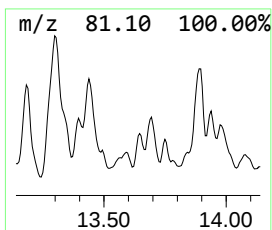
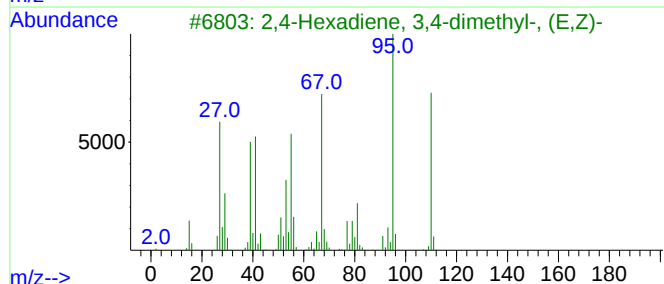
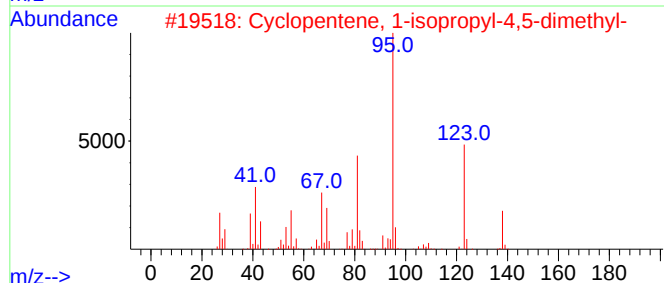
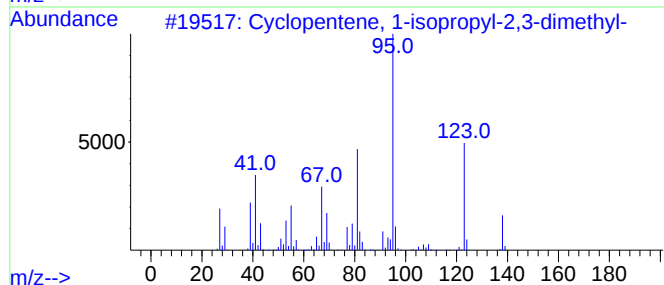
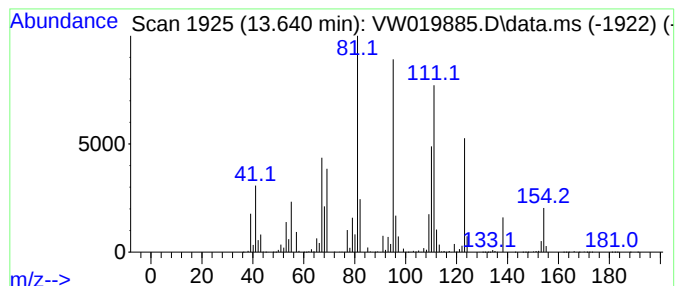
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Quant Title : SFAM01.0

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

Peak Number 56 unknown-07 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.640	25.00 ug/L	11475000	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	38
2			Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	38
3			2,4-Hexadiene, 3,4-dimethyl-, (E...	110	C8H14	002417-88-1	38
4			Cyclohexane, ethylidene-	110	C8H14	001003-64-1	38
5			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

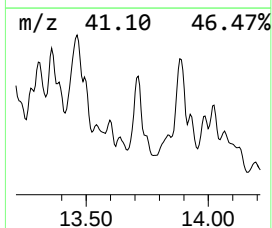
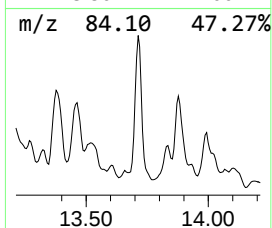
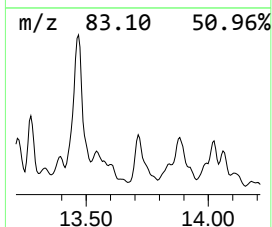
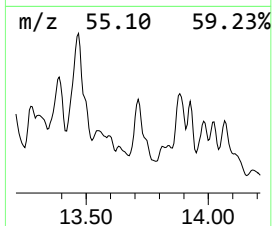
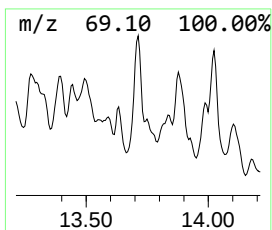
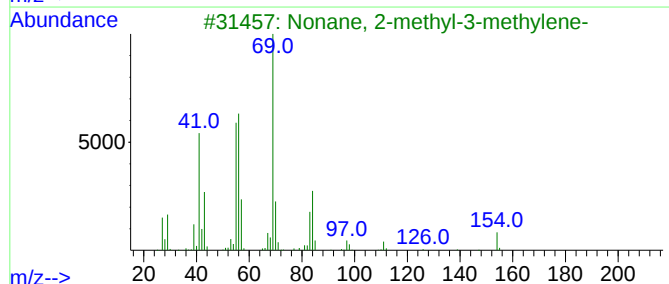
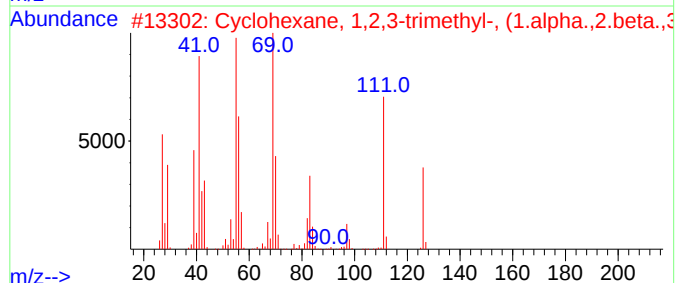
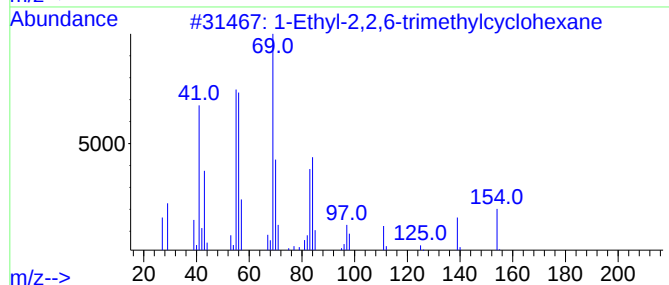
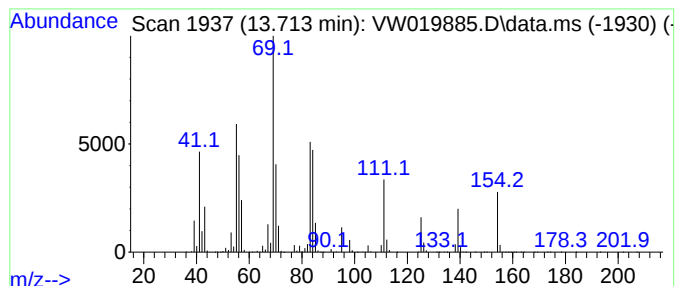
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Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Cyclic13.713 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	149.23 ug/L	68497000	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	90
2			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	52
3			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	50
4			4-Nonene, 5-methyl-	140	C10H20	015918-07-7	50
5			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

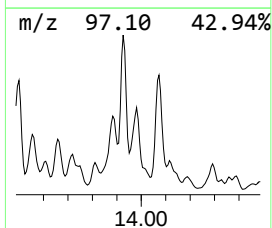
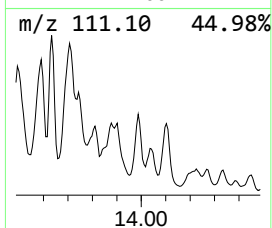
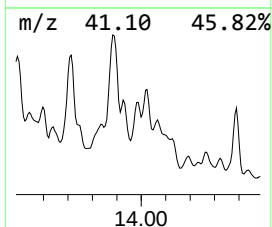
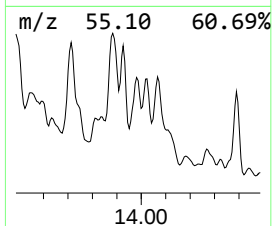
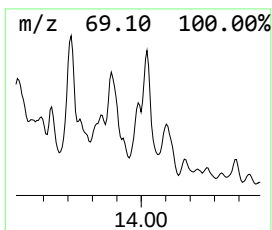
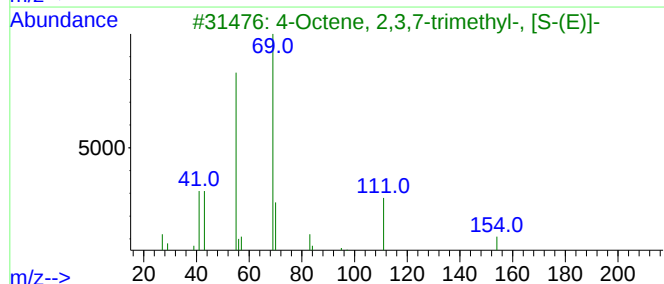
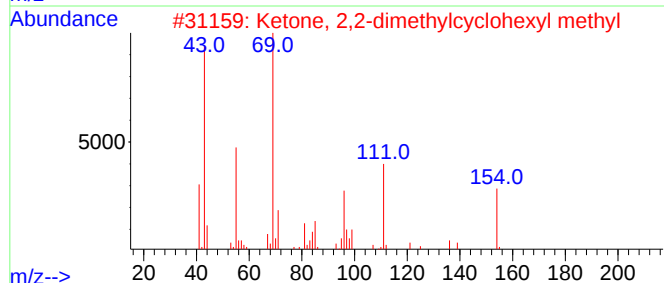
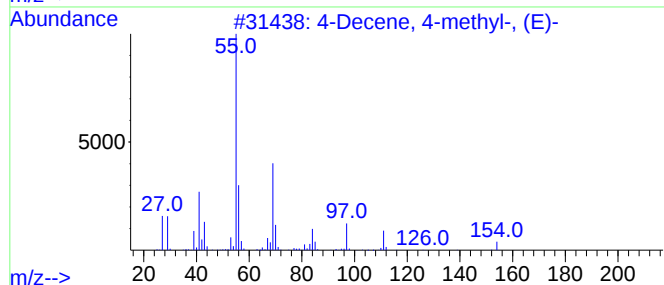
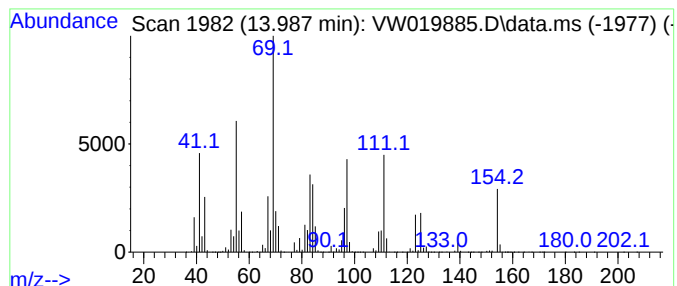
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.987	58.33 ug/L	26771500	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	50
2	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	49
3	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	43
4	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	38
5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

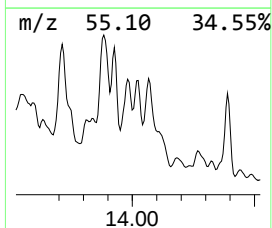
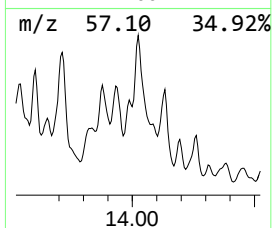
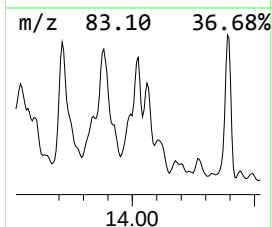
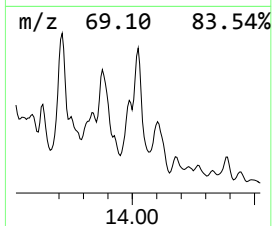
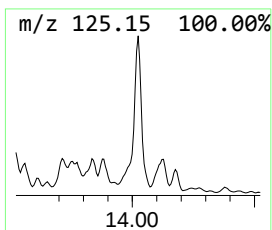
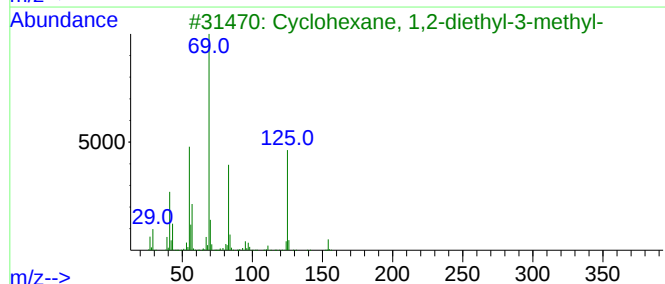
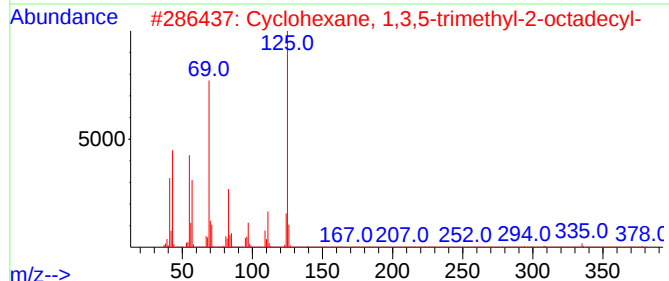
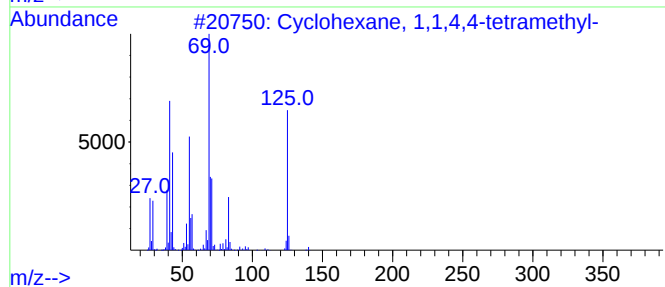
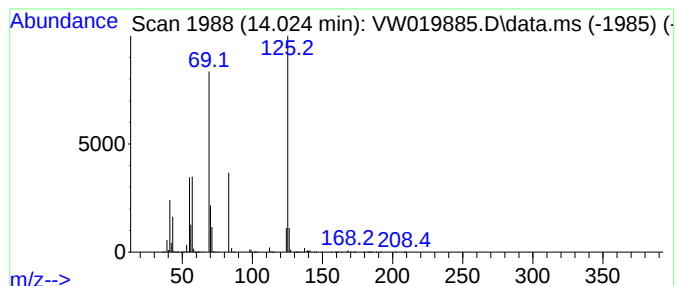
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Quant Title : SFAM01.0

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

Peak Number 59 (DEL) Alkane: Cyclic14.024 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.024	51.42 ug/L	23601600	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	72
2			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	64
3			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

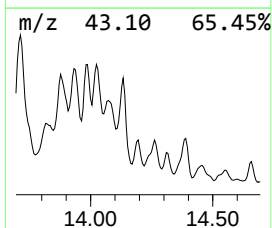
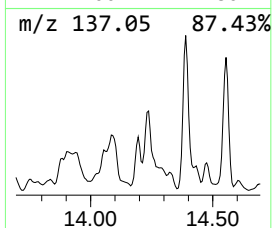
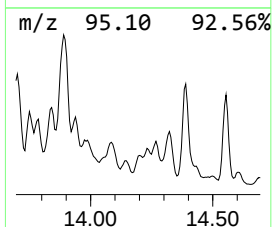
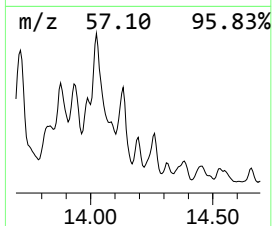
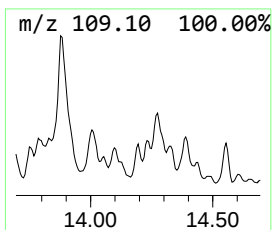
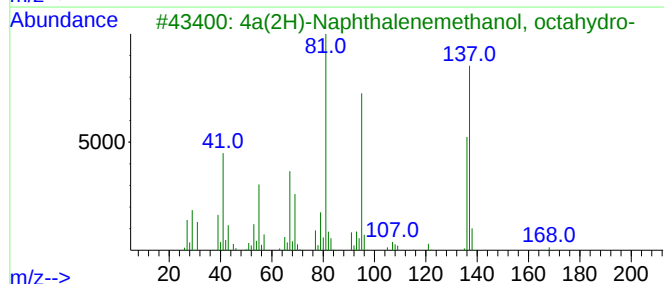
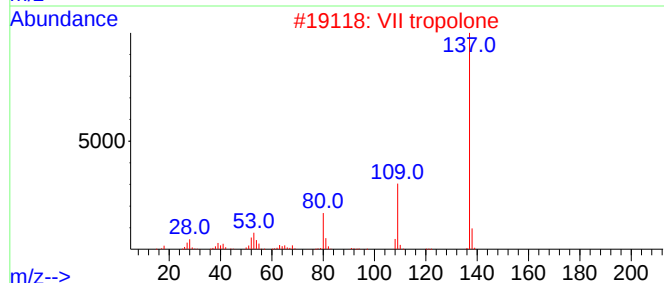
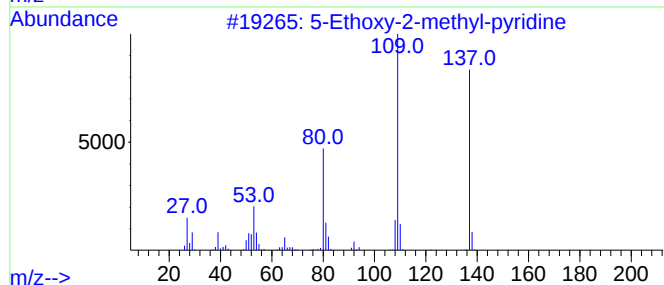
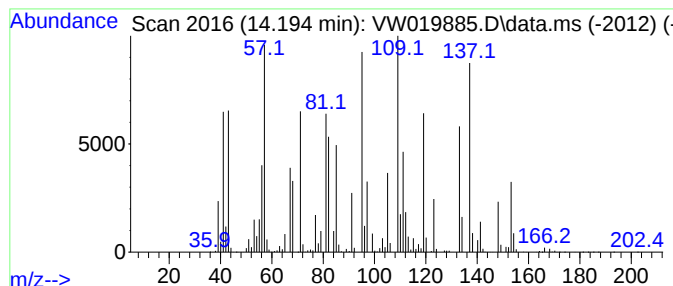
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Quant Title : SFAM01.0

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

Peak Number 60 unknown-08 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	21.78 ug/L	9997150	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Ethoxy-2-methyl-pyridine	137	C8H11NO	055270-48-9	25
2			VII tropolone	137	C7H7NO2	007021-46-7	25
3			4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	22
4			Cyclohexene, 4,5-diethyl-1,2-dim...	166	C12H22	014113-70-3	12
5			1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

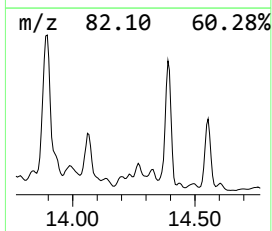
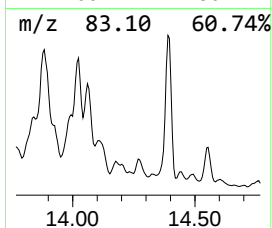
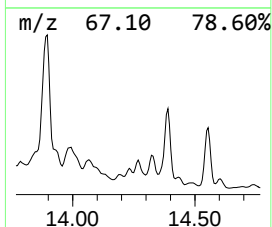
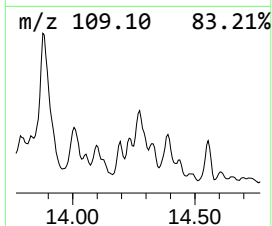
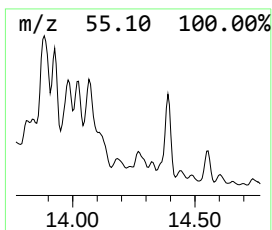
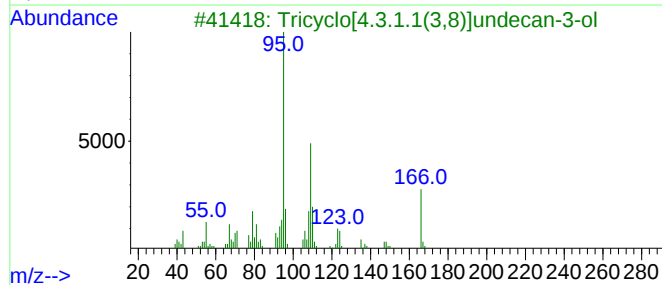
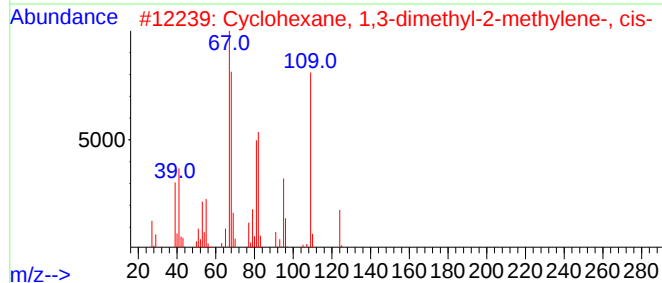
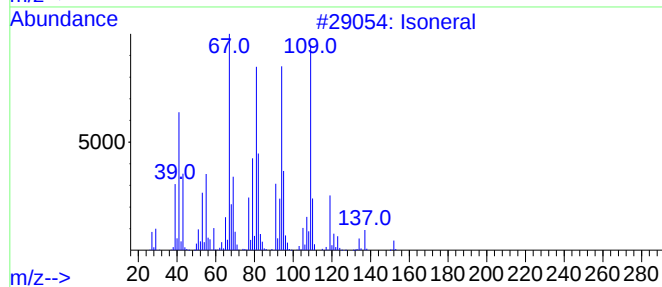
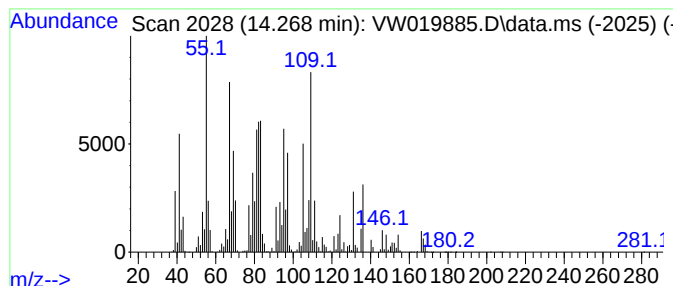
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Quant Title : SFAM01.0

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

Peak Number 61 unknown-09 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	29.71 ug/L	13638500	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isoneral	152	C10H16O	1000414-18-0	46
2			Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	45
3			Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	42
4			2-Methylbicyclo[3.2.1]octane	124	C9H16	1010215-28-0	30
5			1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

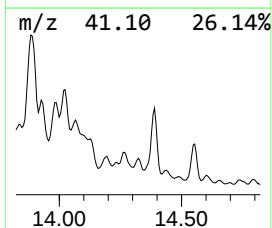
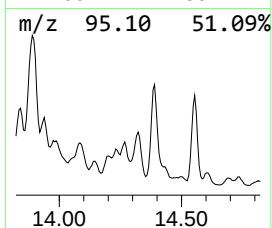
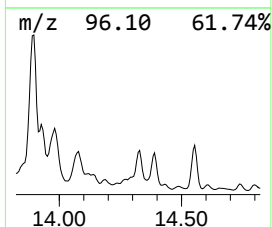
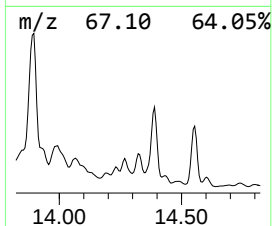
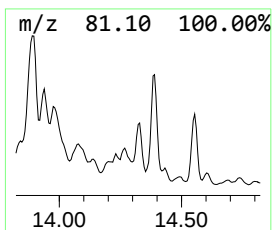
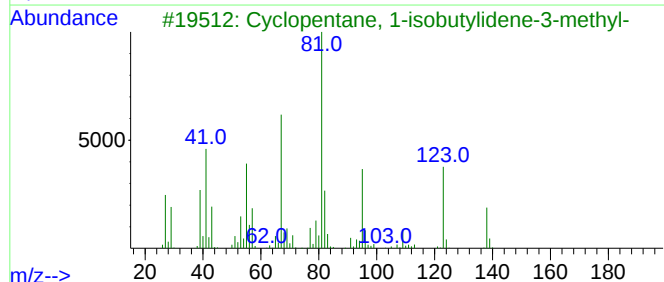
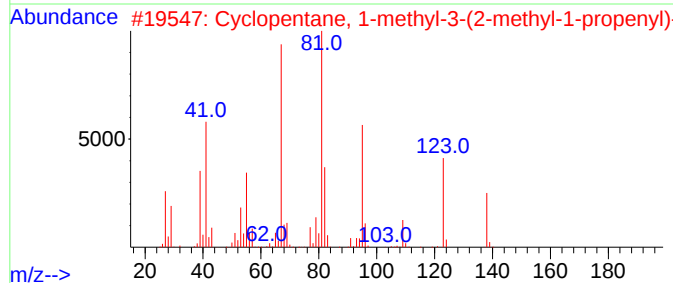
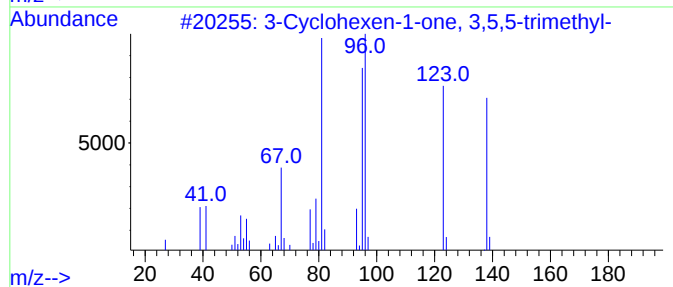
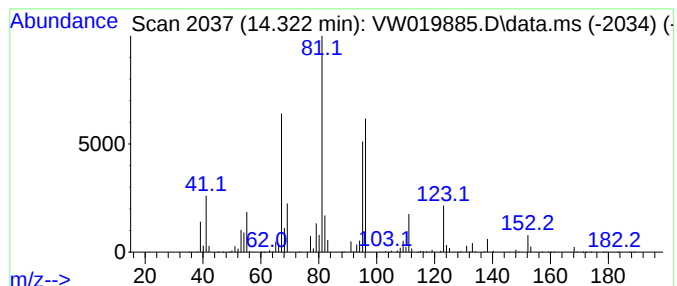
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 62 3-Cyclohexen-1-one, 3,5,5-t... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.322	16.79 ug/L	7705200	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Cyclohexen-1-one, 3,5,5-trimet...		138	C9H14O	000471-01-2	86
2	Cyclopentane, 1-methyl-3-(2-meth...		138	C10H18	075873-01-7	68
3	Cyclopentane, 1-isobutylidene-3-...		138	C10H18	1000150-62-1	64
4	Bicyclo[2.2.1]heptane, 1,3,3-tri...		138	C10H18	006248-88-0	53
5	Cyclohexane, methylene-		96	C7H12	001192-37-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

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Quant Title : SFAM01.0

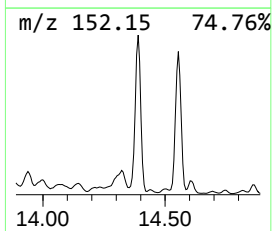
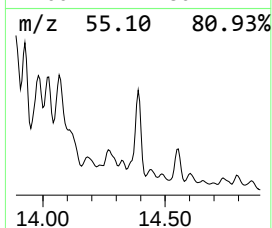
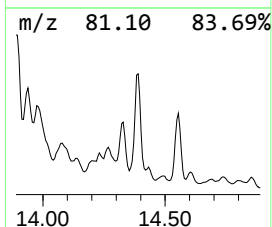
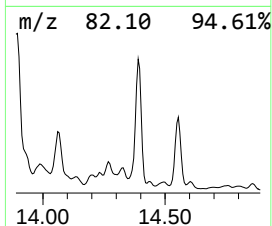
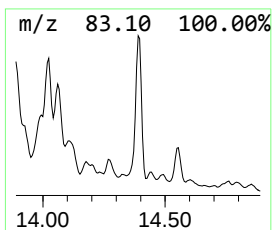
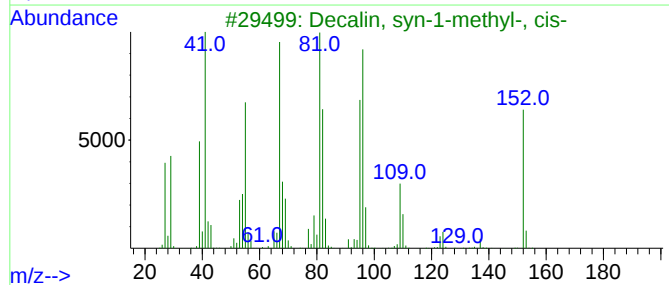
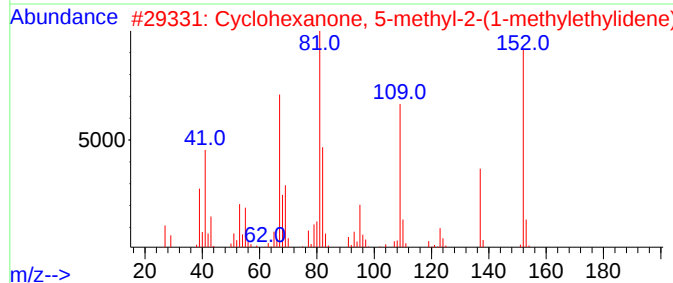
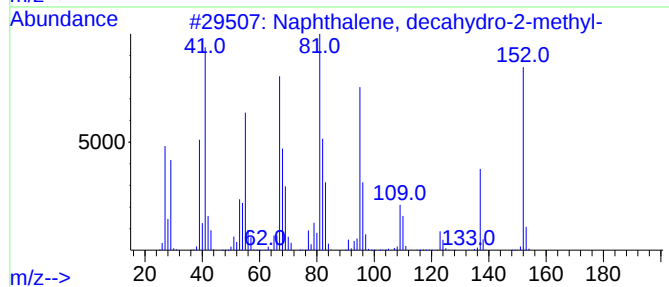
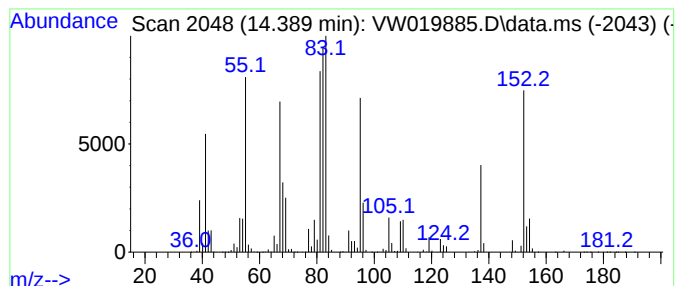
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 63 unknown-10

Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.390	95.73 ug/L	43940800	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	49
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	46
5			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

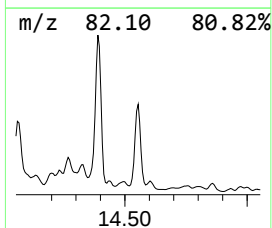
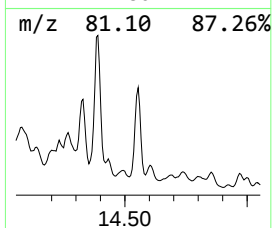
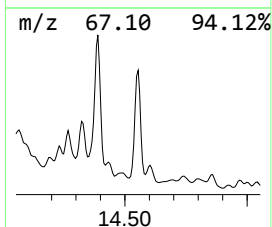
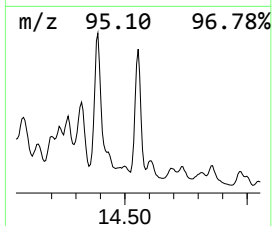
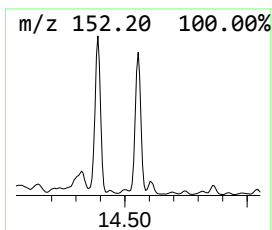
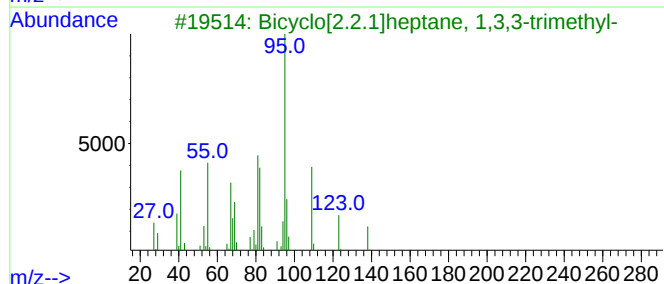
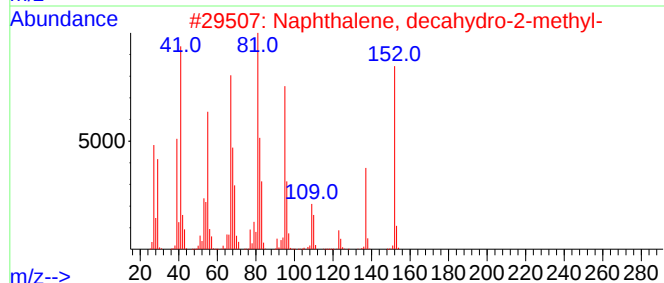
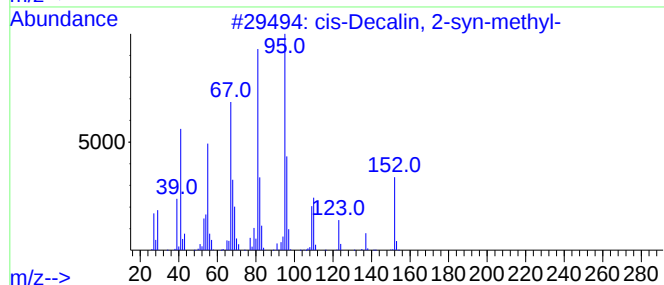
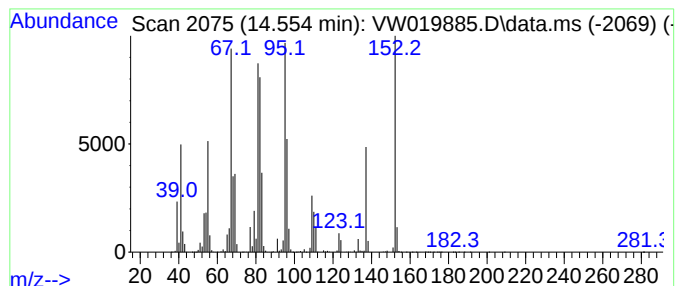
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Quant Title : SFAM01.0

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

Peak Number 64 cis-Decalin, 2-syn-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.554	70.41 ug/L	32316900	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
3			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	86
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

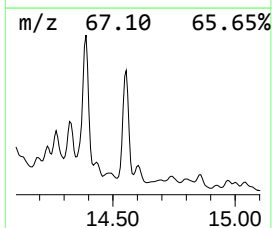
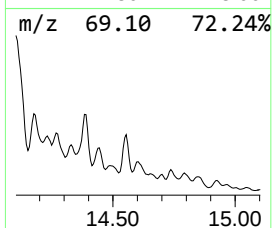
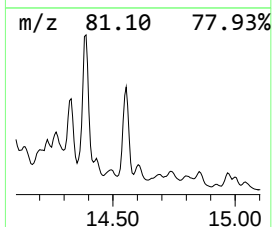
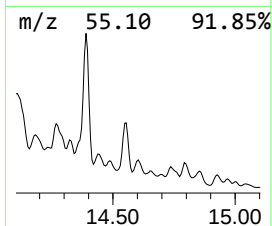
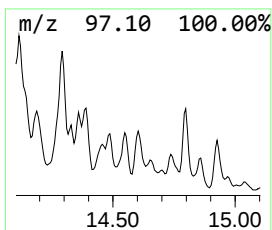
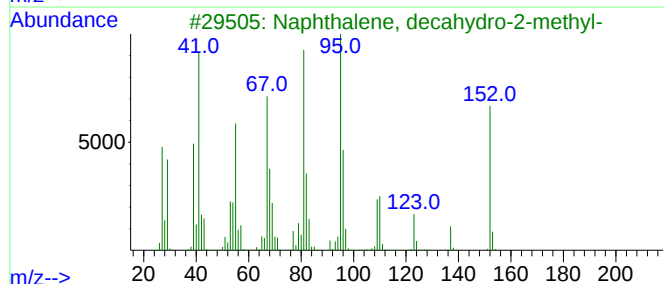
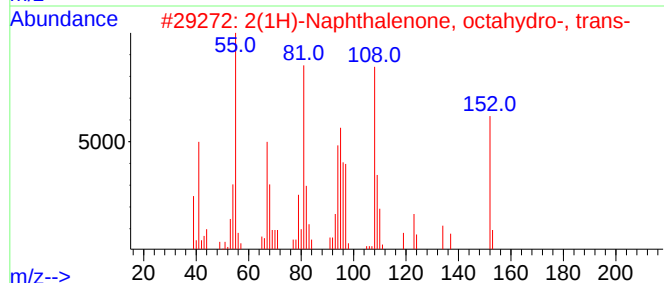
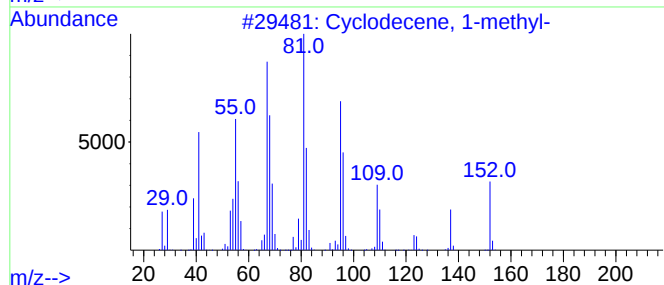
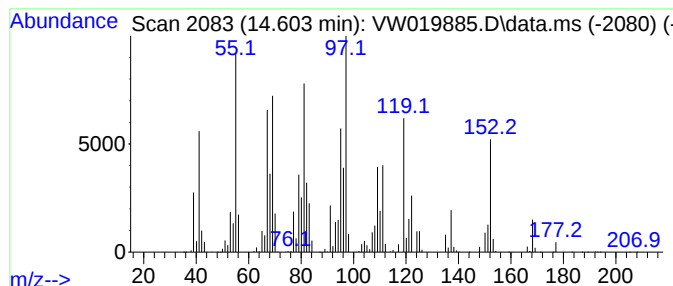
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Quant Title : SFAM01.0

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

Peak Number 65 Cyclodecene, 1-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.603	11.19 ug/L	5136110	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	95
2			2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	60
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
4			2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	49
5			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

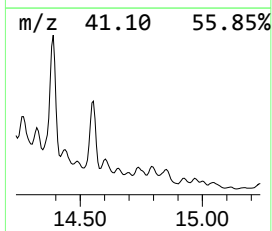
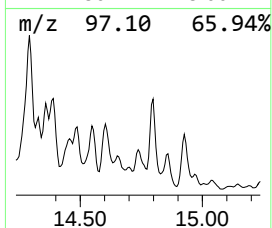
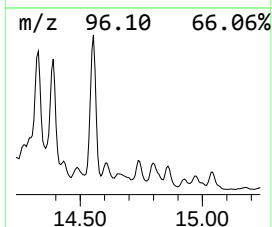
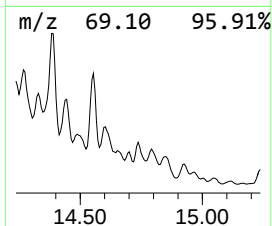
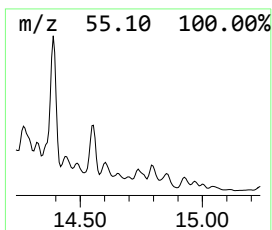
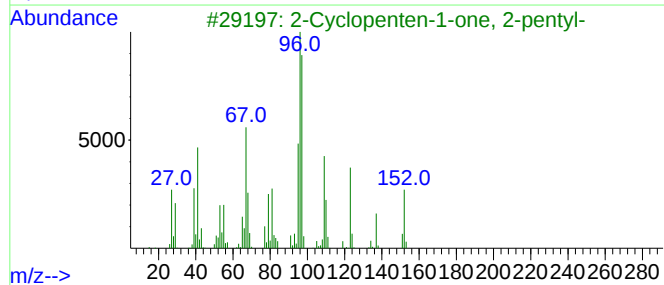
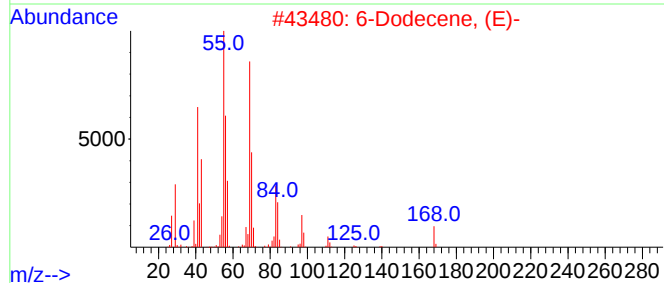
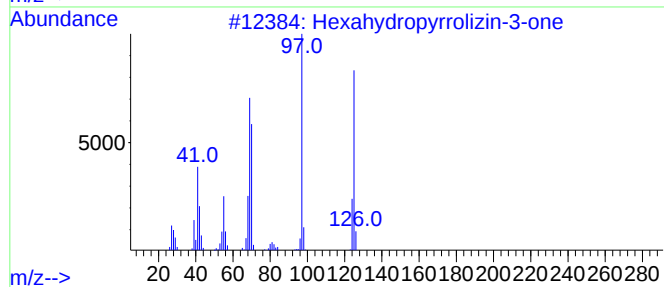
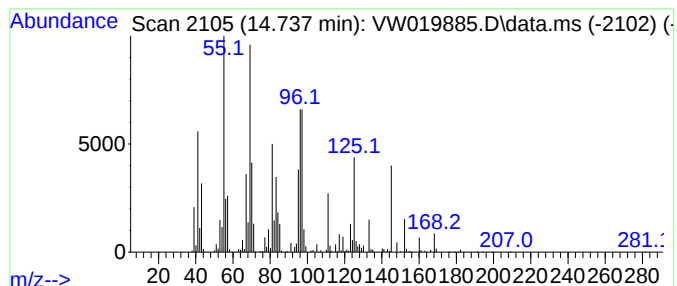
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Quant Title : SFAM01.0

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

Peak Number 66 unknown-11 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	7.55 ug/L	3463480	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexahydropyrrolizin-3-one	125	C7H11NO	126424-83-7	38
2			6-Dodecene, (E)-	168	C12H24	007206-17-9	25
3			2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	25
4			Hexanenitrile, 5-methyl-	111	C7H13N	019424-34-1	22
5			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

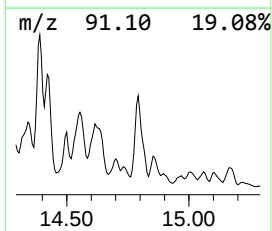
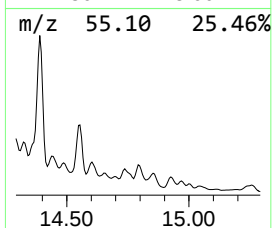
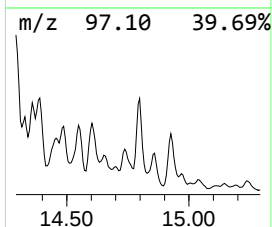
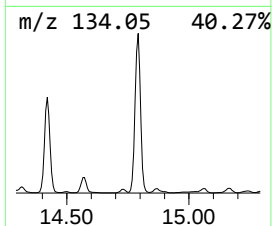
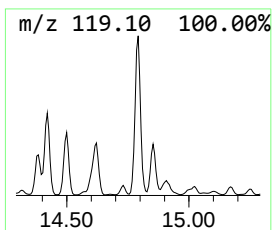
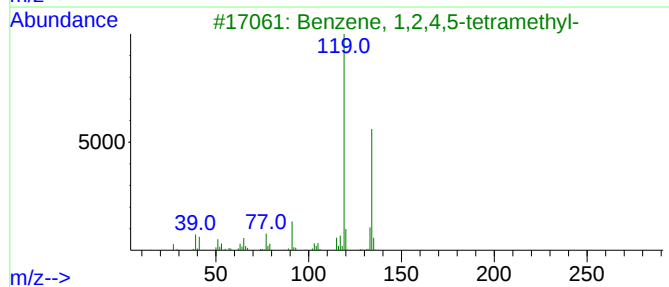
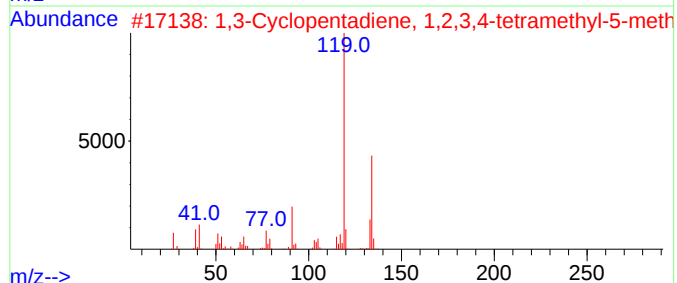
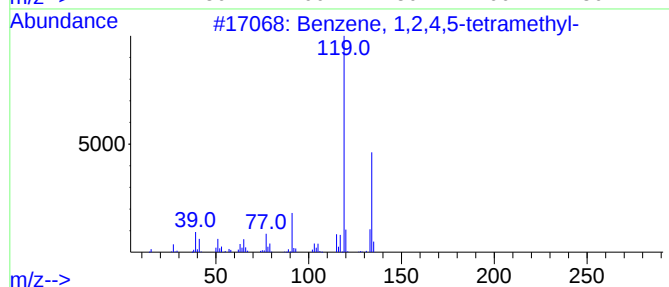
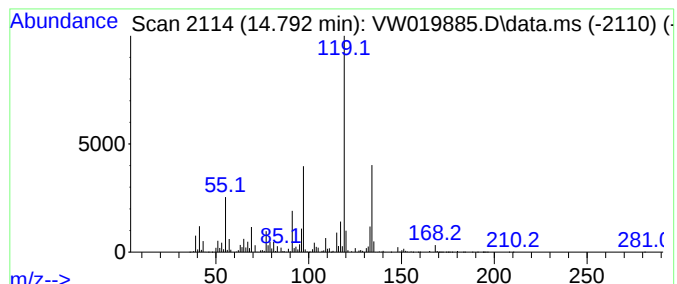
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Quant Title : SFAM01.0

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

Peak Number 67 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	19.28 ug/L	8848330	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	92
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	92
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

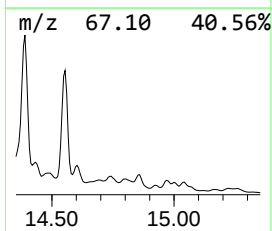
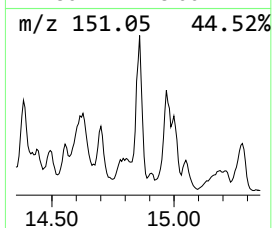
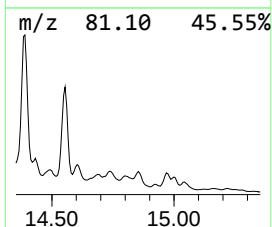
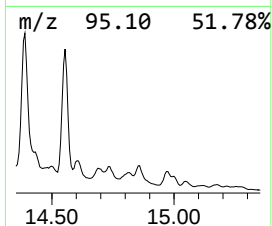
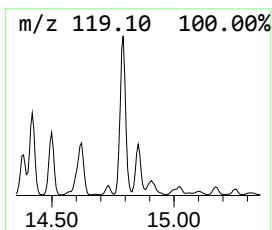
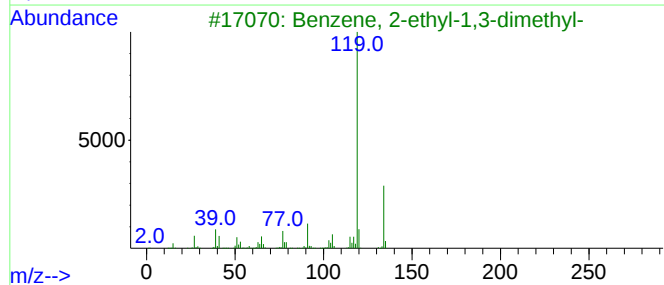
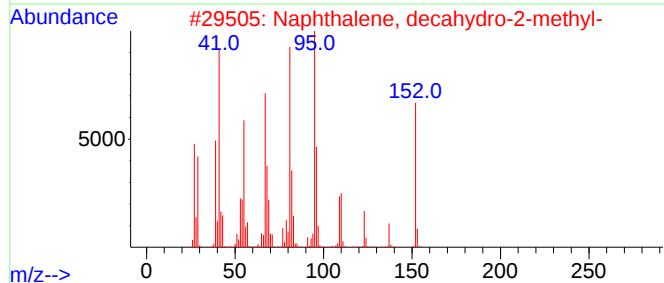
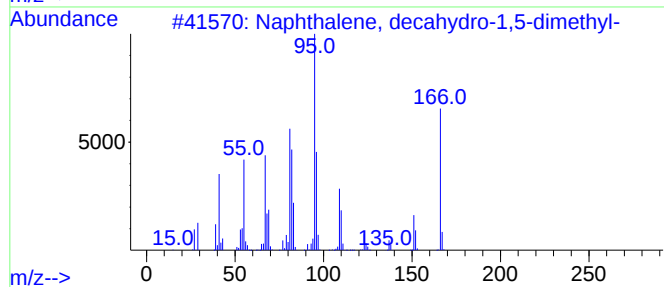
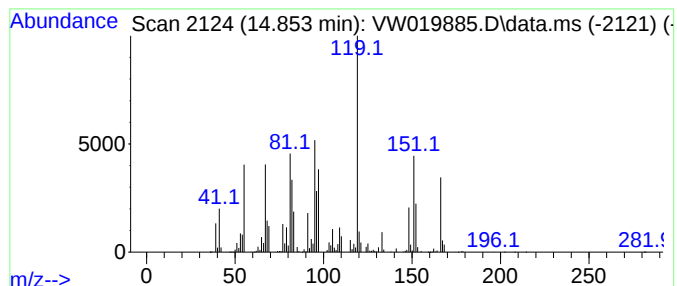
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Quant Title : SFAM01.0

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

Peak Number 68 Naphthalene, decahydro-1,5-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	16.34 ug/L	7498480	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	81
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	25
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	25
4			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	25
5			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

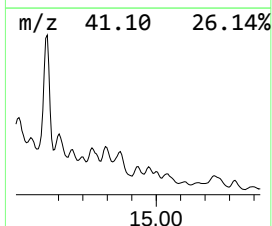
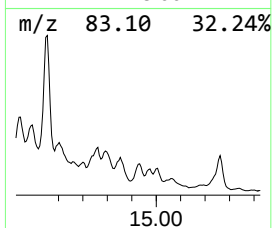
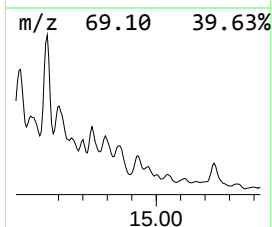
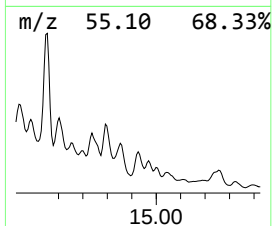
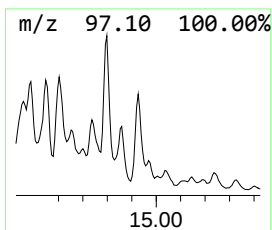
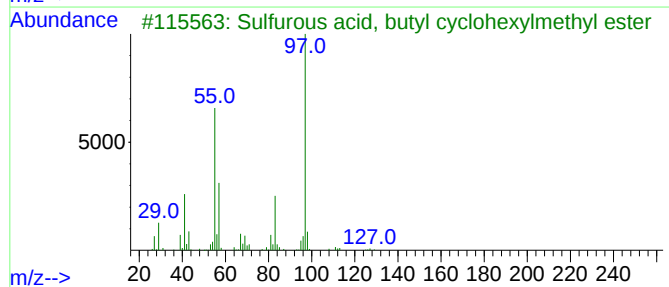
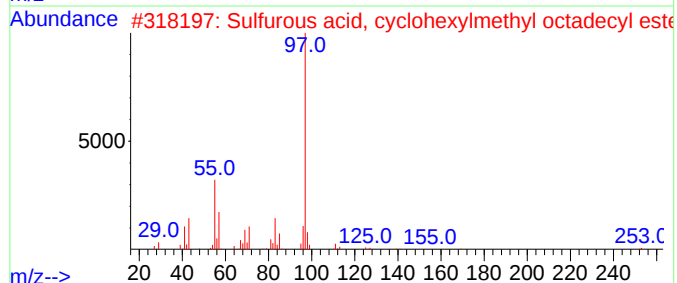
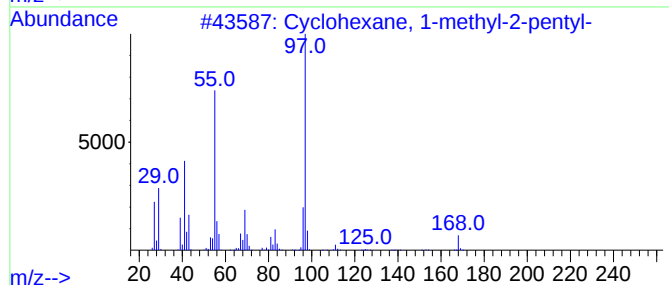
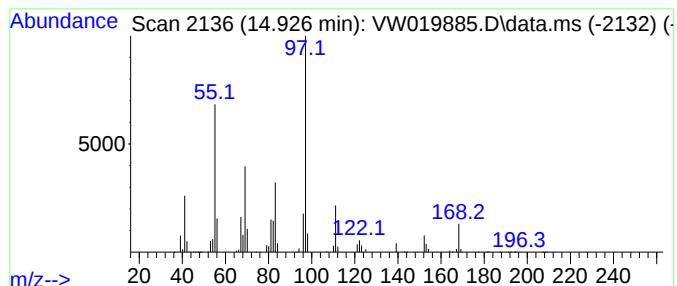
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

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Quant Title : SFAM01.0

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

Peak Number 69 (DEL) Alkane: Cyclic14.926 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.926	3.25 ug/L	1489520	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	52
2	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	52
3	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	50
4	3a,7a-Epoxy-1H-inden-4(5H)-one, ...	152	C9H12O2	039746-31-1	49
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

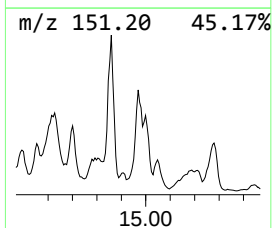
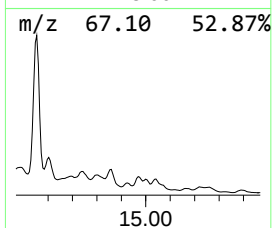
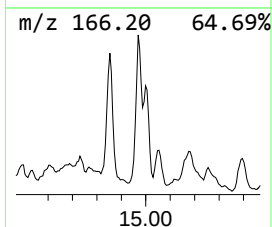
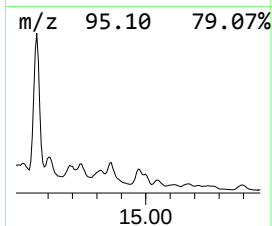
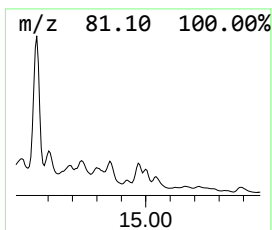
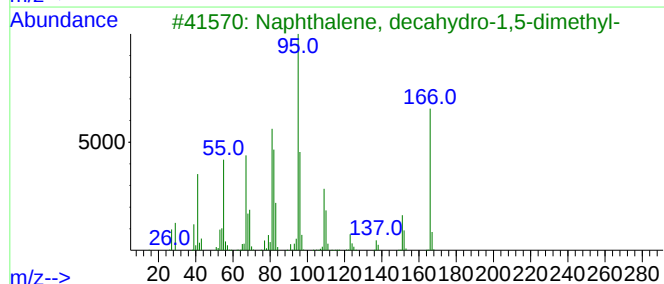
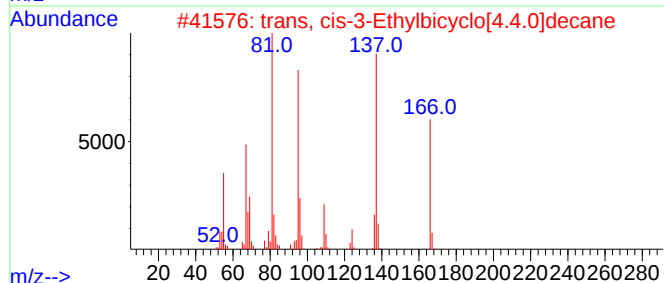
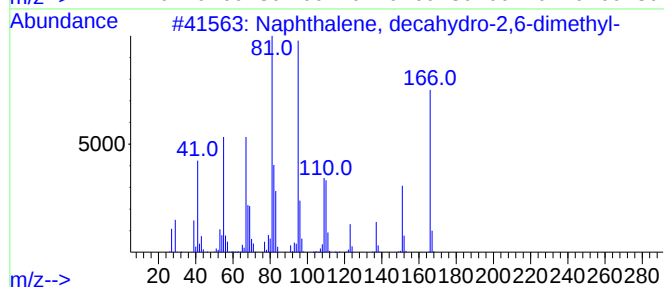
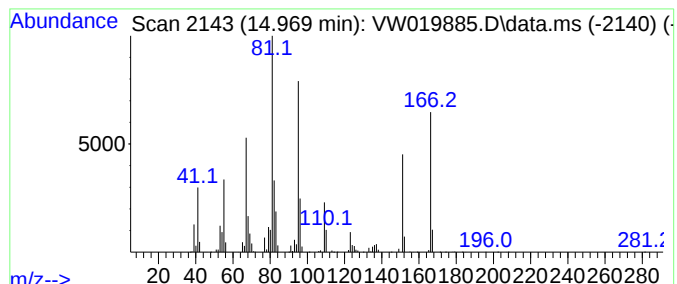
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Quant Title : SFAM01.0

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

Peak Number 70 Naphthalene, decahydro-2,6-... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.969	3.92 ug/L	1800590	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	90
2			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	87
3			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	64
4			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	62
5			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

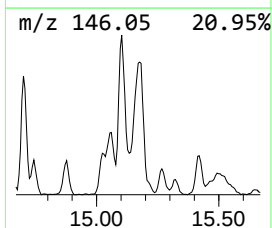
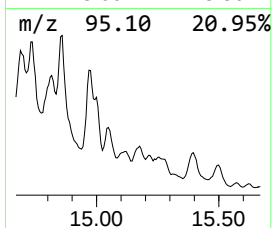
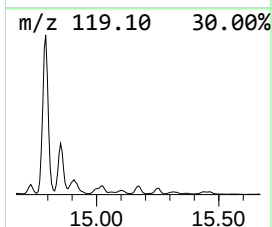
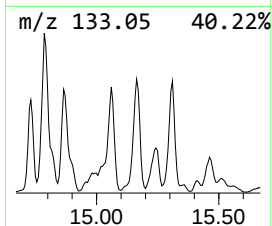
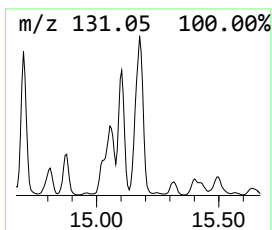
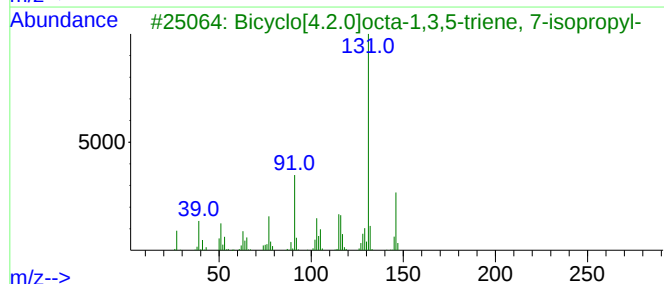
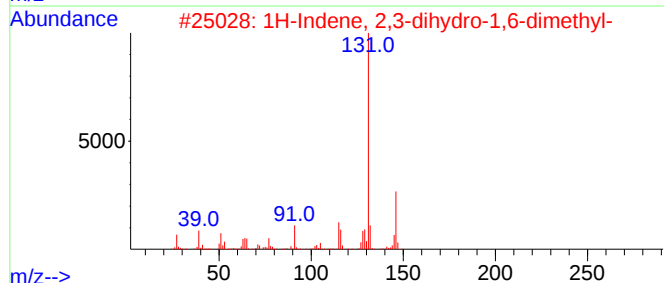
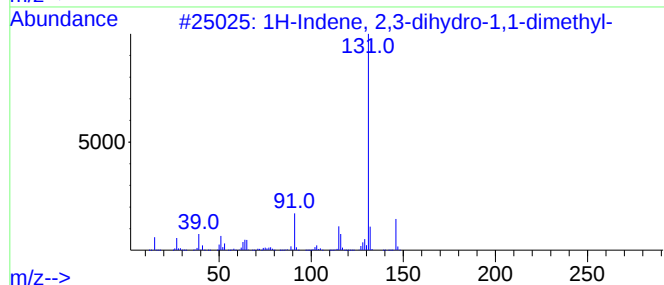
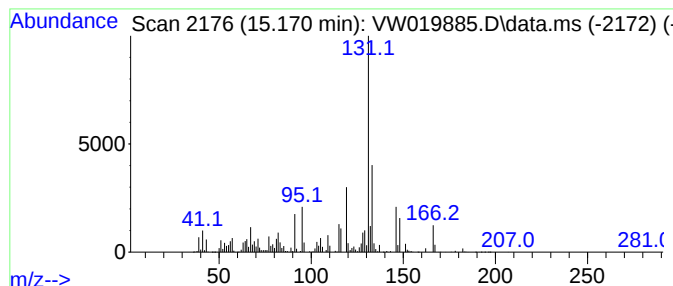
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Quant Title : SFAM01.0

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

Peak Number 71 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	3.98 ug/L	1825460	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	87
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
3			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	87
4			Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	86
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

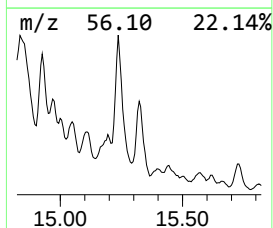
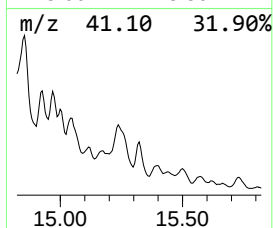
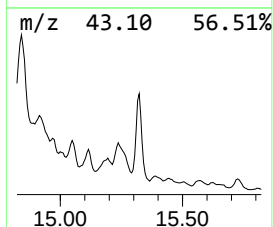
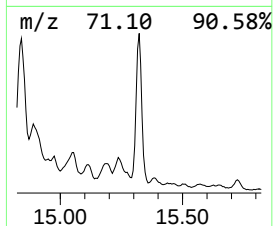
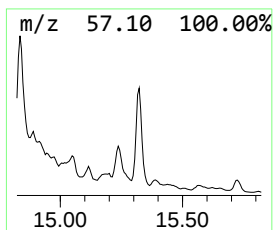
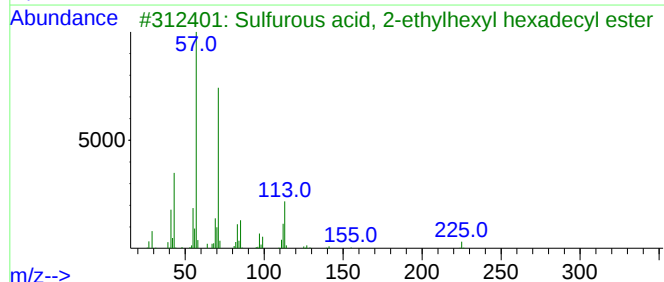
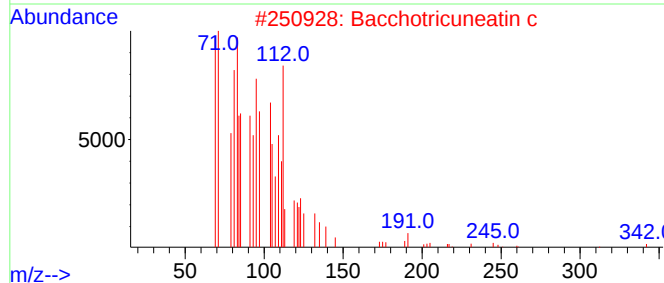
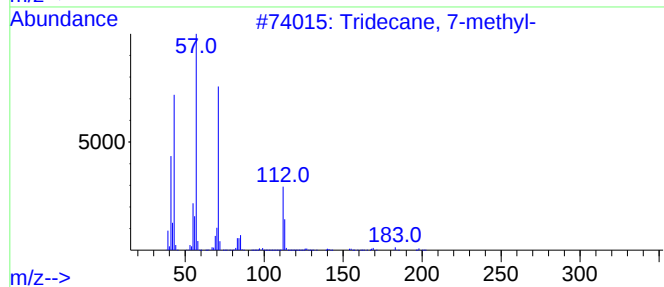
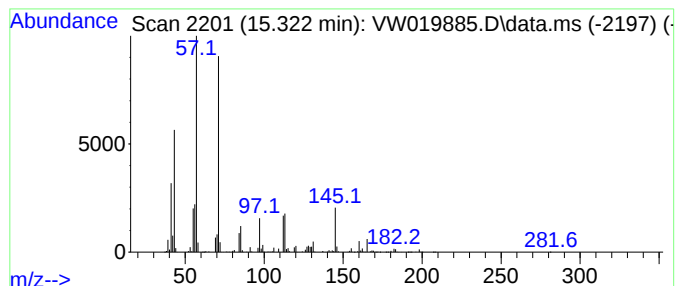
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Quant Title : SFAM01.0

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	5.76 ug/L	2646040	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
2			Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
3			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	59
4			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	59
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

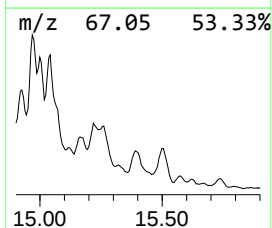
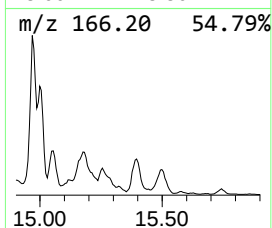
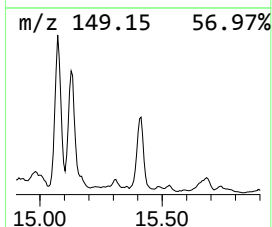
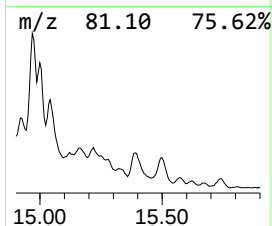
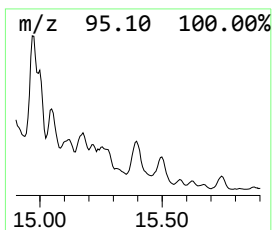
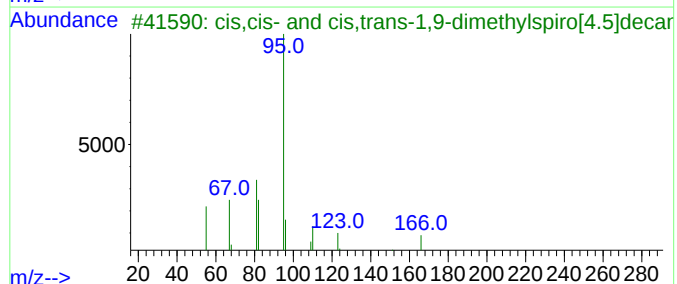
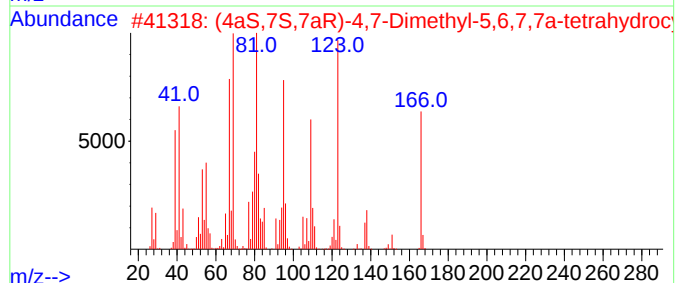
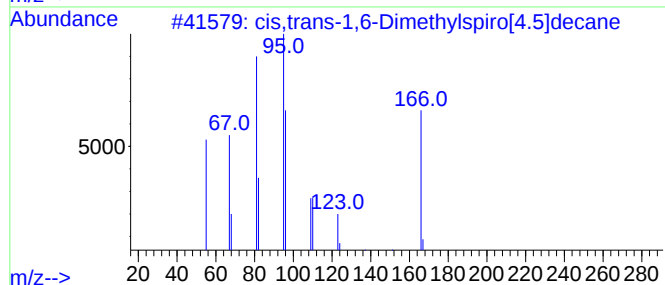
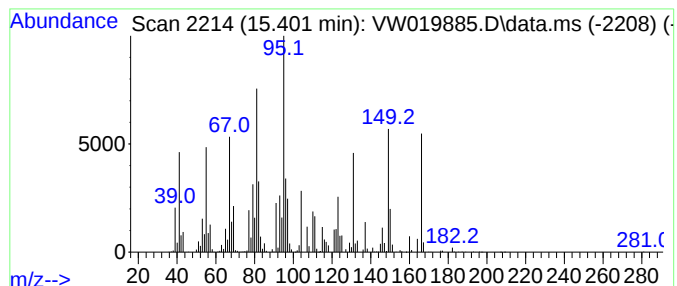
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Quant Title : SFAM01.0

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

Peak Number 73 unknown-12 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.402	3.29 ug/L	1509640	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	43
2			(4aS,7S,7aR)-4,7-Dimethyl-5,6,7,...	166	C10H14O2	021651-62-7	41
3			cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	30
4			2-n-Heptylfuran	166	C11H18O	003777-71-7	27
5			Methanone, cyclobutyl-1H-imidazo...	150	C8H10N2O	069393-27-7	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

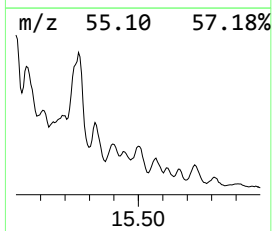
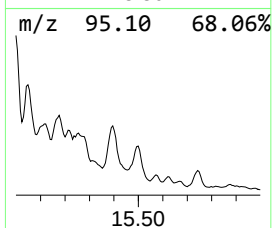
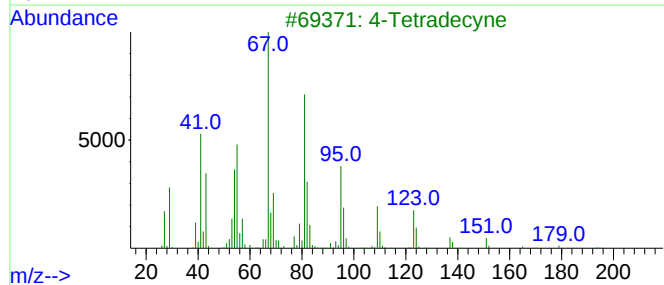
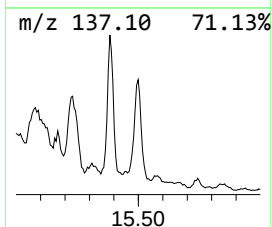
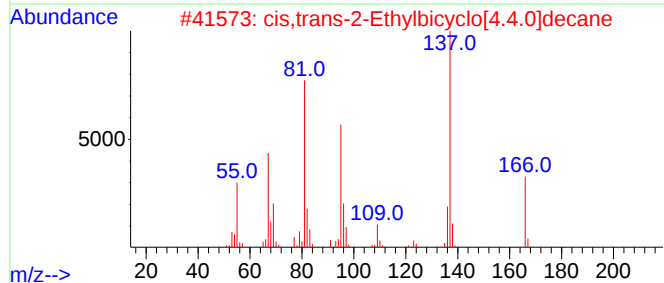
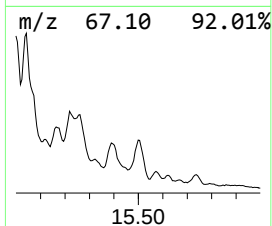
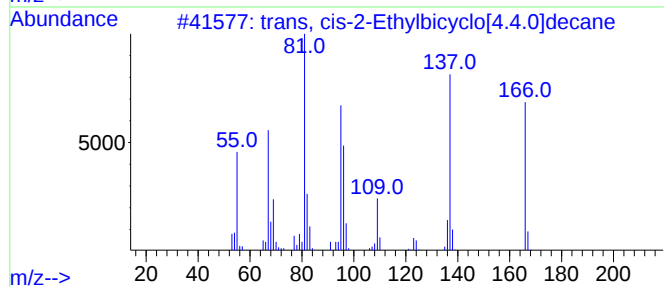
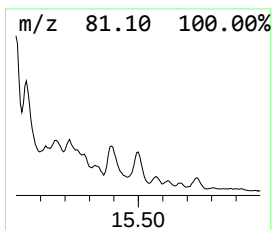
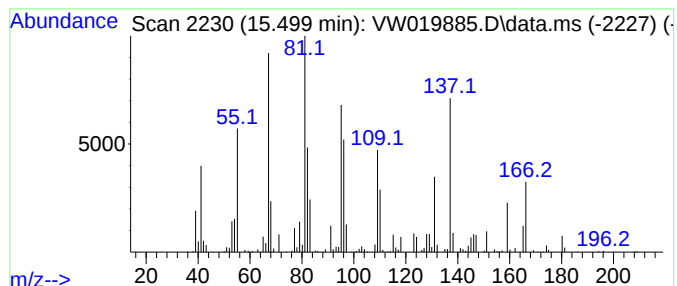
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Quant Title : SFAM01.0

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

Peak Number 74 trans, cis-2-Ethylbicyclo[4... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.499	3.11 ug/L	1425510	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	81
2			cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	62
3			4-Tetradecyne	194	C14H26	060212-33-1	62
4			2-C14H26	194	C14H26	000638-60-8	53
5			cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

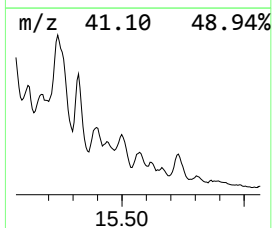
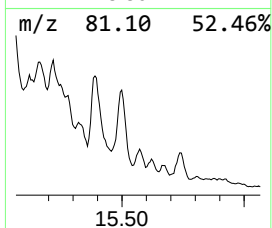
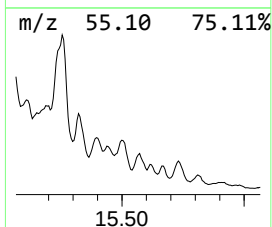
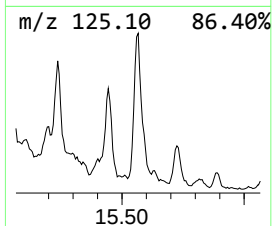
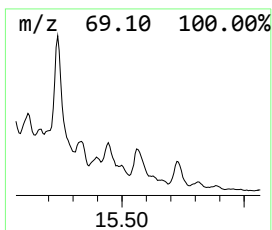
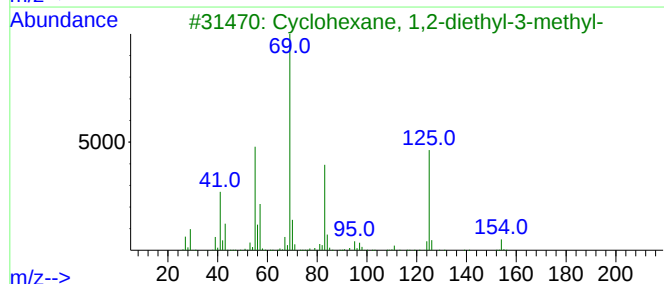
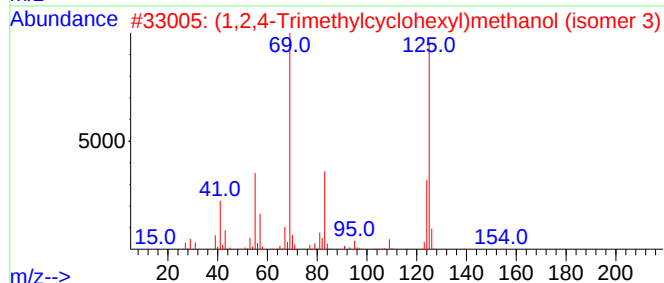
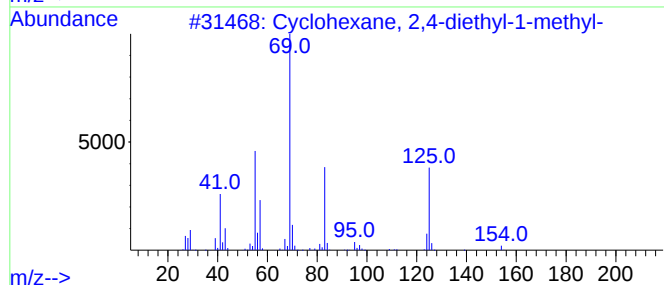
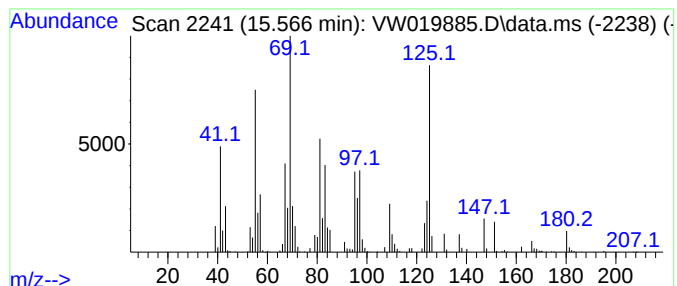
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Quant Title : SFAM01.0

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

Peak Number 75 (DEL) Alkane: Cyclic15.566 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.566	1.28 ug/L	587846	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	50
2			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-04-0	47
3			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	47
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	46
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019885.D
Acq On : 24 Aug 2021 19:17
Operator : SY/VA
Sample : M3526-04
Misc : 5.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B6

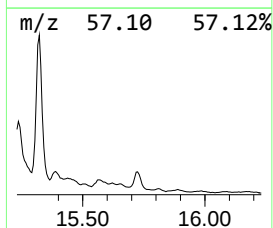
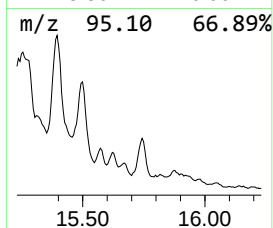
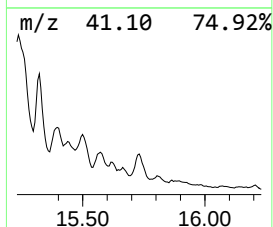
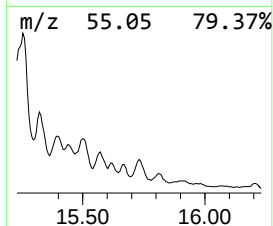
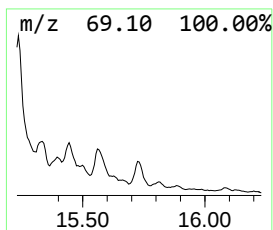
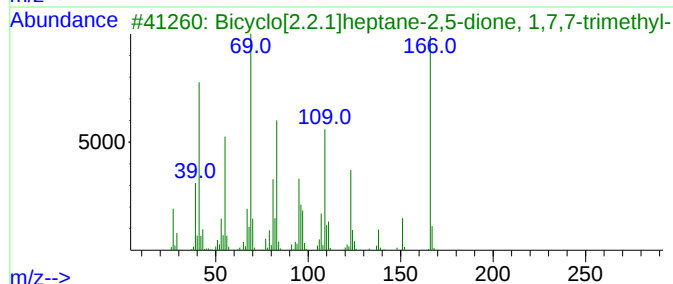
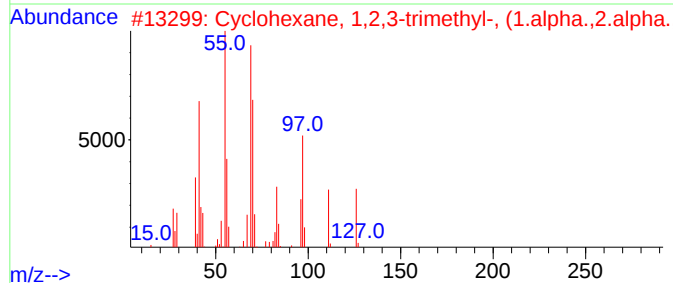
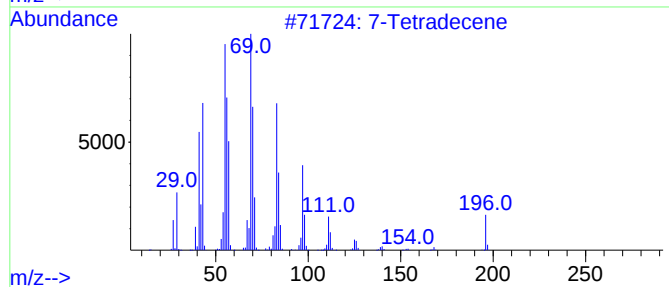
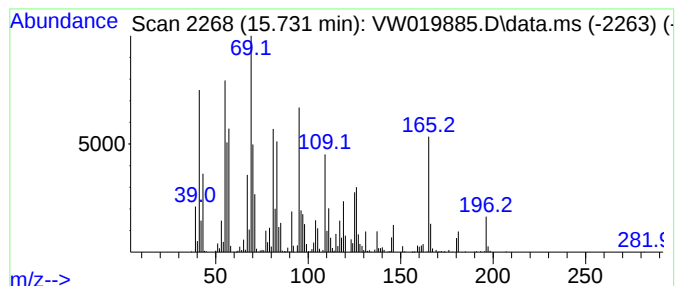
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Quant Title : SFAM01.0

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

Peak Number 76 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	1.95 ug/L	896749	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Tetradecene	196	C14H28	010374-74-0	47
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	46
3			Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	45
4			6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	30
5			1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019885.D
 Acq On : 24 Aug 2021 19:17
 Operator : SY/VA
 Sample : M3526-04
 Misc : 5.23g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7B6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	3.038	8.8	ug/L	540757	1	8.848	1532690	25.0
(DEL) Alkane: S...	5.452	23.5	ug/L	1440270	1	8.848	1532690	25.0
(DEL) Alkane: S...	6.726	34.9	ug/L	2136630	1	8.848	1532690	25.0
(DEL) Alkane: S...	6.885	108.6	ug/L	6656550	1	8.848	1532690	25.0
(DEL) Alkane: S...	7.708	32.1	ug/L	1970350	1	8.848	1532690	25.0
(DEL) Alkane: S...	8.043	411.1	ug/L	25201100	1	8.848	1532690	25.0
(DEL) Alkane: S...	8.159	1.9	ug/L	115592	1	8.848	1532690	25.0
(DEL) Alkane: C...	8.439	504.1	ug/L	30908100	1	8.848	1532690	25.0
(DEL) Alkane: C...	8.512	327.8	ug/L	20093800	1	8.848	1532690	25.0
(DEL) Alkane: C...	8.580	288.0	ug/L	17657300	1	8.848	1532690	25.0
unknown-01	8.701	1.4	ug/L	86601	1	8.848	1532690	25.0
(DEL) Alkane: S...	9.073	4.7	ug/L	287637	1	8.848	1532690	25.0
(DEL) Alkane: S...	9.159	60.5	ug/L	3709310	1	8.848	1532690	25.0
Sulfurous acid,...	9.390	405.3	ug/L	24845500	1	8.848	1532690	25.0
(DEL) Alkane: S...	9.476	7.2	ug/L	441454	1	8.848	1532690	25.0
(DEL) Alkane: C...	9.616	1519.5	ug/L	93157100	1	8.848	1532690	25.0
(DEL) Alkane: C...	9.762	1516.8	ug/L	92992200	1	8.848	1532690	25.0
(DEL) Alkane: S...	9.909	403.1	ug/L	24715600	1	8.848	1532690	25.0
Hexane, 1-(hexy...	9.951	460.5	ug/L	28229800	1	8.848	1532690	25.0
(DEL) Alkane: S...	10.085	647.8	ug/L	39714000	1	8.848	1532690	25.0
(DEL) Alkane: S...	10.134	322.6	ug/L	19775700	1	8.848	1532690	25.0
(DEL) Alkane: C...	10.226	605.6	ug/L	37129300	1	8.848	1532690	25.0
(DEL) Alkane: C...	10.451	13.7	ug/L	18459600	2	11.634	33630300	25.0
(DEL) Alkane: C...	10.506	51.5	ug/L	69233600	2	11.634	33630300	25.0
(DEL) Alkane: C...	10.677	72.1	ug/L	96931500	2	11.634	33630300	25.0
(DEL) Alkane: C...	10.768	37.8	ug/L	50909200	2	11.634	33630300	25.0
unknown-02	10.811	2.9	ug/L	3876640	2	11.634	33630300	25.0
(DEL) Alkane: S...	10.854	19.2	ug/L	25772600	2	11.634	33630300	25.0
(DEL) Alkane: S...	11.055	66.0	ug/L	88845300	2	11.634	33630300	25.0
(DEL) Alkane: C...	11.152	33.2	ug/L	44655400	2	11.634	33630300	25.0
(DEL) Alkane: C...	11.238	128.3	ug/L	172590000	2	11.634	33630300	25.0
unknown-03	11.299	17.9	ug/L	24068900	2	11.634	33630300	25.0
unknown-04	11.347	93.8	ug/L	126216000	2	11.634	33630300	25.0
(DEL) Alkane: S...	11.390	21.5	ug/L	28960200	2	11.634	33630300	25.0
(DEL) Alkane: C...	11.451	72.8	ug/L	97904800	2	11.634	33630300	25.0
(DEL) Alkane: S...	11.518	15.9	ug/L	21423200	2	11.634	33630300	25.0
unknown-05	11.573	9.4	ug/L	12708300	2	11.634	33630300	25.0
(DEL) Alkane: C...	11.774	44.8	ug/L	60221100	2	11.634	33630300	25.0
(DEL) Alkane: S...	11.823	37.8	ug/L	50860500	2	11.634	33630300	25.0
(DEL) Alkane: C...	11.890	55.1	ug/L	74160000	2	11.634	33630300	25.0
(DEL) Alkane: S...	11.988	58.6	ug/L	78833400	2	11.634	33630300	25.0
(DEL) Alkane: S...	12.079	23.0	ug/L	30946300	2	11.634	33630300	25.0
(DEL) Alkane: C...	12.152	136.1	ug/L	183115000	2	11.634	33630300	25.0
(DEL) Alkane: S...	12.365	195.3	ug/L	262723000	2	11.634	33630300	25.0
(DEL) Alkane: S...	12.524	212.7	ug/L	286183000	2	11.634	33630300	25.0
Propanoic acid,...	12.640	118.8	ug/L	54533400	3	13.560	11475000	25.0
(DEL) Alkane: S...	12.798	435.8	ug/L	200016000	3	13.560	11475000	25.0
unknown-06	12.878	256.4	ug/L	117708000	3	13.560	11475000	25.0
(DEL) Alkane: C...	12.957	366.0	ug/L	167984000	3	13.560	11475000	25.0
(DEL) Alkane: S...	13.097	182.2	ug/L	83648400	3	13.560	11475000	25.0
Sulfurous acid,...	13.140	56.2	ug/L	25814600	3	13.560	11475000	25.0
(DEL) Alkane: S...	13.182	179.8	ug/L	82531100	3	13.560	11475000	25.0

Naphthalene, de...	13.280	64.3	ug/L	29520900	3	13.560	11475000	25.0
(DEL) Alkane: S...	13.359	37.4	ug/L	17152700	3	13.560	11475000	25.0
(DEL) Alkane: C...	13.457	183.3	ug/L	84138500	3	13.560	11475000	25.0
unknown-07	13.640	25.0	ug/L	11475000	3	13.560	11475000	25.0
(DEL) Alkane: C...	13.713	149.2	ug/L	68497000	3	13.560	11475000	25.0
(DEL) Alkane: S...	13.987	58.3	ug/L	26771500	3	13.560	11475000	25.0
(DEL) Alkane: C...	14.024	51.4	ug/L	23601600	3	13.560	11475000	25.0
unknown-08	14.194	21.8	ug/L	9997150	3	13.560	11475000	25.0
unknown-09	14.268	29.7	ug/L	13638500	3	13.560	11475000	25.0
3-Cyclohexen-1-...	14.322	16.8	ug/L	7705200	3	13.560	11475000	25.0
unknown-10	14.390	95.7	ug/L	43940800	3	13.560	11475000	25.0
cis-Decalin, 2-...	14.554	70.4	ug/L	32316900	3	13.560	11475000	25.0
Cyclodecene, 1-...	14.603	11.2	ug/L	5136110	3	13.560	11475000	25.0
unknown-11	14.737	7.5	ug/L	3463480	3	13.560	11475000	25.0
Benzene, 1,2,4,...	14.792	19.3	ug/L	8848330	3	13.560	11475000	25.0
Naphthalene, de...	14.853	16.3	ug/L	7498480	3	13.560	11475000	25.0
(DEL) Alkane: C...	14.926	3.3	ug/L	1489520	3	13.560	11475000	25.0
Naphthalene, de...	14.969	3.9	ug/L	1800590	3	13.560	11475000	25.0
1H-Indene, 2,3-...	15.170	4.0	ug/L	1825460	3	13.560	11475000	25.0
(DEL) Alkane: S...	15.322	5.8	ug/L	2646040	3	13.560	11475000	25.0
unknown-12	15.402	3.3	ug/L	1509640	3	13.560	11475000	25.0
trans, cis-2-Et...	15.499	3.1	ug/L	1425510	3	13.560	11475000	25.0
(DEL) Alkane: C...	15.566	1.3	ug/L	587846	3	13.560	11475000	25.0
(DEL) Alkane: S...	15.731	2.0	ug/L	896749	3	13.560	11475000	25.0

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MSVOA_W
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