

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019884.D
 Acq On : 24 Aug 2021 18:53
 Operator : SY/VA
 Sample : M3526-09
 Misc : 6.16g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7D1

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: VW019884.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	67	75	86	rVB	154739	312922	4.76%	0.356%
2	2.898	155	163	177	rBV	120792	301465	4.58%	0.343%
3	4.025	335	348	360	rBV	241907	756268	11.49%	0.861%
4	4.922	481	495	515	rBV3	61393	243371	3.70%	0.277%
5	6.885	805	817	828	rBV2	54048	181941	2.77%	0.207%
6	7.086	841	850	860	rVV	55362	153691	2.34%	0.175%
7	7.653	932	943	969	rVB	396498	1026995	15.61%	1.169%
8	8.037	997	1006	1020	rVV	273857	711448	10.81%	0.810%
9	8.281	1030	1046	1061	rVB2	791498	2410856	36.64%	2.745%
10	8.433	1061	1071	1078	rBV3	196753	537380	8.17%	0.612%
11	8.512	1078	1084	1090	rVV	100575	231874	3.52%	0.264%
12	8.579	1090	1095	1107	rVB2	62708	142826	2.17%	0.163%
13	8.848	1126	1139	1151	rBV	814599	1687628	25.65%	1.922%
14	9.153	1181	1189	1199	rVB	38197	91250	1.39%	0.104%
15	9.299	1201	1213	1223	rBV3	887976	3607246	54.82%	4.108%
16	9.384	1223	1227	1237	rVB	361074	719222	10.93%	0.819%
17	9.610	1253	1264	1279	rBV	1606895	3345895	50.85%	3.810%
18	9.756	1279	1288	1298	rVB	854833	1734450	26.36%	1.975%
19	9.902	1299	1312	1315	rBV	306682	599419	9.11%	0.683%
20	9.945	1315	1319	1328	rVB	387327	768085	11.67%	0.875%
21	10.037	1328	1334	1337	rBV	276595	486360	7.39%	0.554%
22	10.079	1337	1341	1346	rVB2	340638	538707	8.19%	0.613%
23	10.128	1346	1349	1357	rVB	270167	453770	6.90%	0.517%
24	10.213	1357	1363	1366	rBV	265783	566524	8.61%	0.645%
25	10.323	1374	1381	1395	rBV	1498167	2861907	43.49%	3.259%
26	10.451	1396	1402	1404	rBV	135436	233690	3.55%	0.266%
27	10.494	1404	1409	1418	rVB	398934	879532	13.37%	1.002%
28	10.579	1418	1423	1425	rBV	202390	329014	5.00%	0.375%
29	10.622	1425	1430	1433	rVV	727080	1248312	18.97%	1.421%
30	10.664	1433	1437	1445	rVB	1153330	2177145	33.09%	2.479%
31	10.762	1445	1453	1457	rBV3	400940	843892	12.82%	0.961%
32	10.811	1457	1461	1464	rVB3	88923	116208	1.77%	0.132%
33	10.847	1464	1467	1472	rVB	294663	445210	6.77%	0.507%
34	10.927	1472	1480	1489	rVB5	279881	735077	11.17%	0.837%
35	11.036	1489	1498	1506	rBV2	580000	1643124	24.97%	1.871%
36	11.109	1506	1510	1513	rBV	246355	404646	6.15%	0.461%

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Min Area: 0 % of largest Peak

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Stop Thrs : 0

Peak Location: TOP

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

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

37	11.146	1513	1516	1522	rVB2	333815	489389	7.44%	0.557%
38	11.231	1522	1530	1536	rBV	3490515	6580068	100.00%	7.493%
39	11.286	1536	1539	1542	rVV	328048	419662	6.38%	0.478%
40	11.335	1542	1547	1552	rVB2	1259764	2130230	32.37%	2.426%
41	11.384	1552	1555	1558	rVB2	212795	280756	4.27%	0.320%
42	11.439	1558	1564	1571	rVB	1107961	2015406	30.63%	2.295%
43	11.506	1571	1575	1580	rBV	225944	361867	5.50%	0.412%
44	11.567	1580	1585	1591	rBV3	137581	336533	5.11%	0.383%
45	11.634	1591	1596	1600	rBV	1045334	1795319	27.28%	2.044%
46	11.768	1613	1618	1621	rVV	635974	999373	15.19%	1.138%
47	11.811	1621	1625	1630	rVB4	547917	1062420	16.15%	1.210%
48	11.872	1630	1635	1639	rBV	933982	1800221	27.36%	2.050%
49	11.914	1639	1642	1648	rVB3	832558	1470405	22.35%	1.674%
50	11.975	1648	1652	1658	rBV3	295914	561170	8.53%	0.639%
51	12.048	1658	1664	1671	rVB4	239145	648679	9.86%	0.739%
52	12.140	1671	1679	1686	rBV2	1374309	3072266	46.69%	3.498%
53	12.225	1690	1693	1700	rVB4	396220	746892	11.35%	0.850%
54	12.304	1700	1706	1708	rBV2	470830	884350	13.44%	1.007%
55	12.365	1708	1716	1723	rBV3	1188471	2906787	44.18%	3.310%
56	12.451	1728	1730	1734	rVV4	367770	681616	10.36%	0.776%
57	12.506	1735	1739	1746	rVV4	510935	1117090	16.98%	1.272%
58	12.560	1746	1748	1752	rVB2	145156	195659	2.97%	0.223%
59	12.621	1752	1758	1762	rBV3	204628	348557	5.30%	0.397%
60	12.695	1763	1770	1775	rBV2	664685	1290356	19.61%	1.469%
61	12.780	1779	1784	1790	rVB2	1192599	2119469	32.21%	2.413%
62	12.859	1790	1797	1801	rBV5	429680	1013196	15.40%	1.154%
63	12.938	1802	1810	1816	rVV6	936053	2900191	44.08%	3.302%
64	12.993	1816	1819	1824	rVB2	391252	574602	8.73%	0.654%
65	13.079	1824	1833	1837	rBV2	355758	752500	11.44%	0.857%
66	13.121	1837	1840	1843	rVV2	234518	404311	6.14%	0.460%
67	13.164	1843	1847	1859	rVB3	609691	1246973	18.95%	1.420%
68	13.292	1865	1868	1872	rBV3	142259	214079	3.25%	0.244%
69	13.444	1886	1893	1898	rBV3	638235	1435960	21.82%	1.635%
70	13.560	1906	1912	1920	rVB	1084810	1888265	28.70%	2.150%
71	13.627	1920	1923	1928	rVB5	60754	86929	1.32%	0.099%
72	13.694	1928	1934	1939	rBV4	239871	506108	7.69%	0.576%
73	13.804	1948	1952	1953	rBV2	67524	92180	1.40%	0.105%
74	13.853	1954	1960	1963	rBV	914268	1788831	27.19%	2.037%
75	13.920	1969	1971	1975	rVB2	153804	171820	2.61%	0.196%
76	13.975	1977	1980	1983	rVV4	103108	139668	2.12%	0.159%

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 Title : SFAM01.0

77	14.066	1992	1995	1996	rBV2	81421	97798	1.49%	0.111%
78	14.091	1997	1999	2003	rVB	187755	230408	3.50%	0.262%
79	14.206	2011	2018	2023	rBV4	170487	366659	5.57%	0.418%
80	14.261	2023	2027	2033	rBV6	130977	262851	3.99%	0.299%
81	14.316	2033	2036	2039	rBV4	100868	147376	2.24%	0.168%
82	14.383	2042	2047	2052	rVB2	496312	796887	12.11%	0.907%
83	14.493	2062	2065	2068	rBV3	67485	94449	1.44%	0.108%
84	14.548	2069	2074	2080	rVV5	300902	525875	7.99%	0.599%
85	14.603	2080	2083	2085	rBV3	48252	64031	0.97%	0.073%
86	14.694	2094	2098	2101	rBV2	67707	103841	1.58%	0.118%
87	14.737	2101	2105	2109	rVV4	84395	142861	2.17%	0.163%
88	14.792	2110	2114	2119	rVV3	314287	666657	10.13%	0.759%
89	14.841	2119	2122	2130	rVB4	250559	520869	7.92%	0.593%
90	14.956	2132	2141	2151	rVV4	240986	794556	12.08%	0.905%
91	15.060	2154	2158	2162	rVB5	137006	225688	3.43%	0.257%
92	15.103	2162	2165	2171	rBV5	65016	146860	2.23%	0.167%
93	15.170	2171	2176	2181	rBV4	133652	257167	3.91%	0.293%
94	15.322	2196	2201	2206	rBV2	228772	376084	5.72%	0.428%
95	15.651	2247	2255	2263	rVV6	89790	294202	4.47%	0.335%
96	15.725	2263	2267	2273	rVB4	78410	138737	2.11%	0.158%
97	16.163	2333	2339	2344	rBV5	67659	151474	2.30%	0.172%
98	16.279	2355	2358	2364	rVB3	65367	112376	1.71%	0.128%
99	16.438	2379	2384	2389	rBV3	59113	120880	1.84%	0.138%
100	16.639	2411	2417	2425	rVB6	46310	122472	1.86%	0.139%

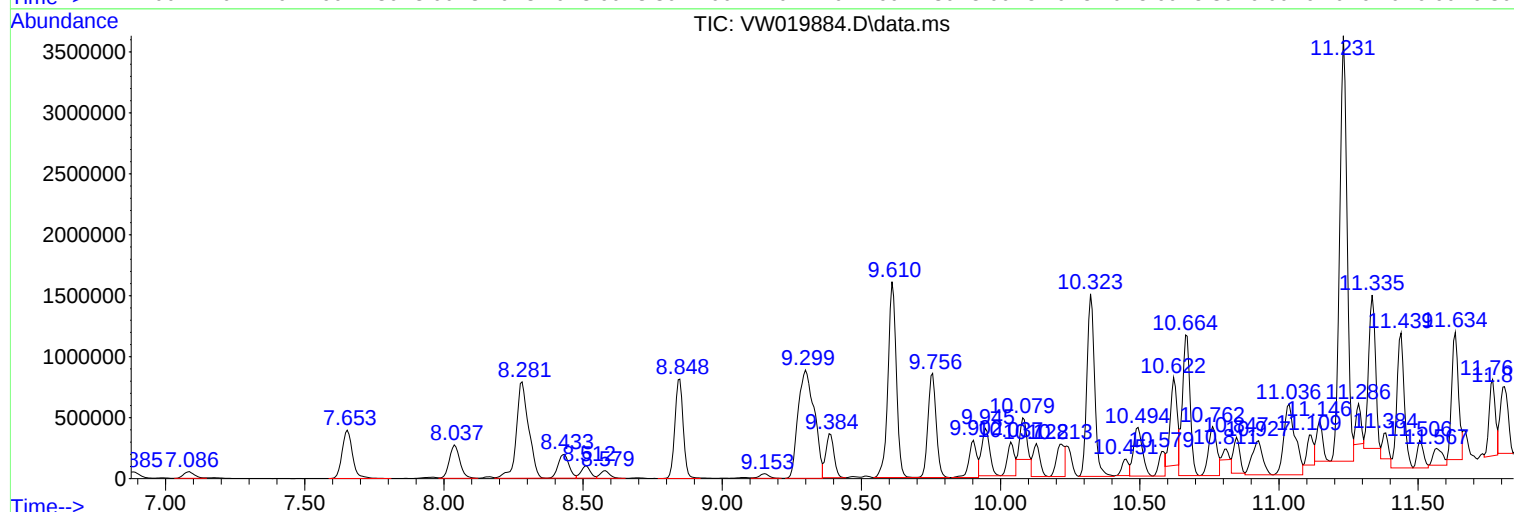
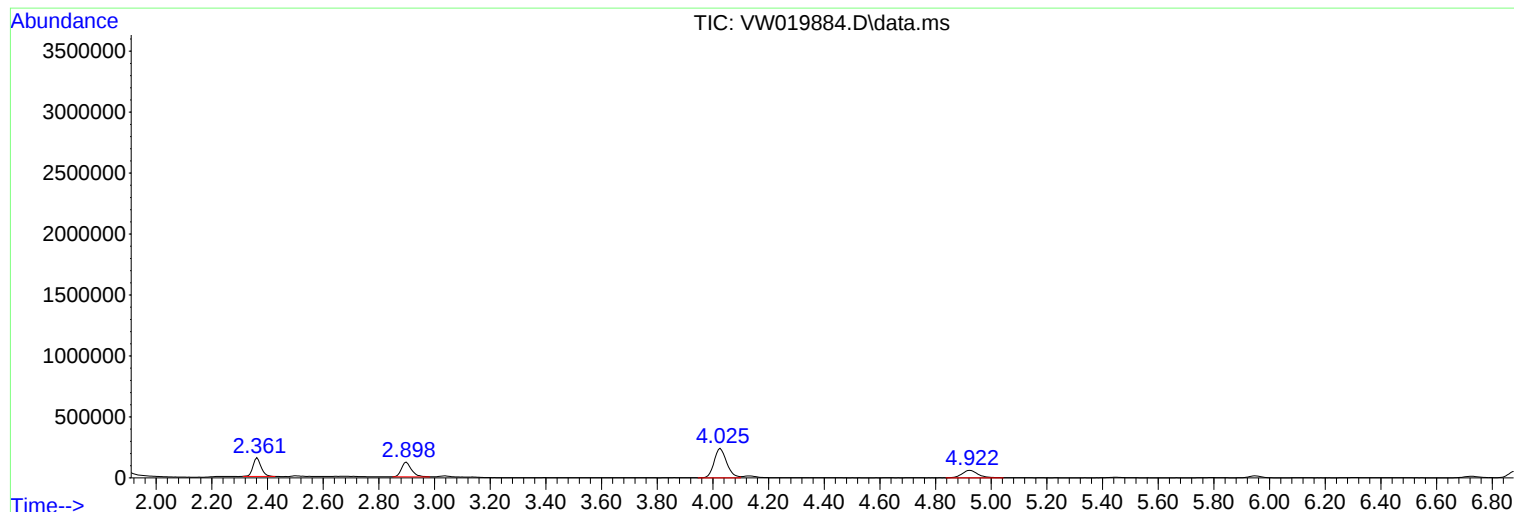
Sum of corrected areas: 87818561

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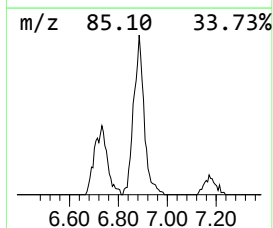
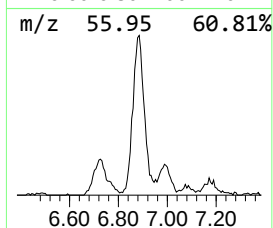
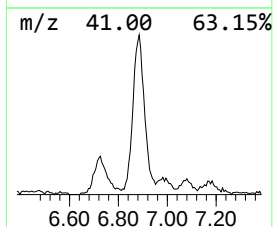
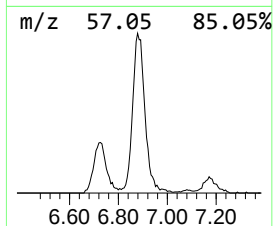
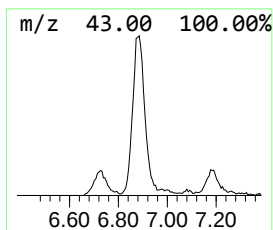
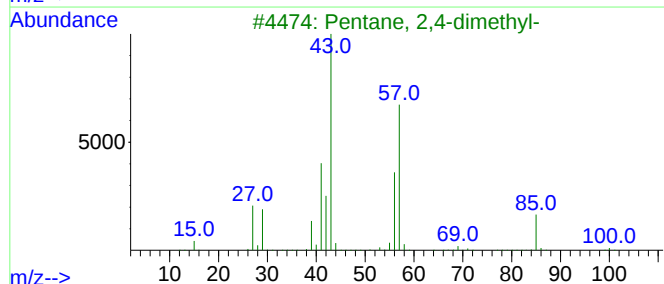
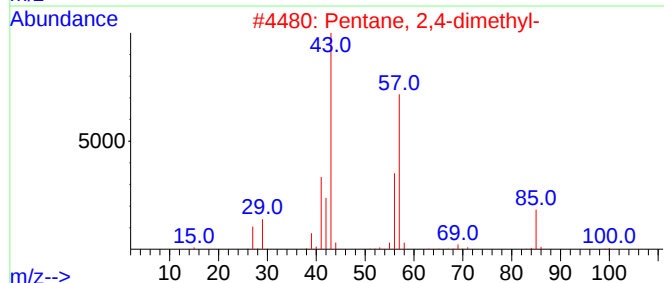
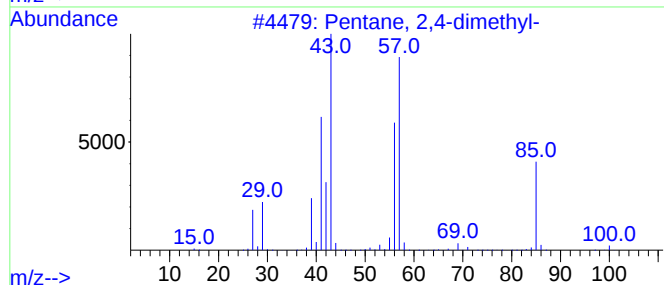
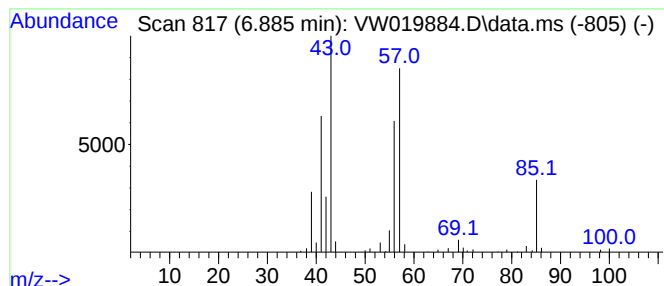
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.885	2.70 ug/L	181941	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	83
4			Heptane, 3-methyl-	114	C8H18	000589-81-1	64
5			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59



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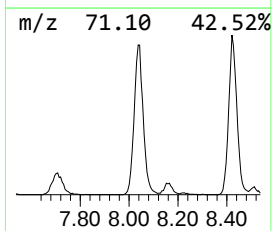
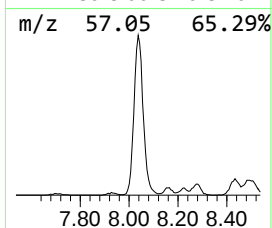
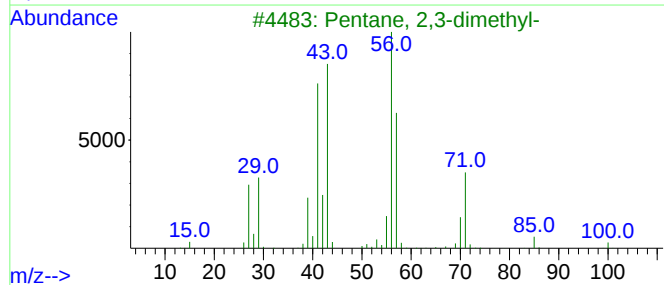
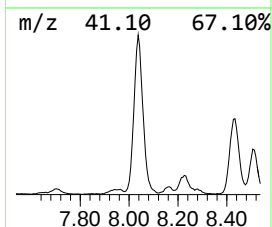
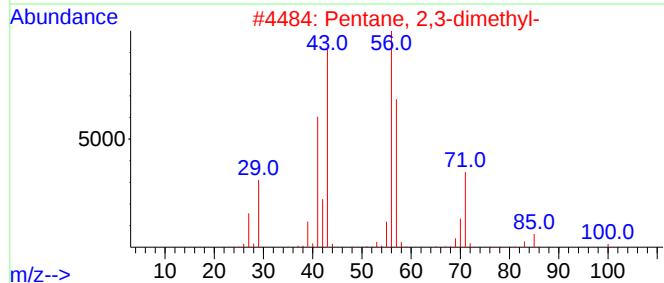
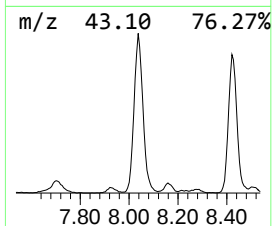
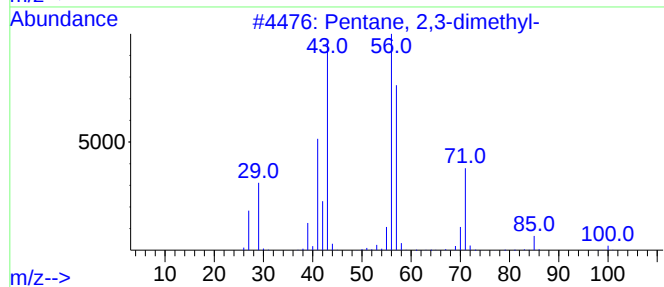
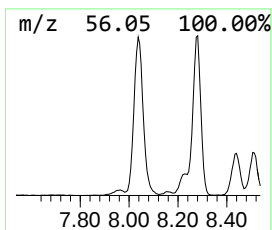
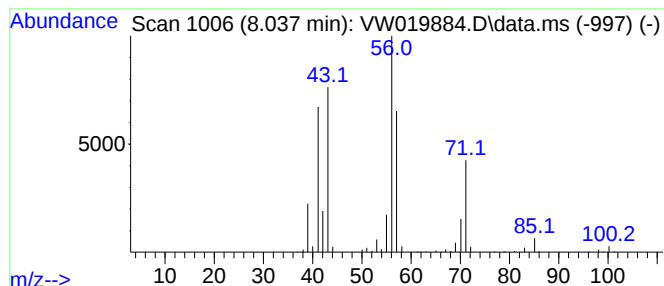
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	10.54 ug/L	711448	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		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
5		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64



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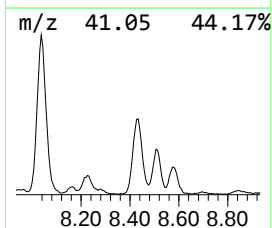
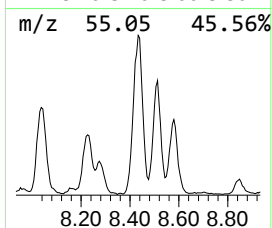
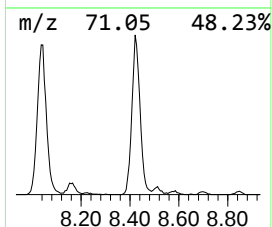
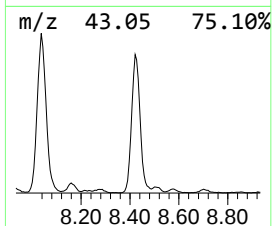
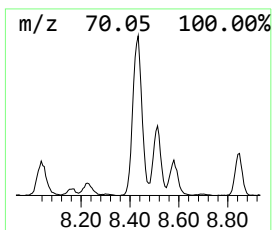
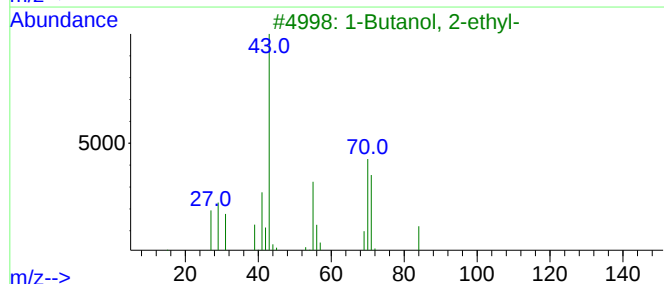
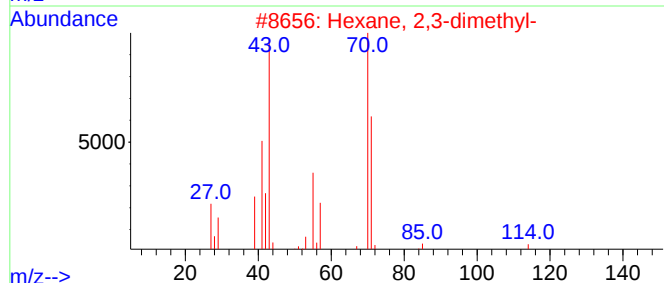
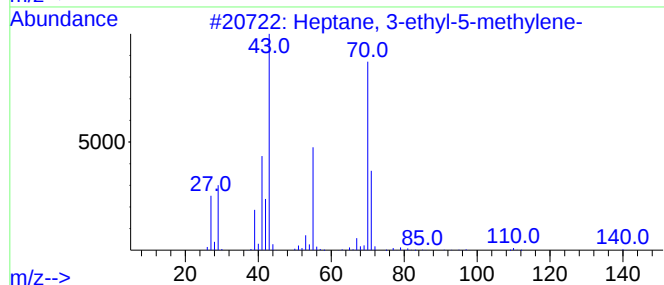
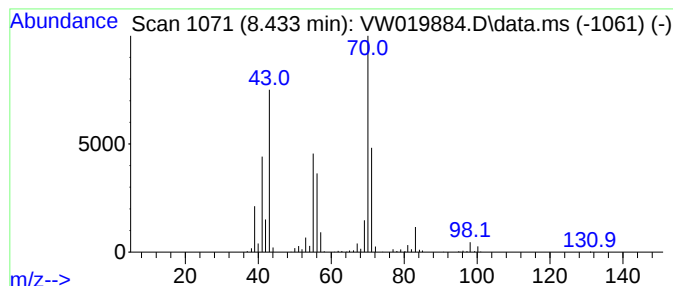
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.433	7.96 ug/L	537380	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-5-methylene-	140	C10H20	1010160-41-7	40
2		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40
3		1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	38
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	38
5		Tridecane, 3-methylene-	196	C14H28	019780-34-8	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

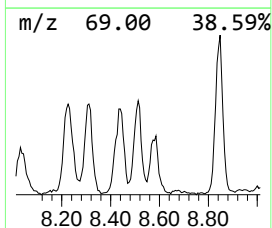
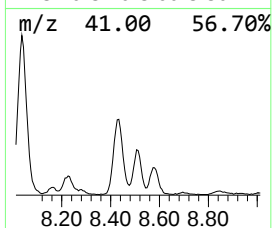
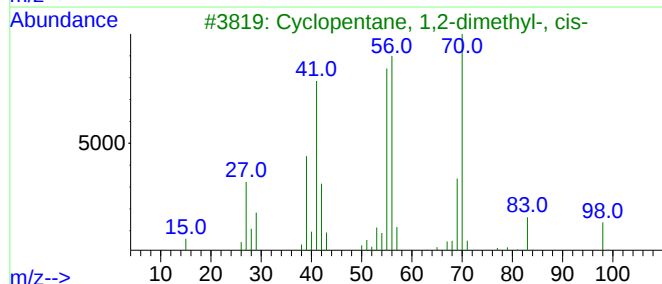
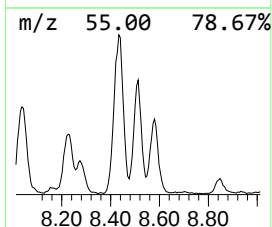
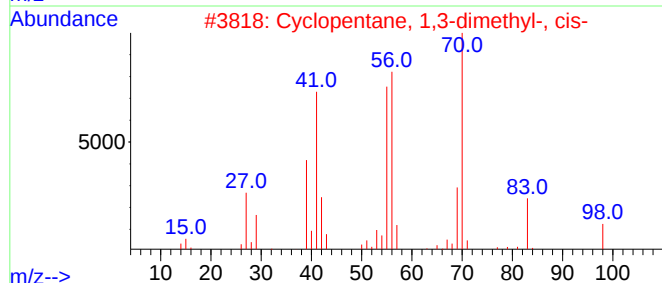
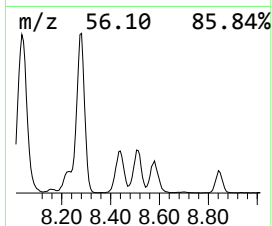
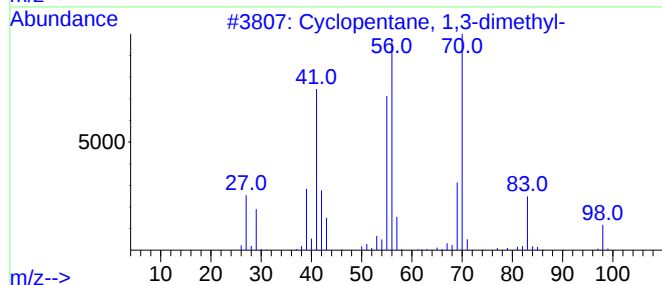
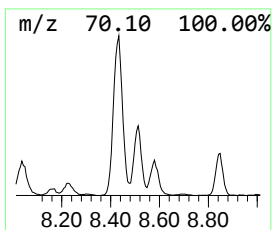
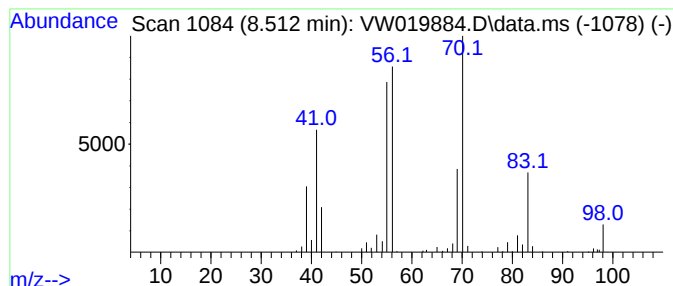
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic8.512 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	3.43 ug/L	231874	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	90
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	83
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

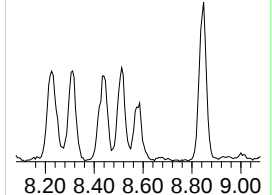
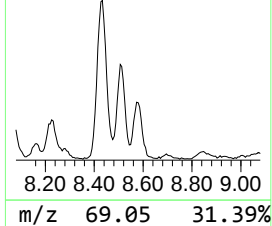
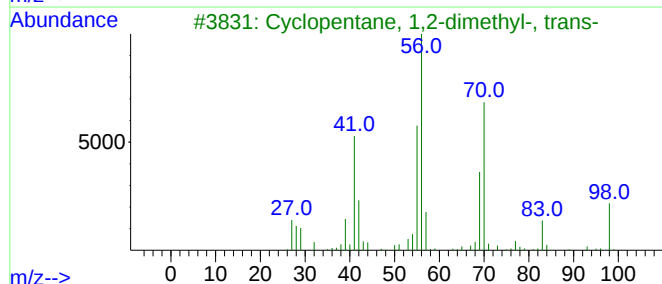
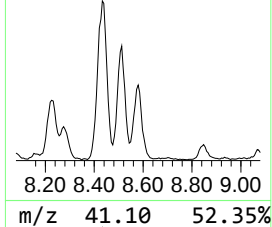
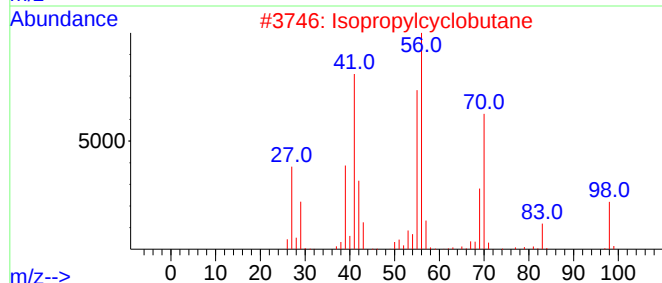
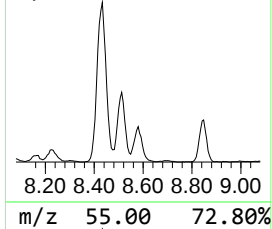
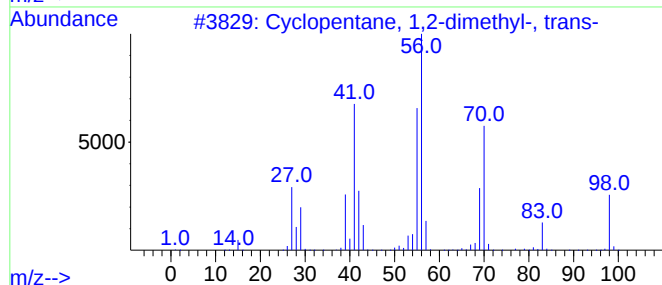
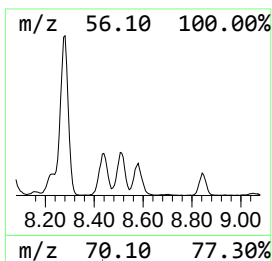
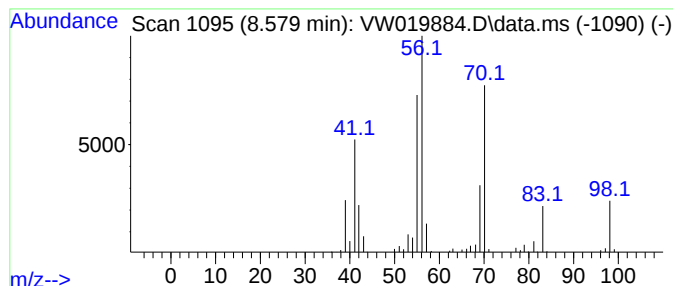
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic8.579 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	2.12 ug/L	142826	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2			Isopropylcyclobutane	98	C7H14	000872-56-0	90
3			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

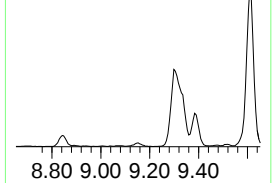
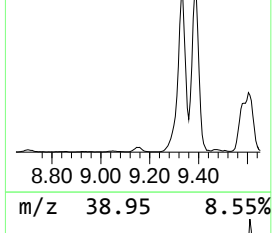
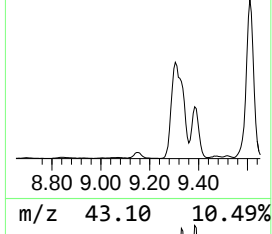
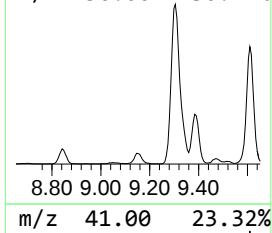
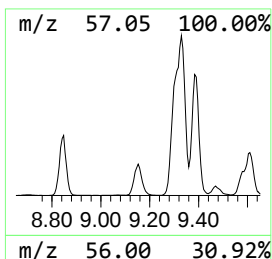
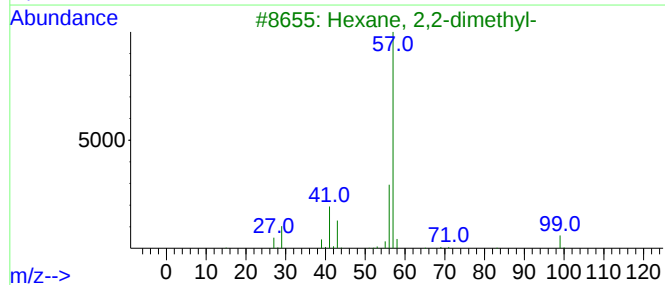
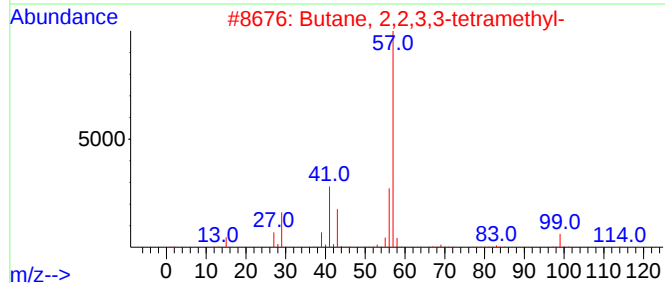
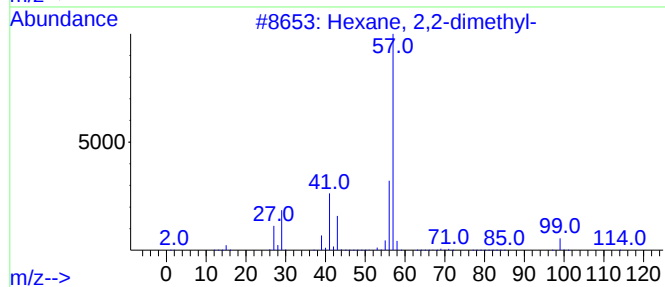
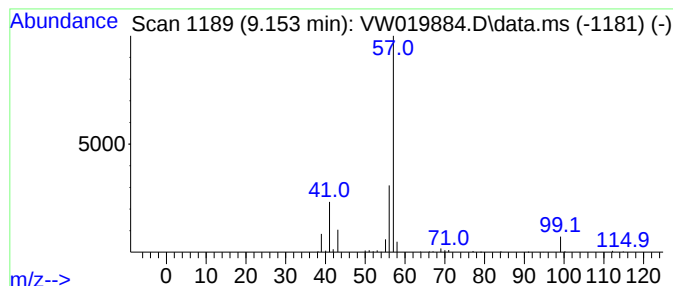
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.153	1.35 ug/L	91250	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

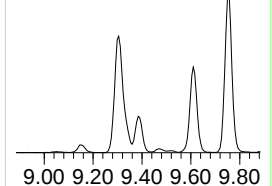
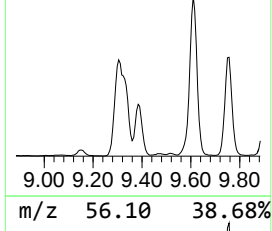
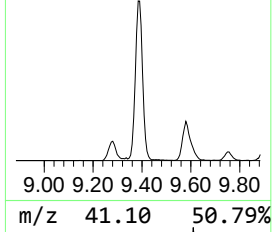
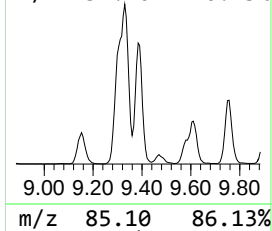
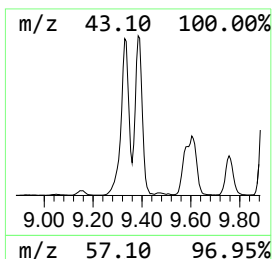
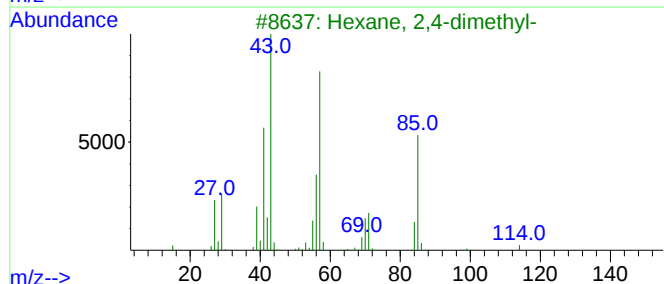
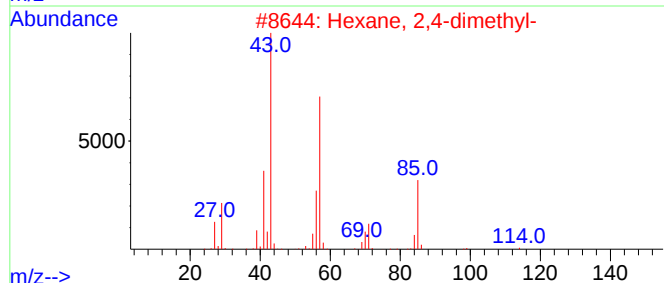
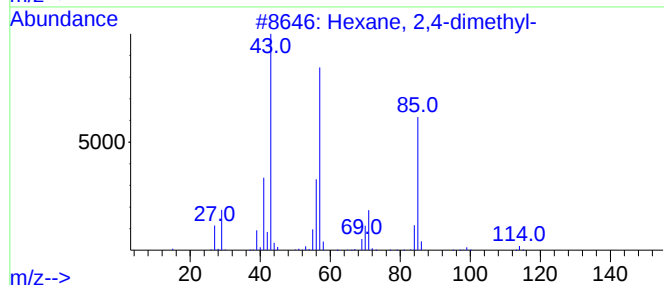
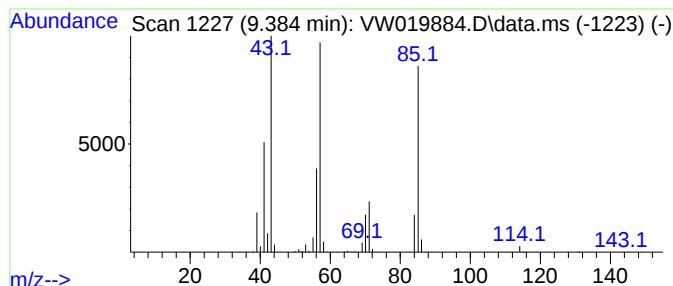
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	10.65 ug/L	719222	1,4-Difluorobenzene	8.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
5		Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

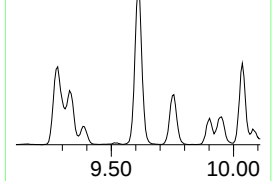
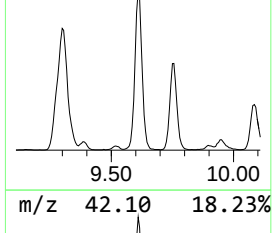
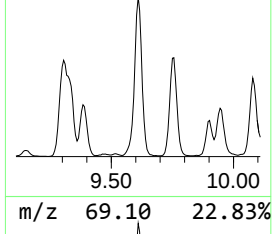
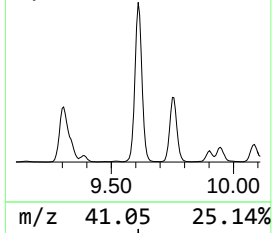
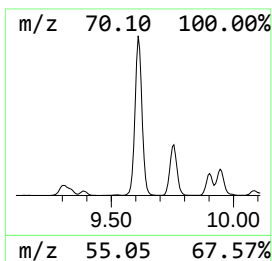
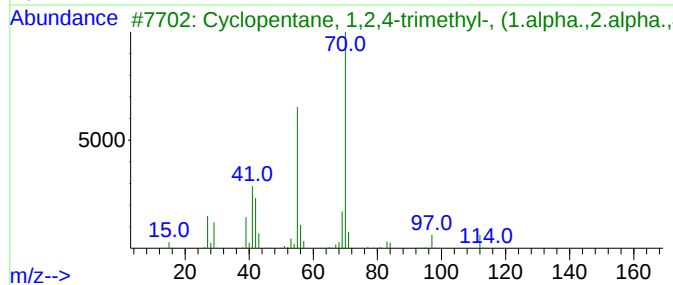
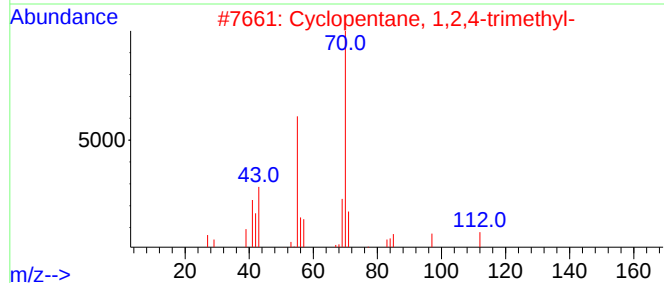
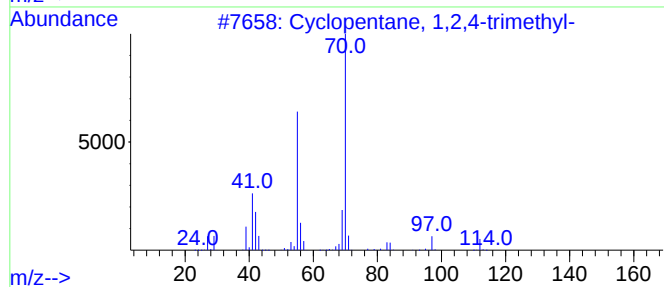
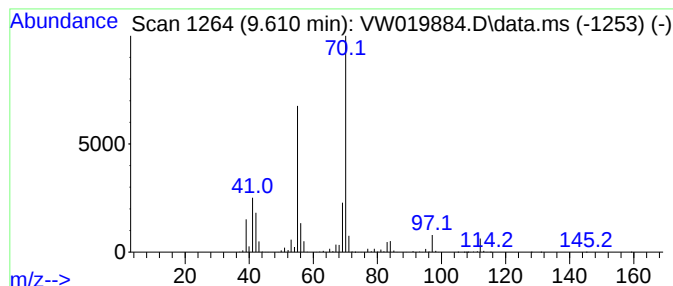
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic9.610 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	49.57 ug/L	3345900	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
4			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	80
5			Heptane, 3-methylene-	112	C8H16	001632-16-2	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

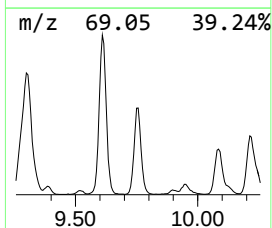
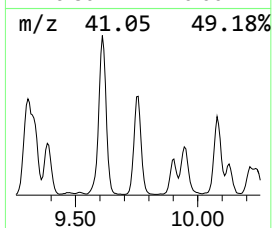
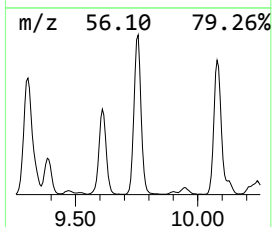
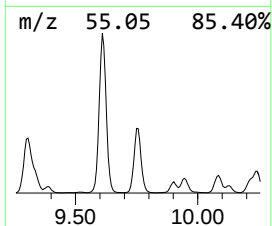
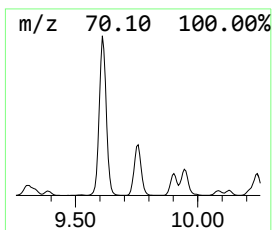
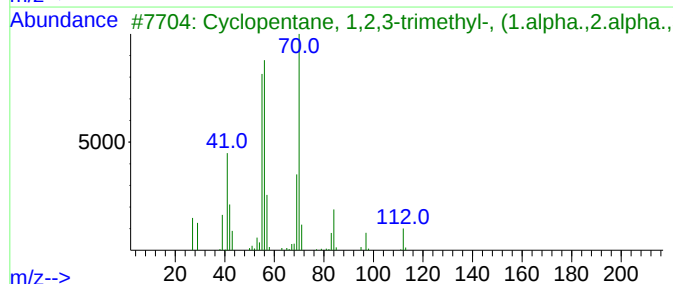
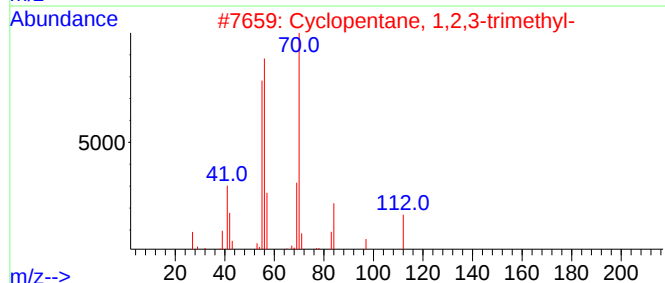
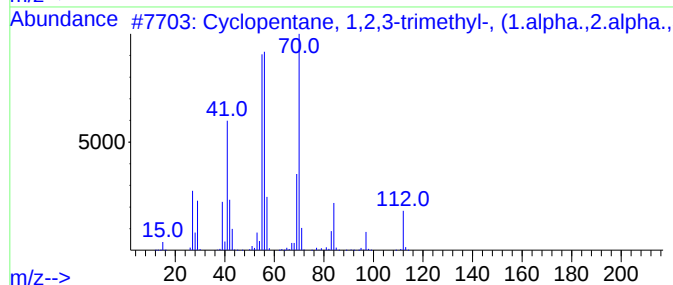
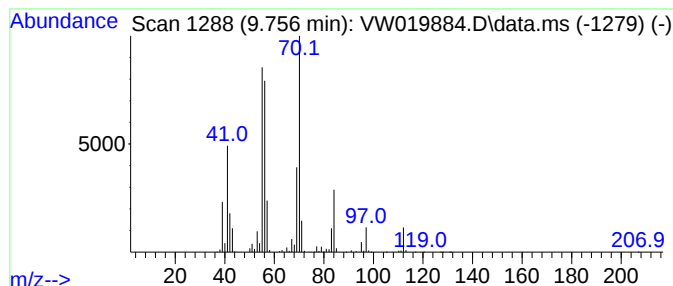
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic9.756 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	25.69 ug/L	1734450	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	002815-57-8	91
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	81
5			2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

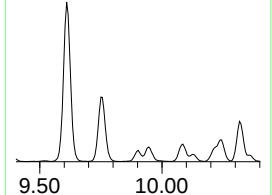
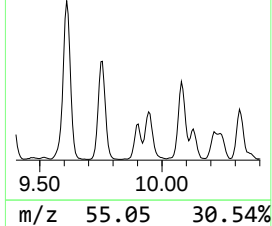
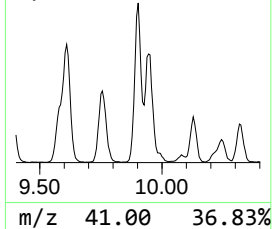
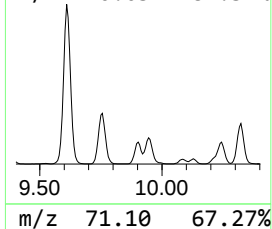
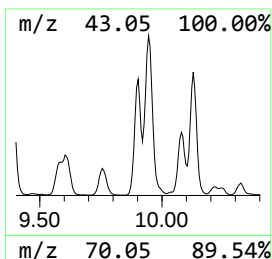
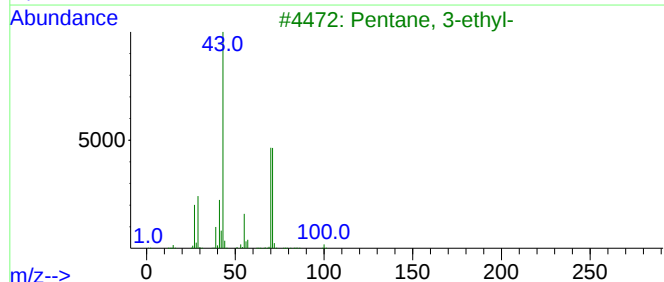
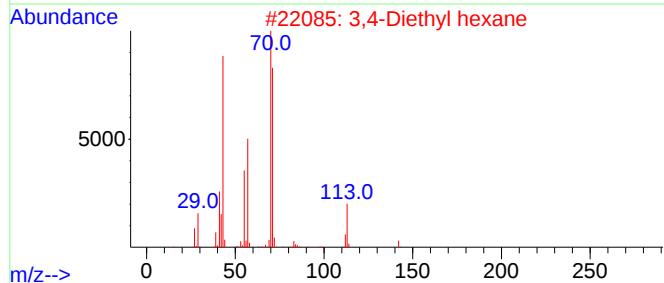
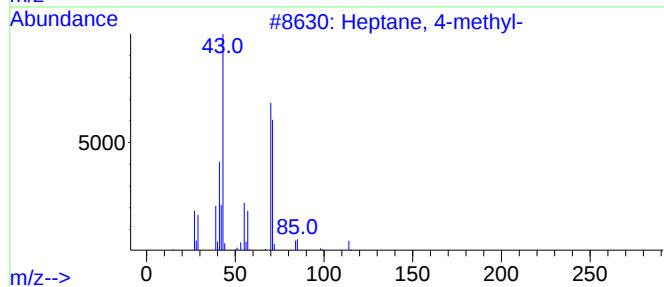
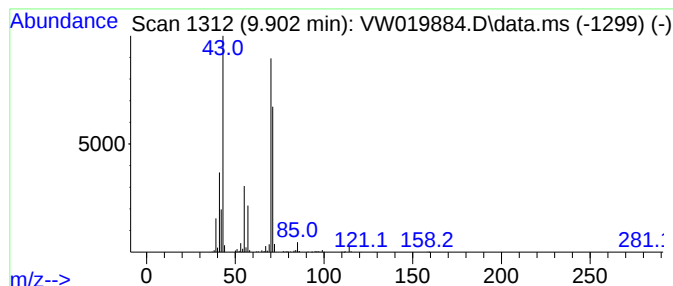
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.902	8.88 ug/L	599419	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2			3,4-Diethyl hexane	142	C10H22	019398-77-7	78
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4			Diisoamyl ether	158	C10H22O	000544-01-4	72
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

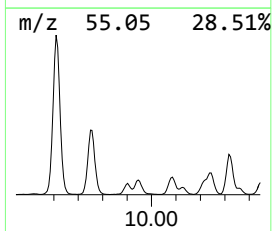
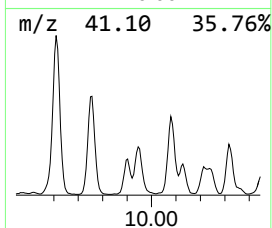
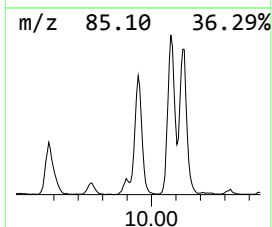
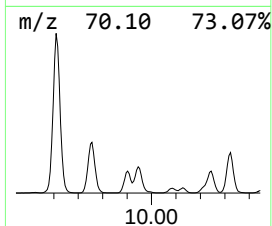
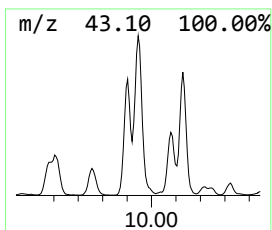
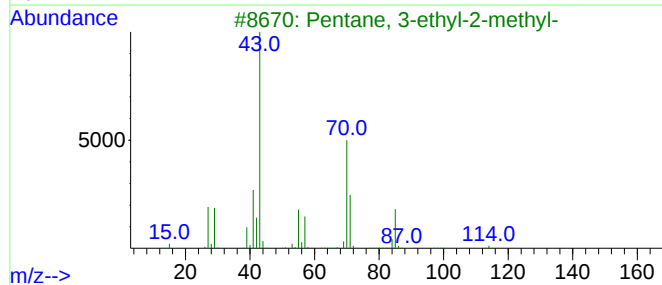
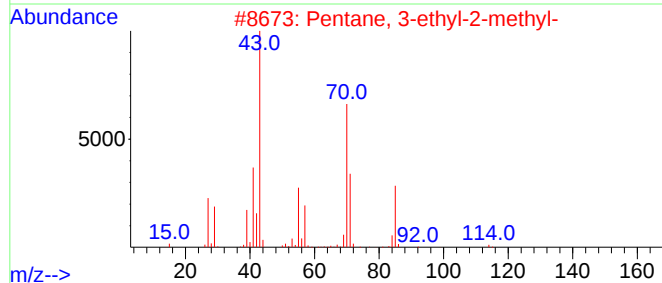
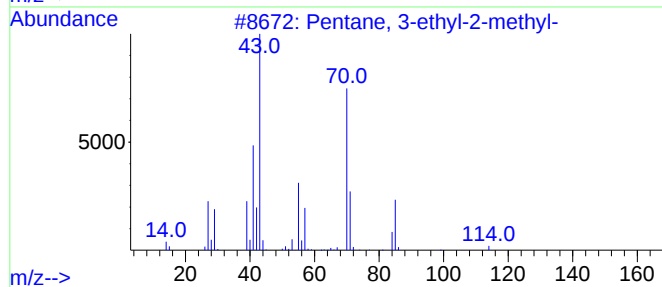
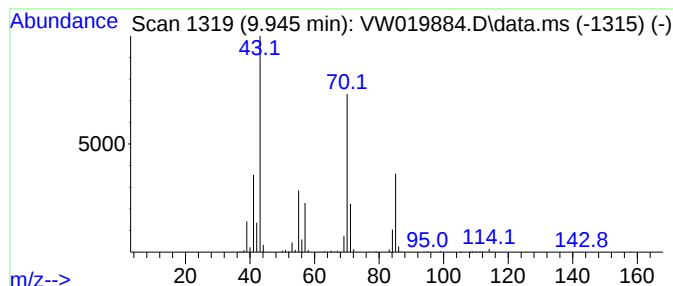
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	11.38 ug/L	768085	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
3			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
4			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	72
5			Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

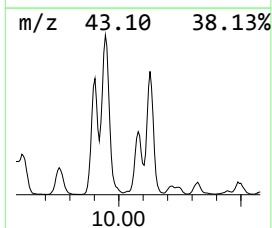
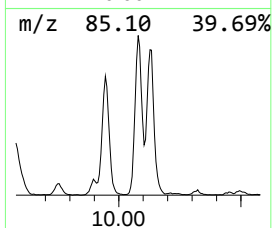
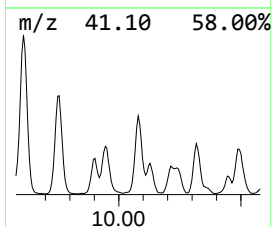
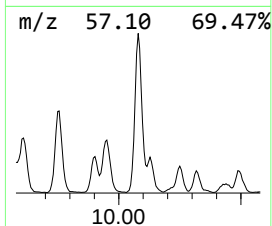
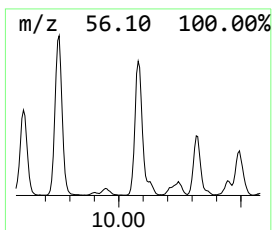
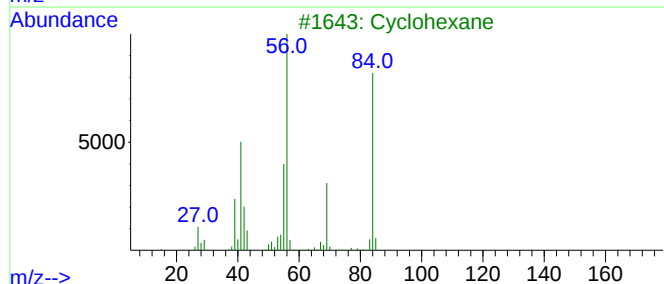
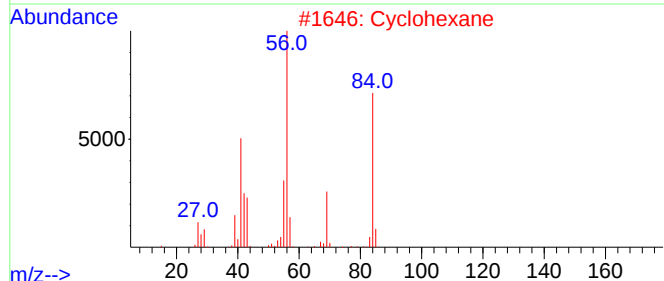
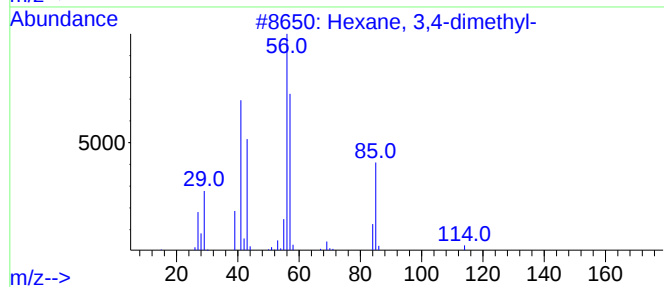
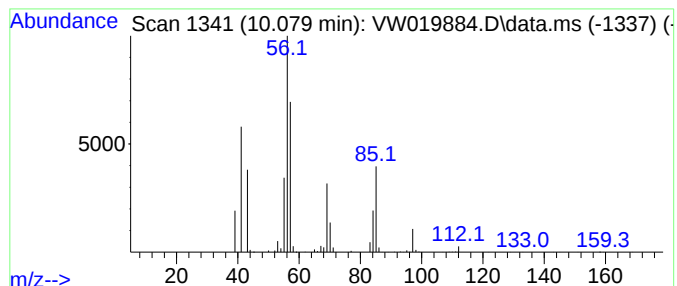
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 13 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.079	7.98 ug/L	538707	1,4-Difluorobenzene	8.848	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
2	Cyclohexane	84	C6H12	000110-82-7	50
3	Cyclohexane	84	C6H12	000110-82-7	49
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	45
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

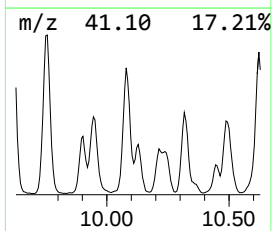
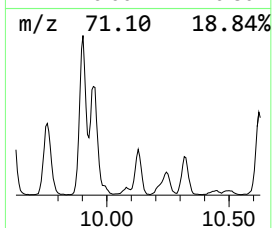
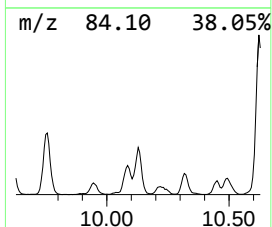
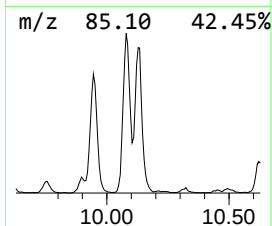
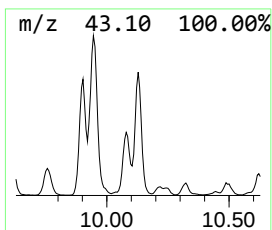
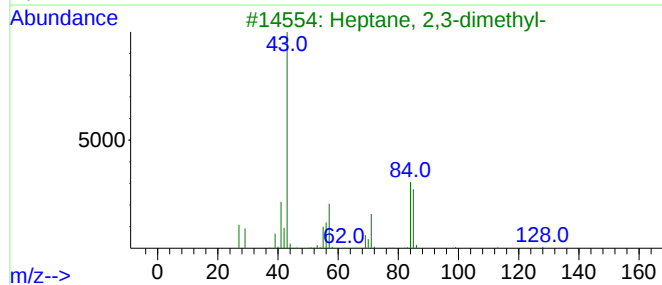
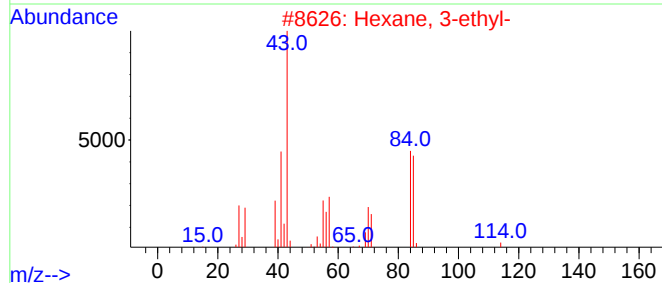
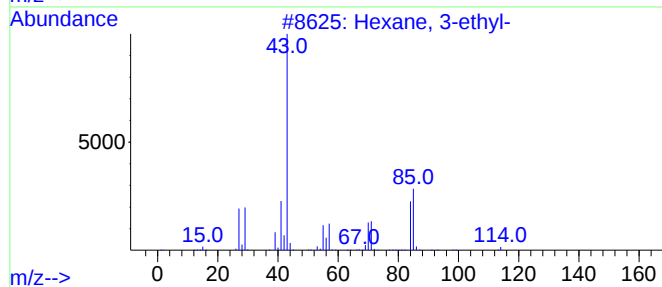
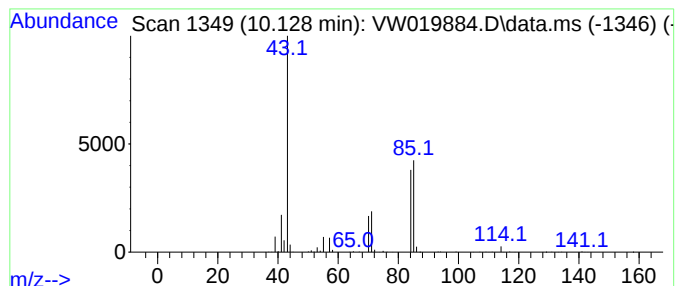
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.128	6.72 ug/L	453770	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-	114	C8H18	000619-99-8	87
2			Hexane, 3-ethyl-	114	C8H18	000619-99-8	86
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
4			Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

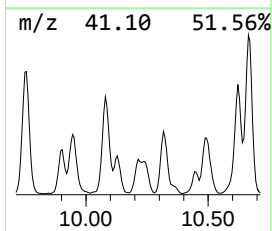
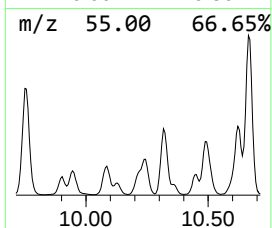
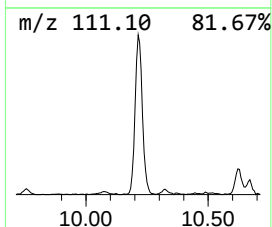
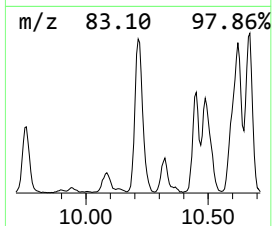
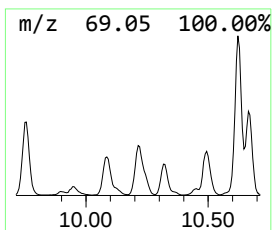
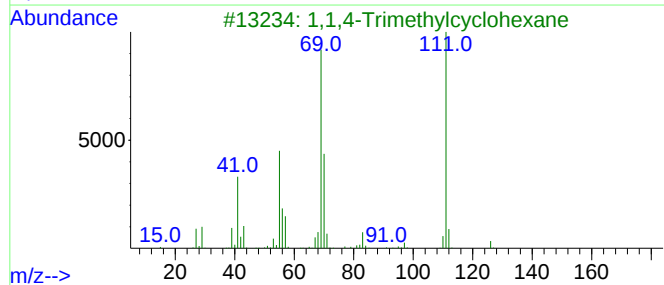
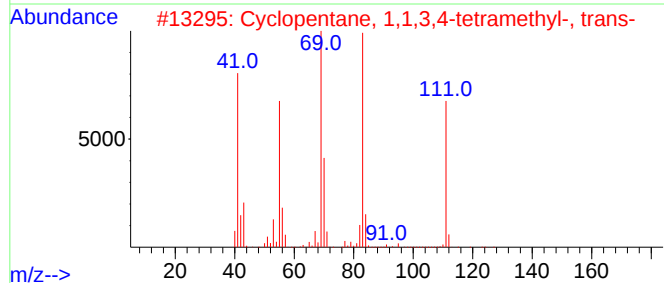
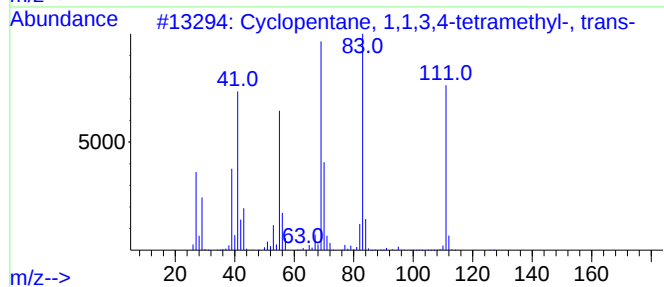
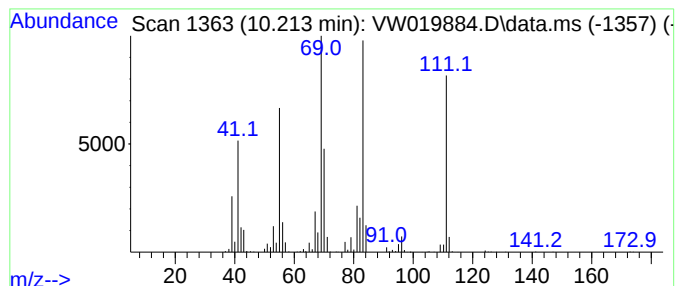
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic10.213 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.213	8.39 ug/L	566524	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	94
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	72
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
4			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

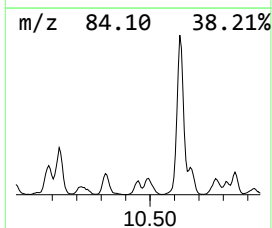
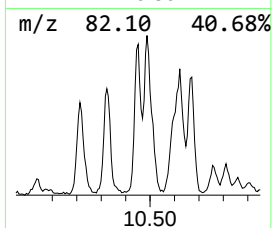
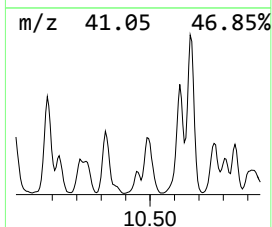
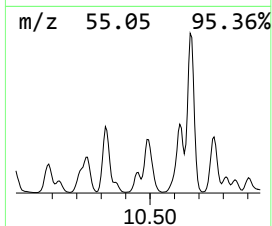
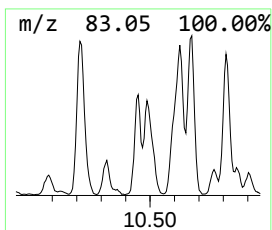
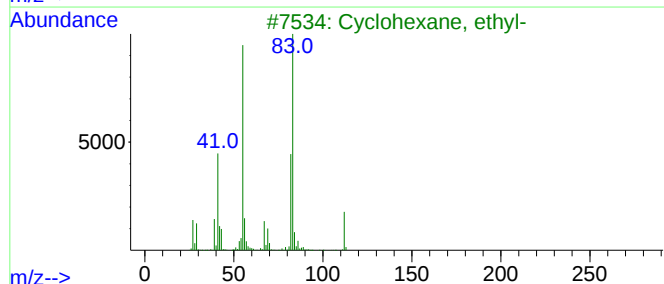
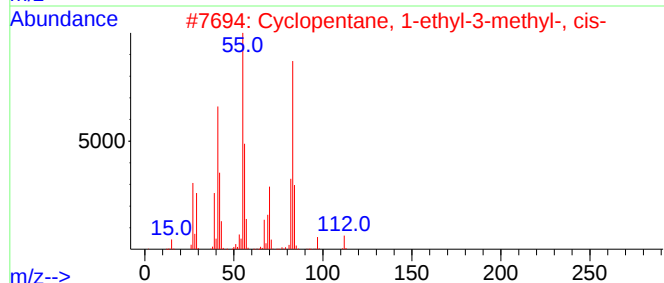
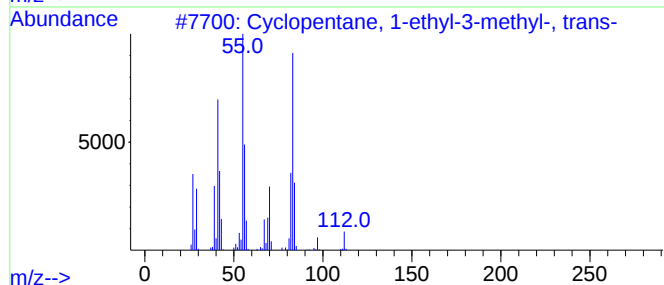
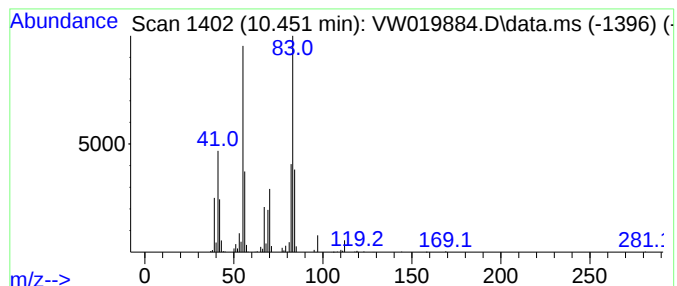
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.451 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	3.25 ug/L	233690	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	94
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	83
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	52
4			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	50
5			1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

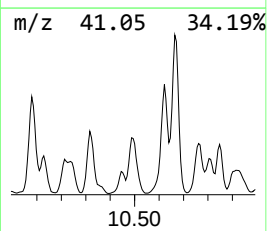
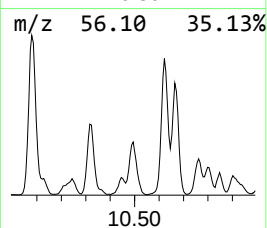
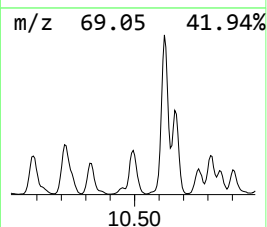
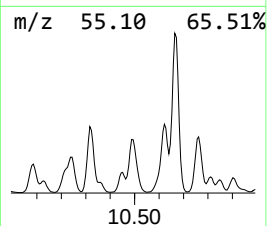
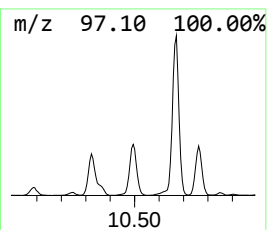
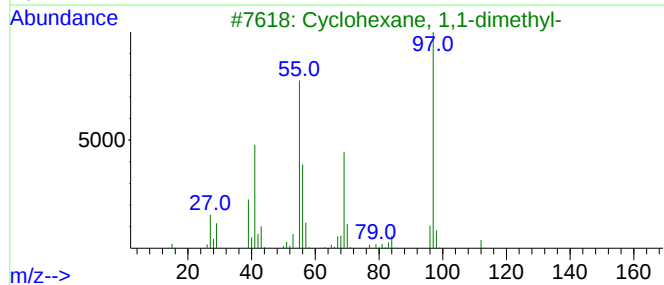
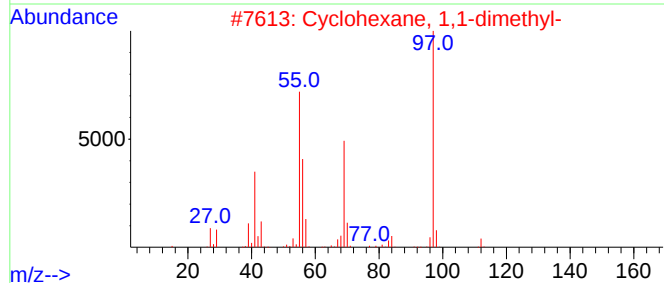
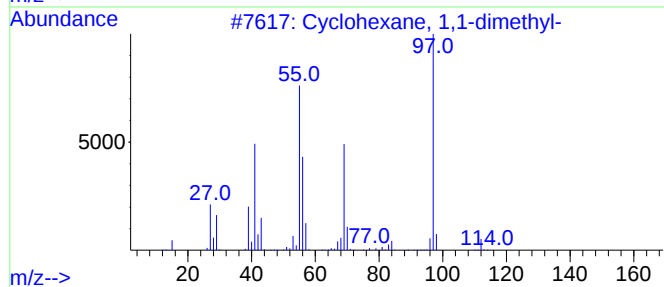
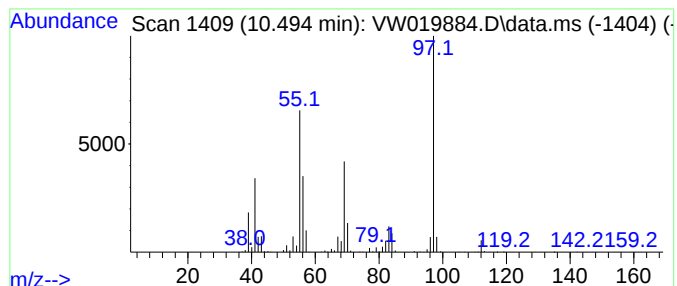
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 17 (DEL) Alkane: Cyclic10.494 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.494	12.25 ug/L	879532	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-		112	C8H16	000590-66-9	94
2	Cyclohexane, 1,1-dimethyl-		112	C8H16	000590-66-9	93
3	Cyclohexane, 1,1-dimethyl-		112	C8H16	000590-66-9	93
4	Cyclohexane, 1,3-dimethyl-, trans-		112	C8H16	002207-03-6	64
5	Cyclohexane, 1,3-dimethyl-, trans-		112	C8H16	002207-03-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

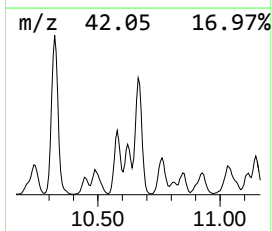
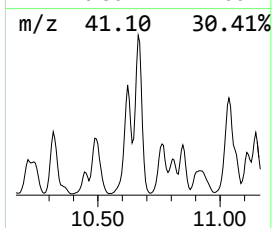
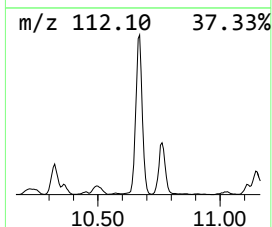
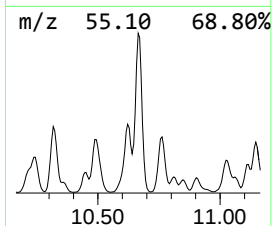
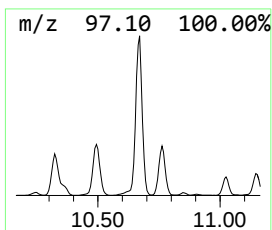
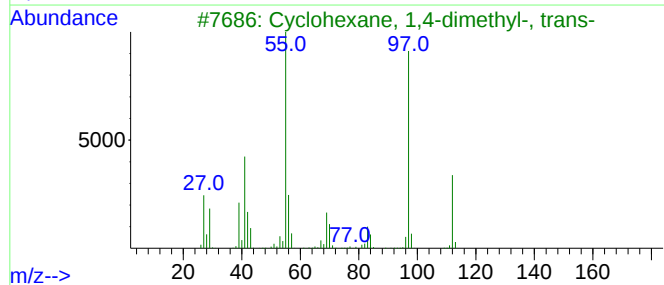
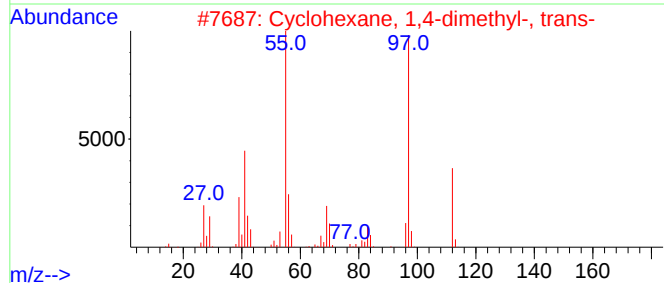
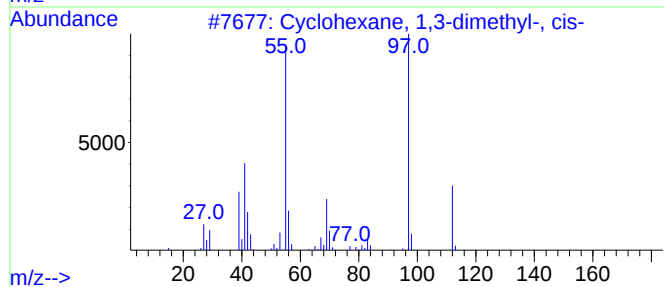
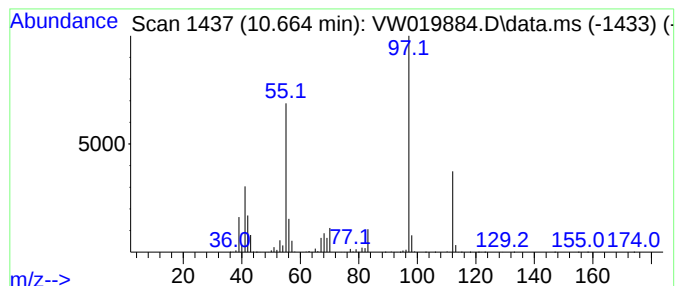
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.664 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	30.32 ug/L	2177150	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

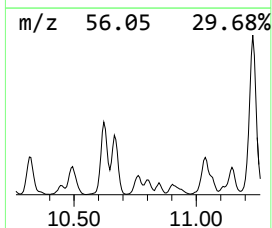
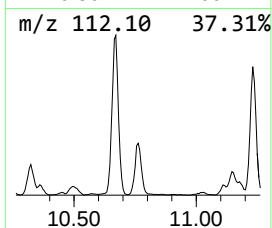
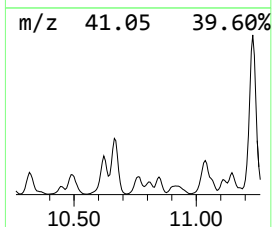
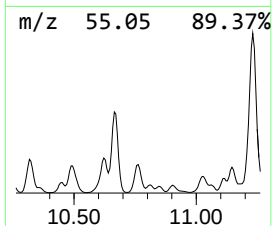
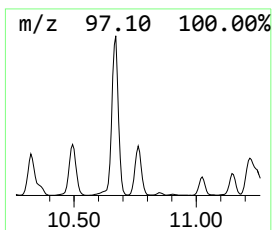
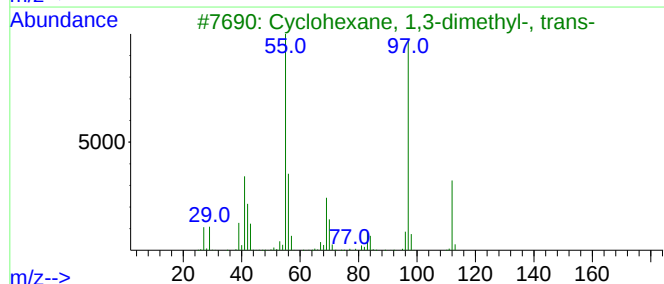
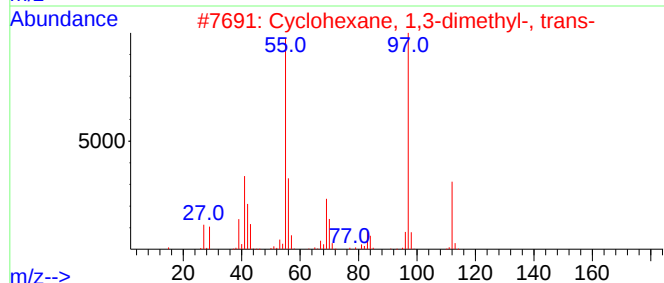
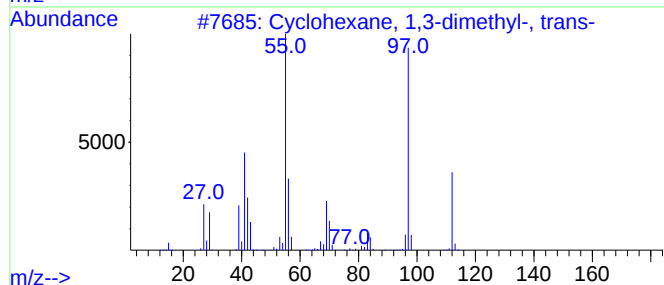
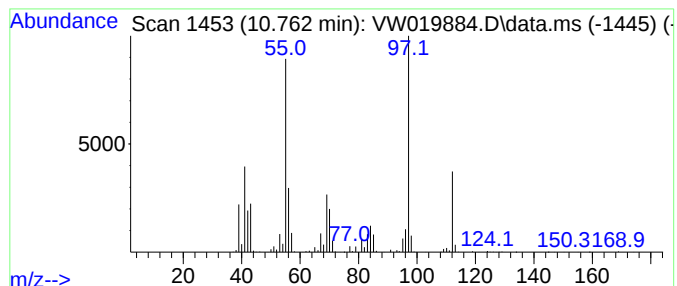
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.762 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	11.75 ug/L	843892	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, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

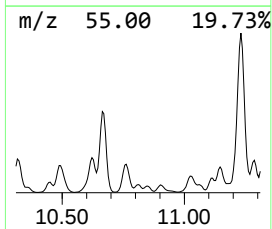
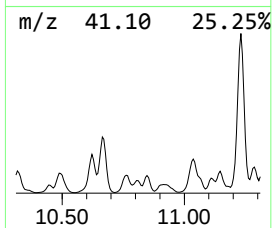
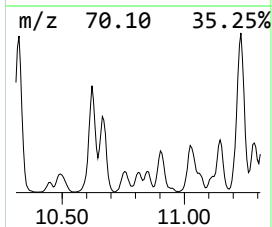
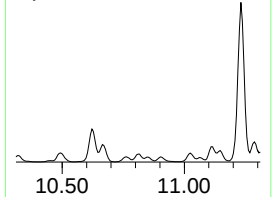
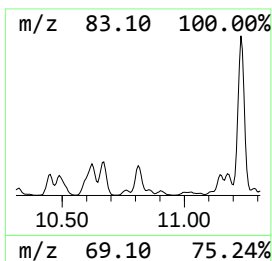
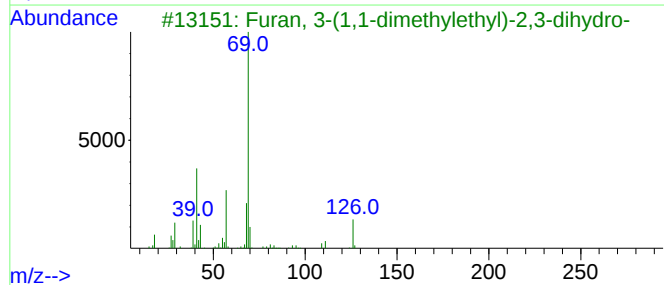
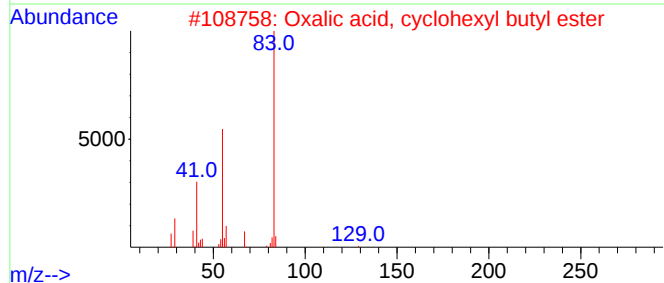
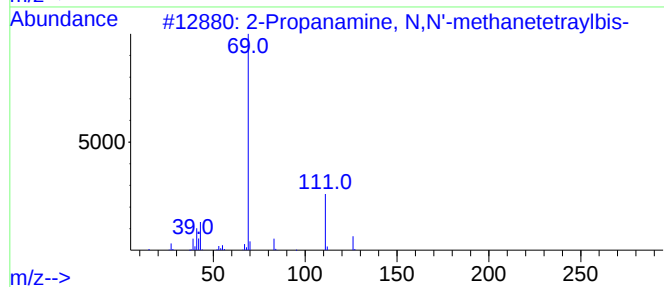
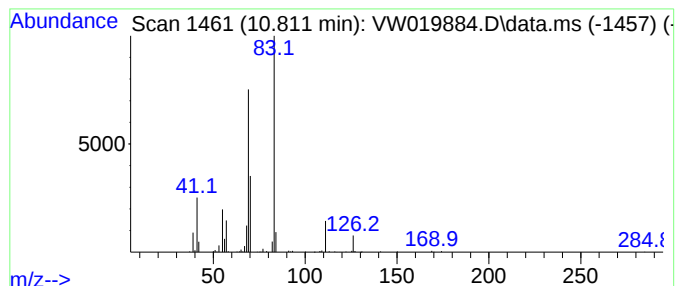
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Quant Title : SFAM01.0

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

Peak Number 20 unknown-01 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.811	1.62 ug/L	116208	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanamine, N,N'-methanetetra...	126	C7H14N2	000693-13-0	27
2			Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	25
3			Furan, 3-(1,1-dimethylethyl)-2,3...	126	C8H14O	034314-82-4	25
4			Oxalic acid, cyclohexyl tetradec...	368	C22H40O4	1000309-31-5	23
5			Hexanal trans-2-hexenyl pentyl a...	270	C17H34O2	1000431-43-3	17



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

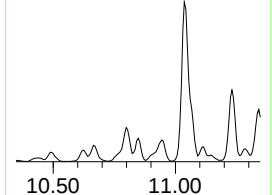
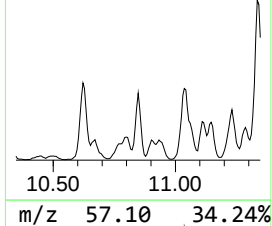
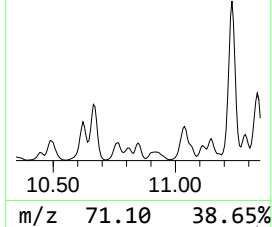
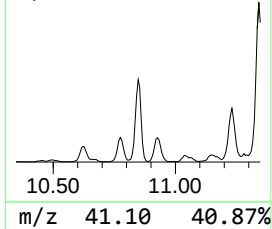
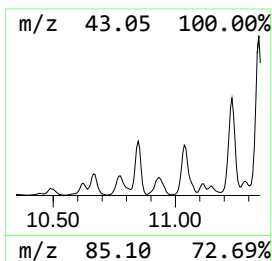
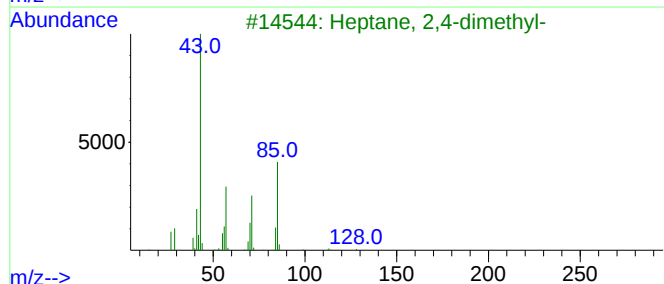
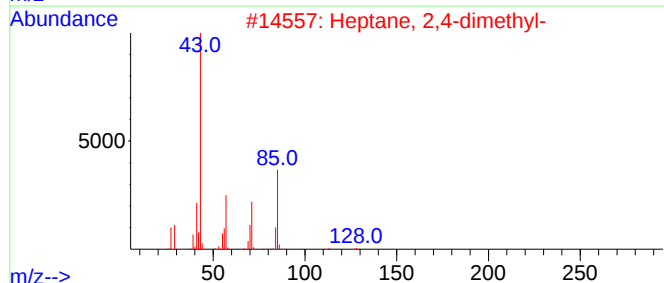
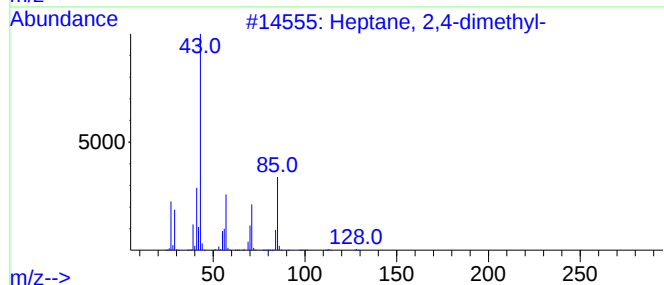
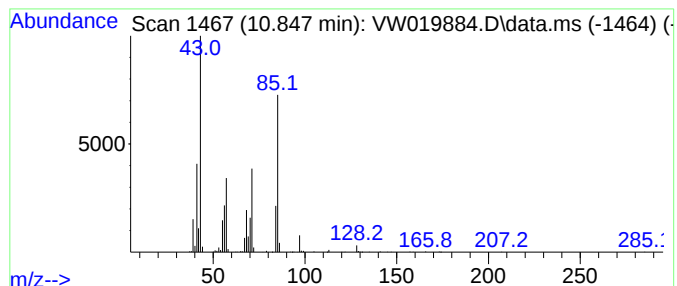
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	6.20 ug/L	445210	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4		Octane	114	C8H18	000111-65-9	64
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

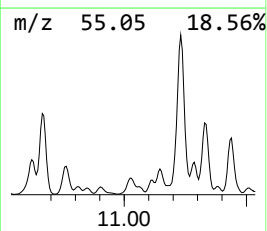
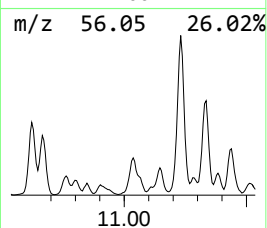
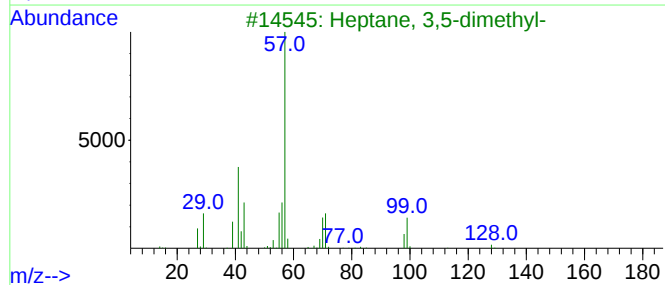
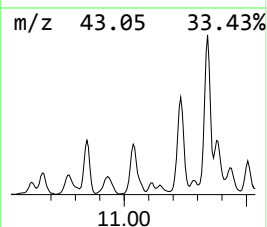
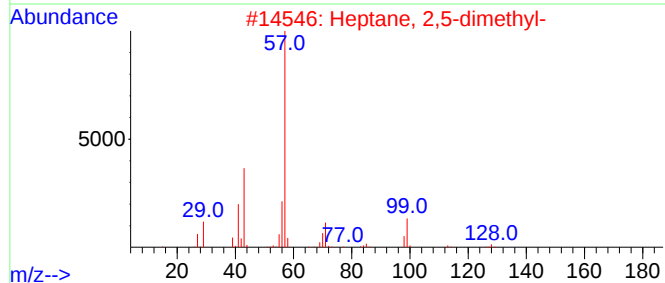
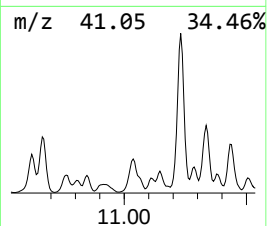
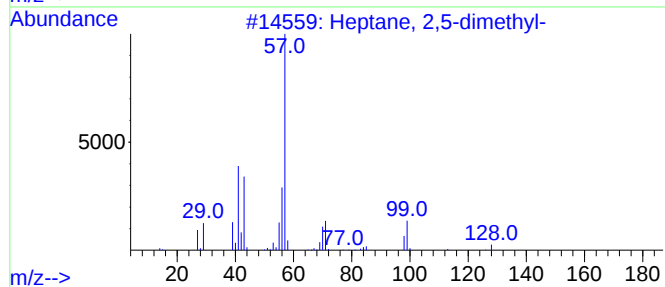
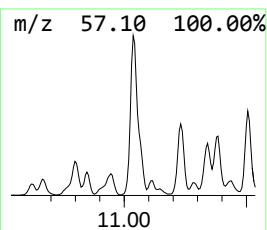
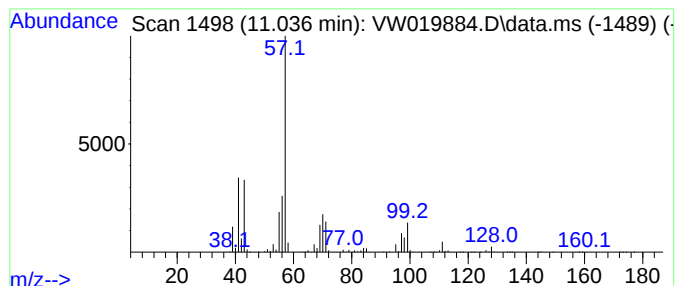
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	22.88 ug/L	1643120	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58
4			Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	53
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

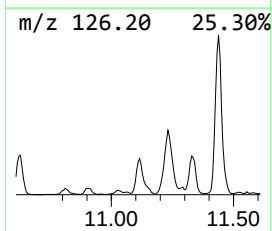
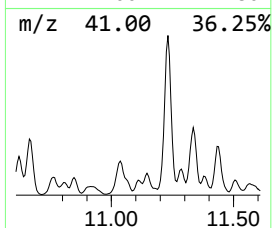
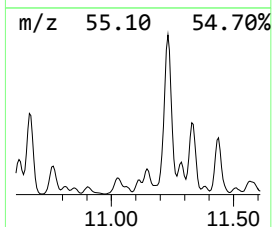
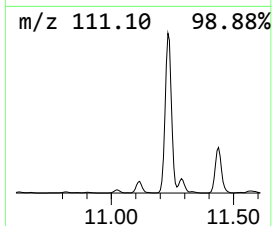
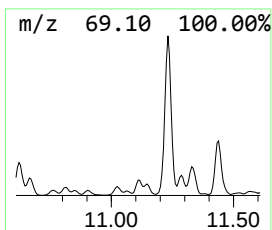
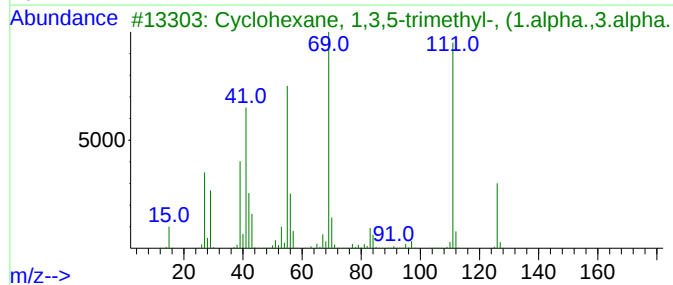
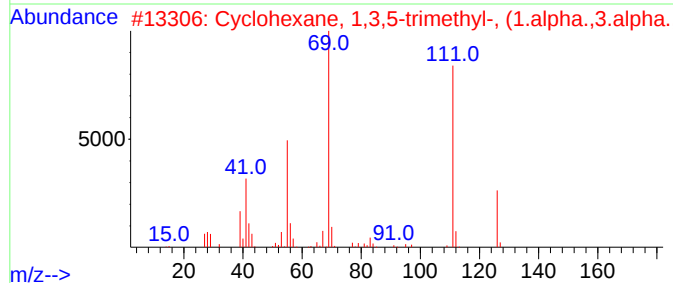
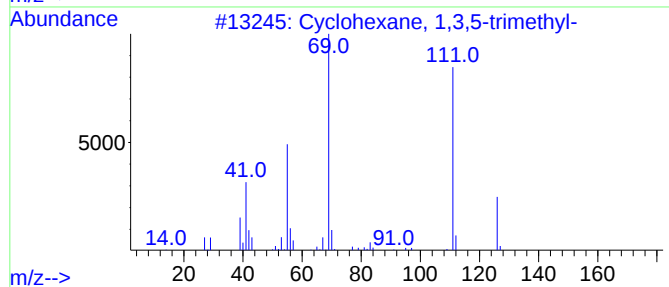
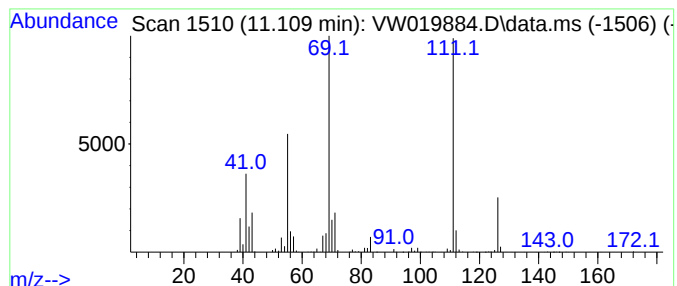
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.110 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	5.63 ug/L	404646	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	95
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	95
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

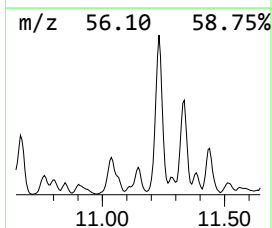
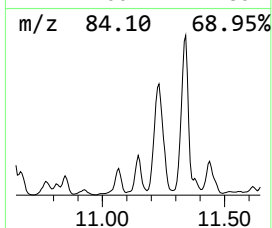
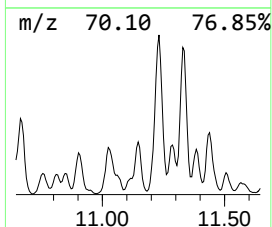
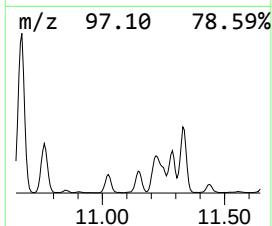
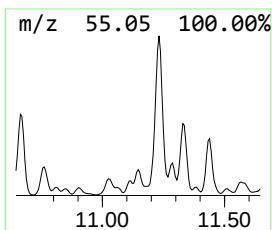
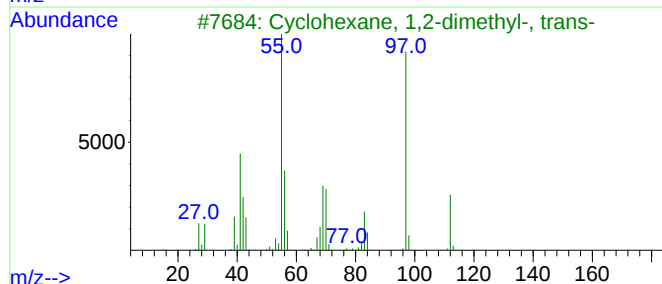
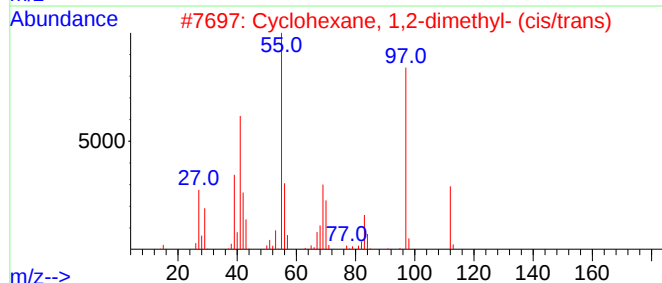
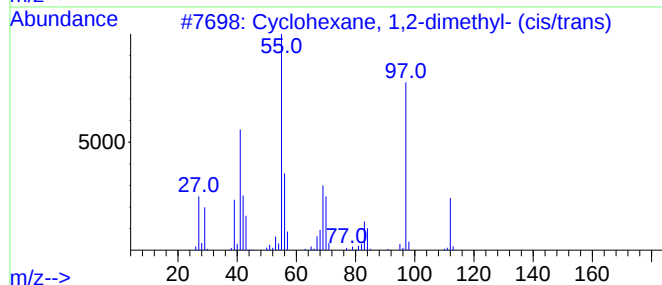
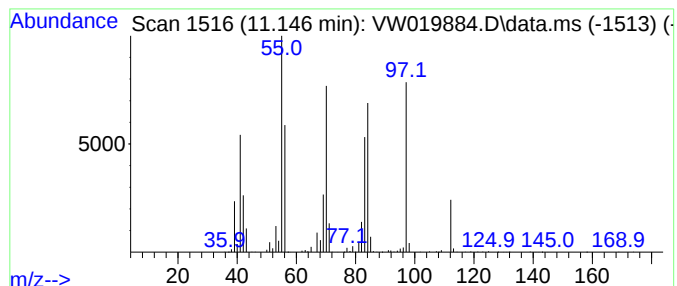
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.146 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	6.81 ug/L	489389	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	46
4			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46
5			Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

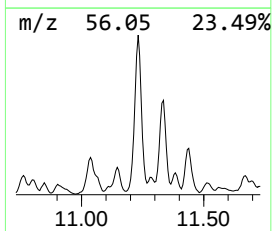
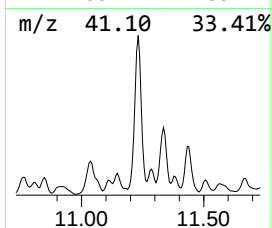
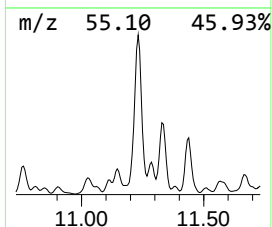
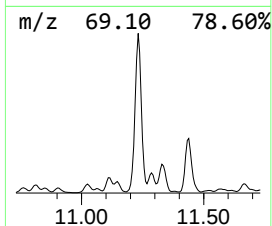
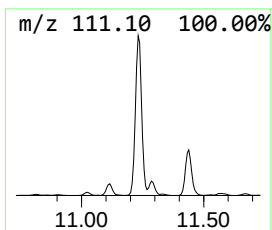
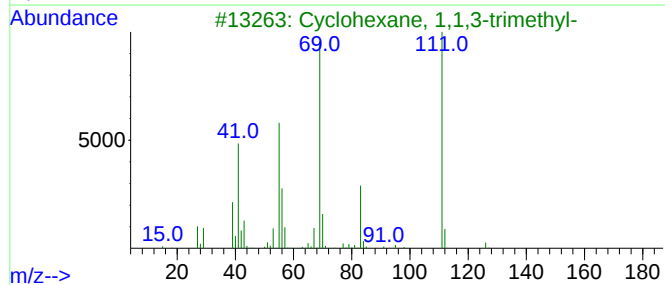
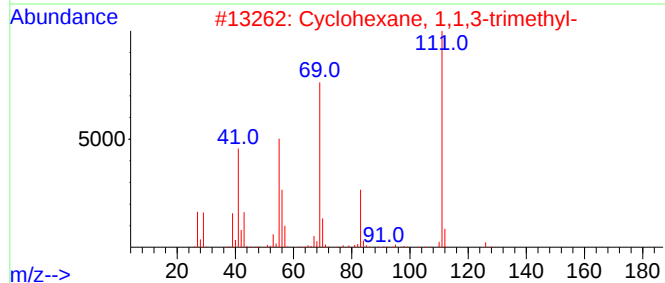
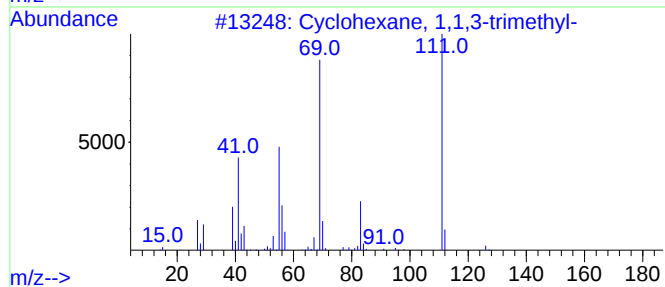
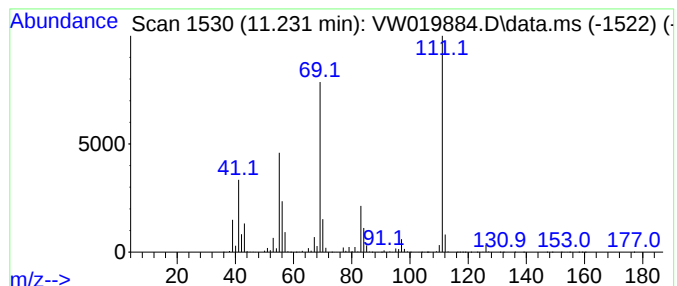
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.231 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	91.63 ug/L	6580070	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
5		Cyclooctane, butyl-	168	C12H24	016538-93-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

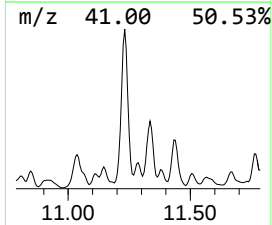
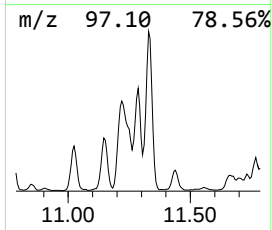
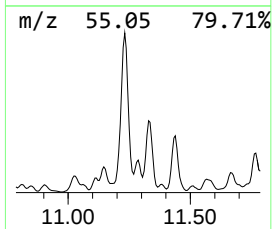
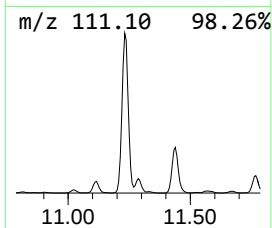
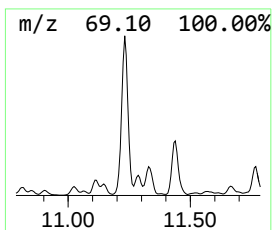
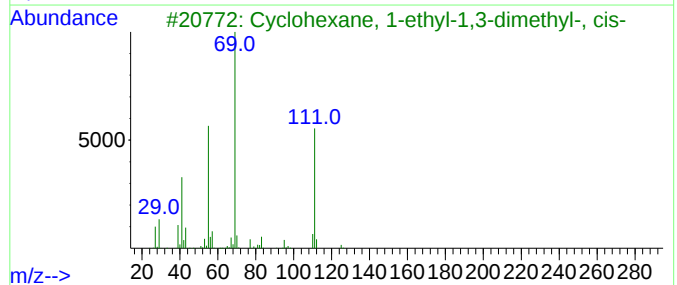
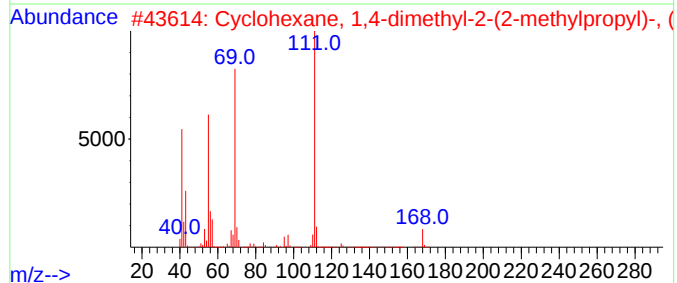
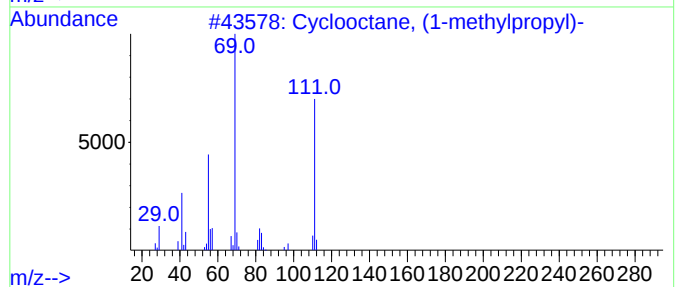
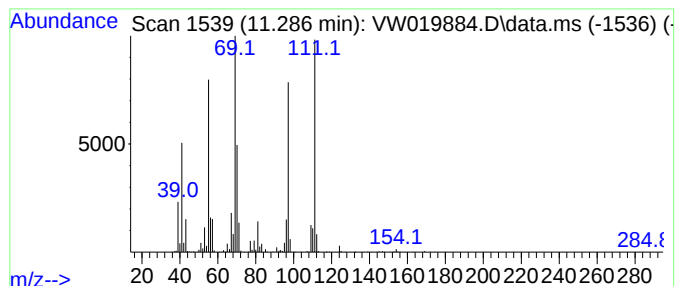
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.286 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	5.84 ug/L	419662	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
2			Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	47
3			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	47
4			1,1'-Bicyclooctyl	222	C16H30	006708-17-4	46
5			4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

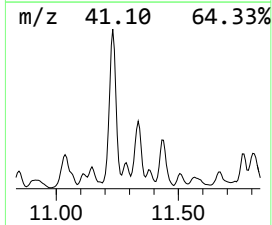
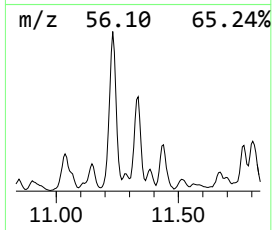
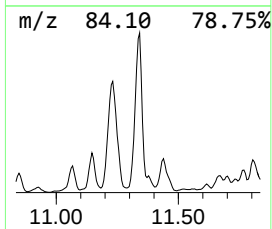
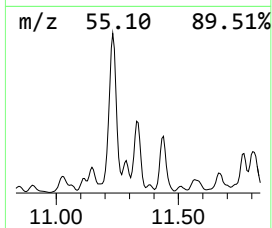
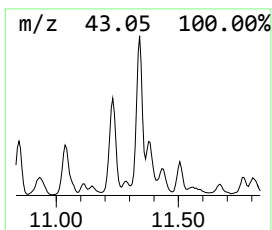
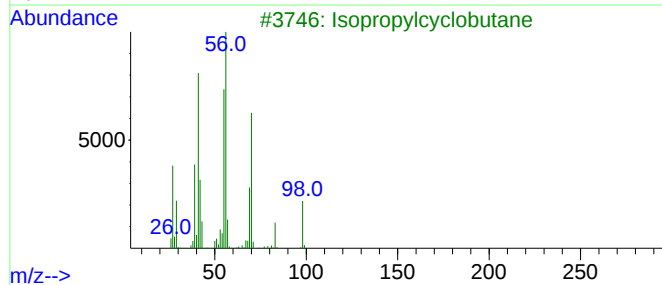
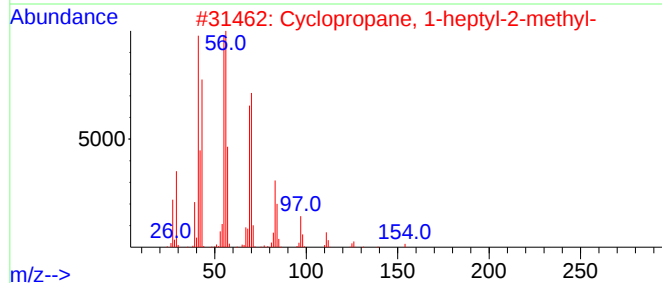
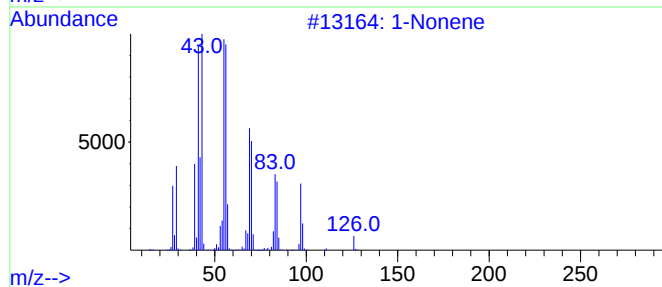
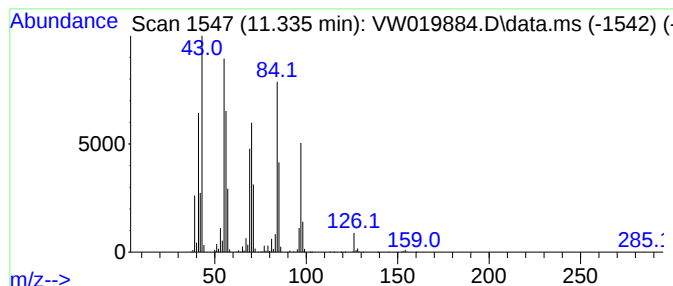
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	29.66 ug/L	2130230	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1	Nonene	126	C9H18	000124-11-8	41
2		Cyclopropane, 1-heptyl-2-methyl-	154	C11H22	074663-91-5	38
3		Isopropylcyclobutane	98	C7H14	000872-56-0	38
4		2-Hexene	84	C6H12	000592-43-8	38
5		2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

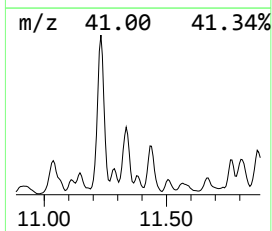
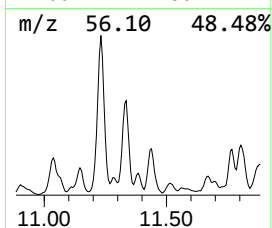
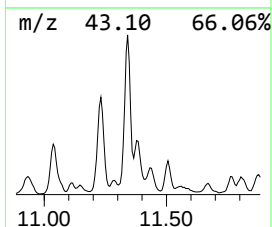
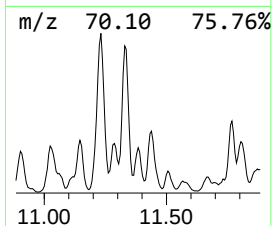
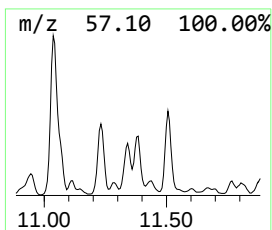
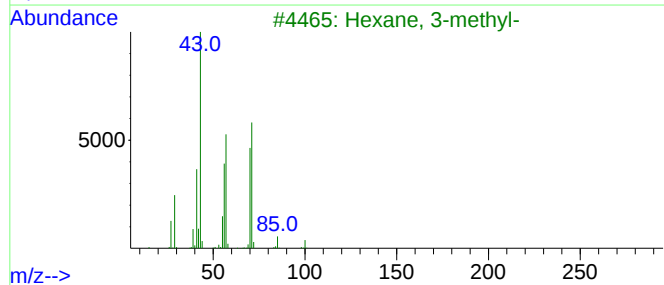
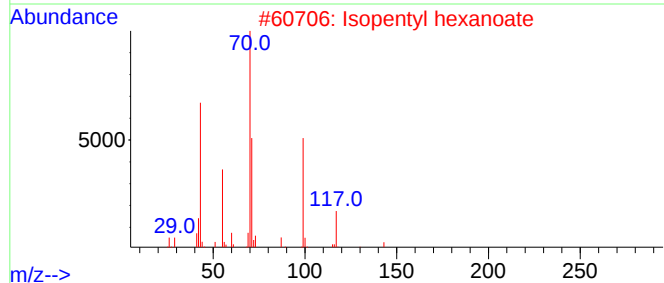
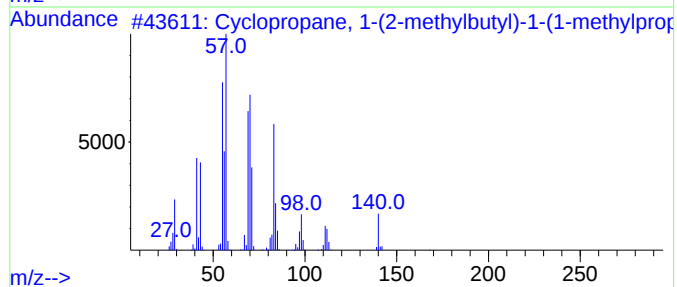
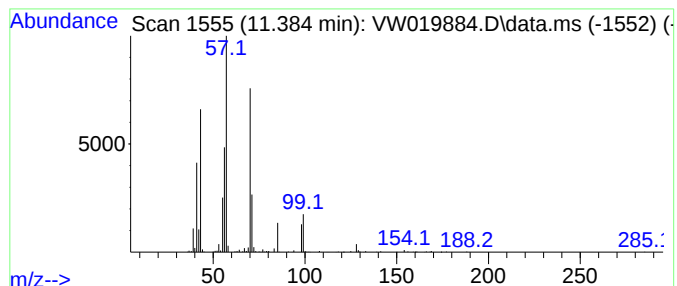
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.384 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.384	3.91 ug/L	280756	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1-(2-methylbutyl)-...	168	C12H24	064723-36-0	47
2			Isopentyl hexanoate	186	C11H22O2	002198-61-0	43
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	42
4			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	40
5			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

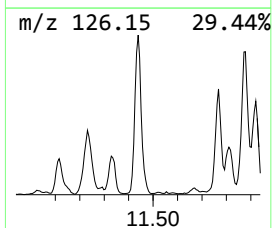
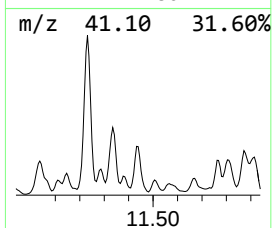
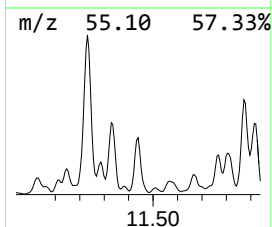
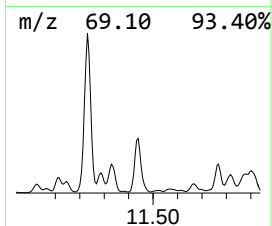
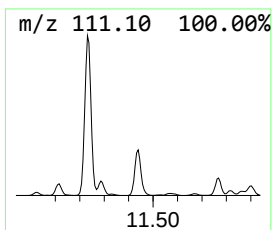
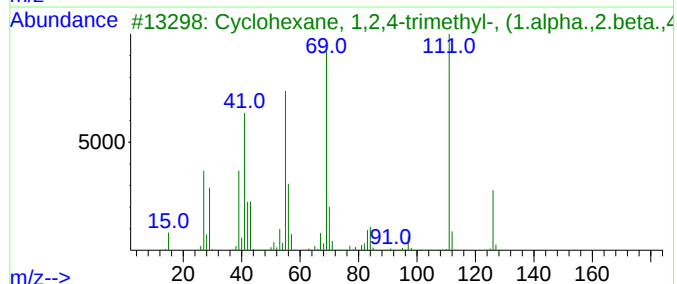
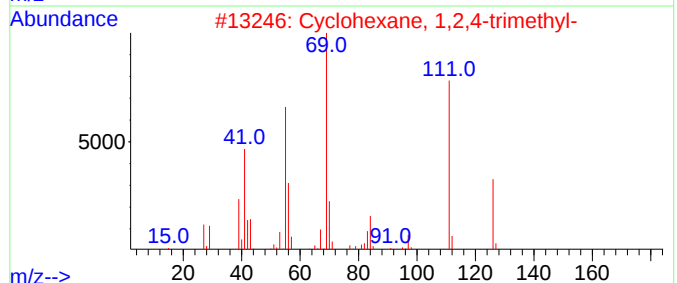
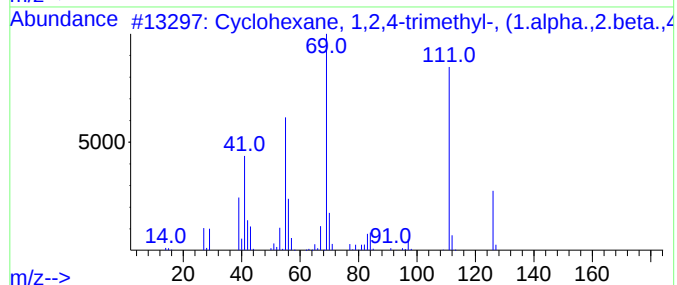
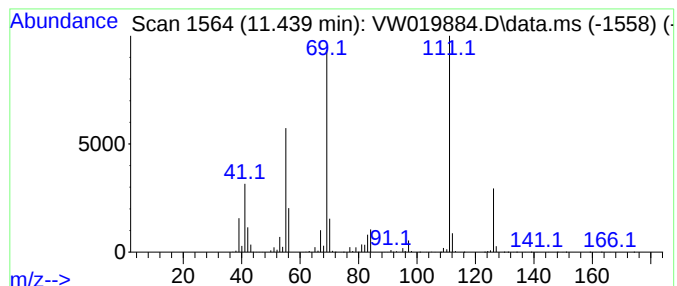
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic11.439 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	28.06 ug/L	2015410	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

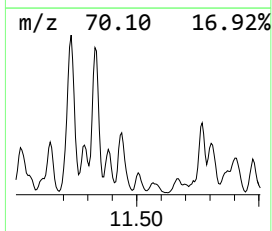
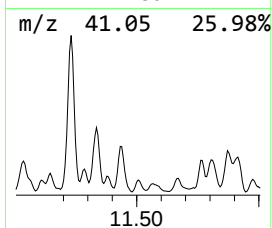
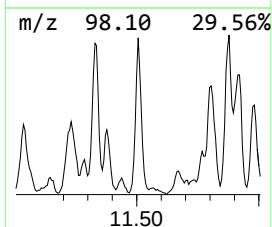
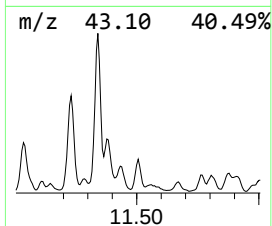
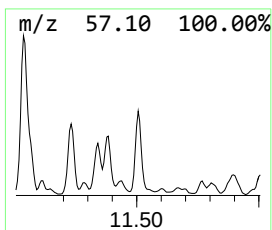
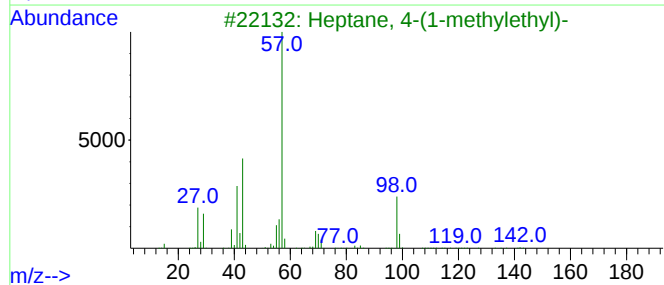
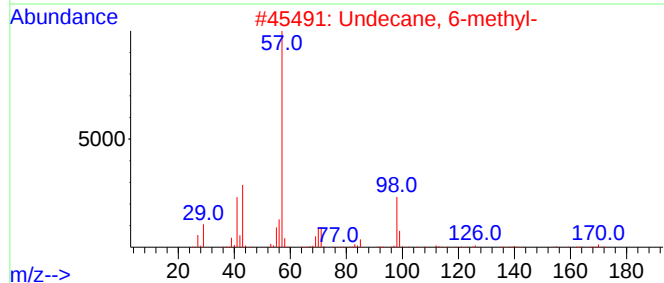
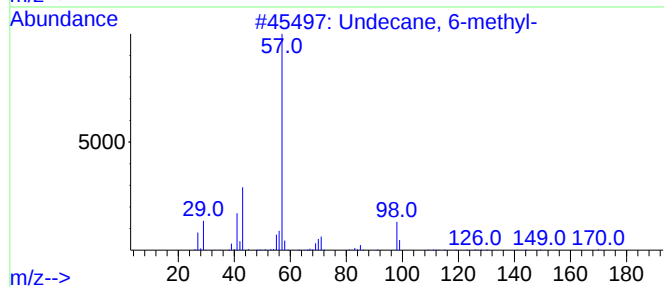
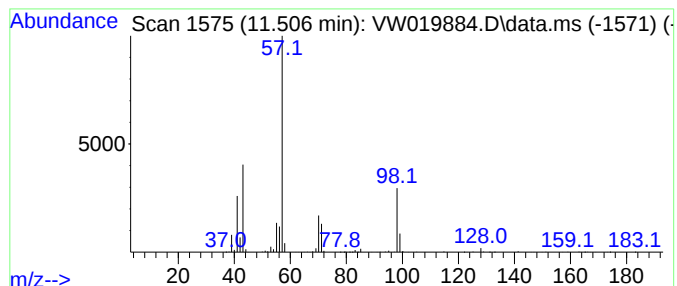
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.506	5.04 ug/L	361867	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 6-methyl-		170	C12H26	017302-33-9	72
2	Undecane, 6-methyl-		170	C12H26	017302-33-9	72
3	Heptane, 4-(1-methylethyl)-		142	C10H22	052896-87-4	72
4	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	64
5	Heptane, 3-ethyl-		128	C9H20	015869-80-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

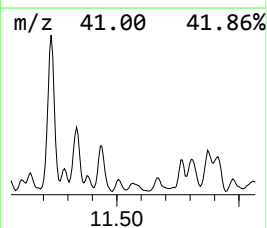
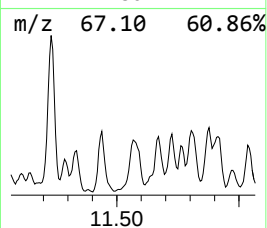
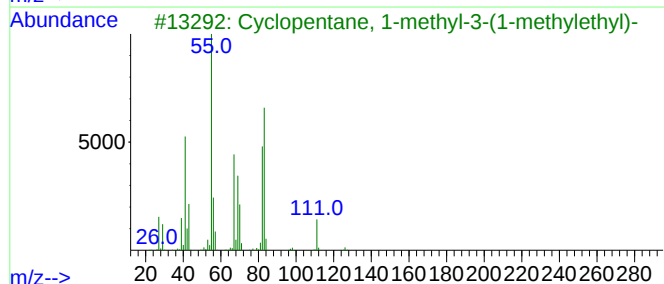
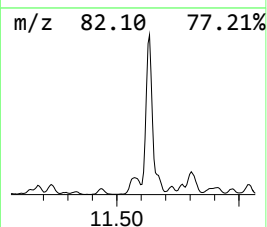
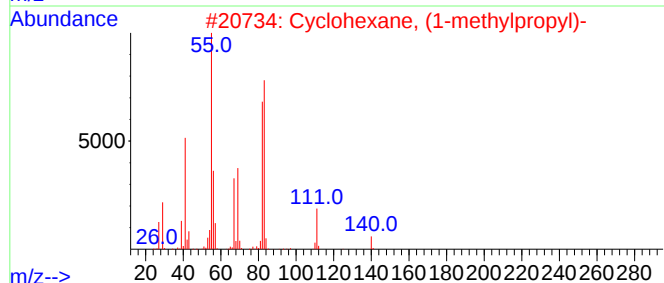
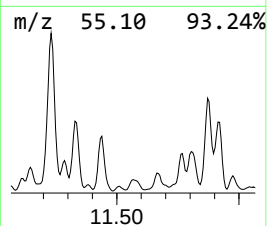
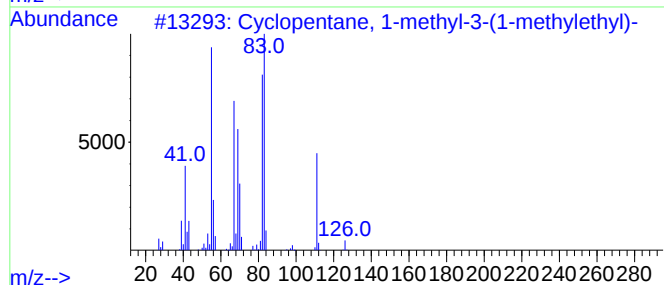
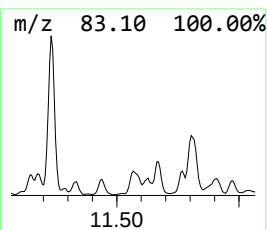
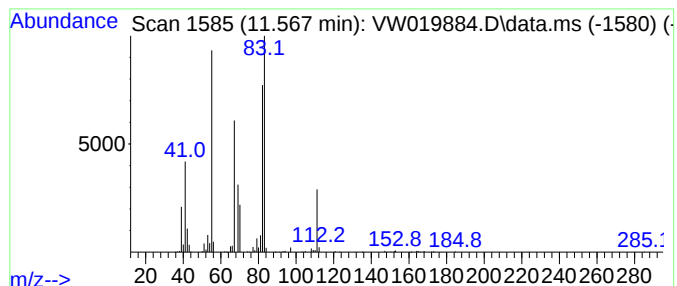
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic11.567 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.567	4.69 ug/L	336533	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
2			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	64
3			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
4			(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	45
5			(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	120603-00-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

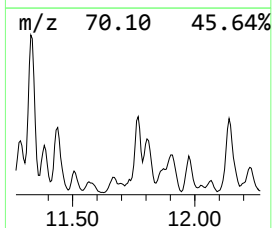
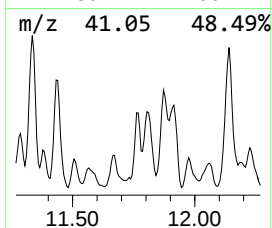
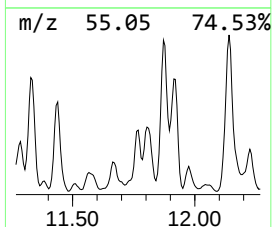
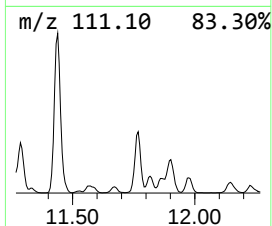
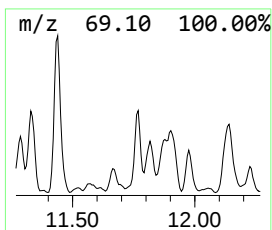
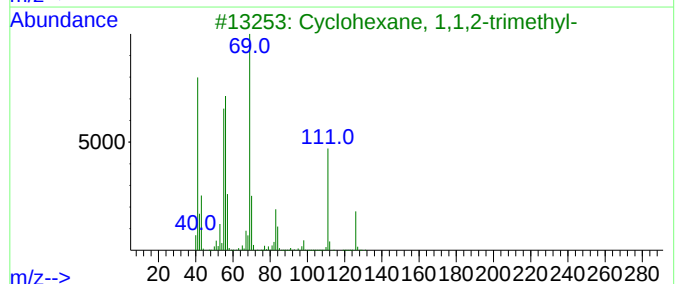
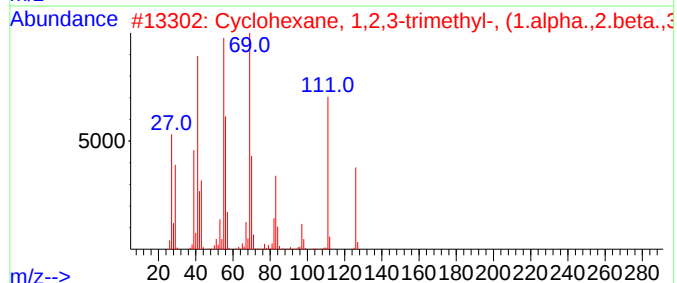
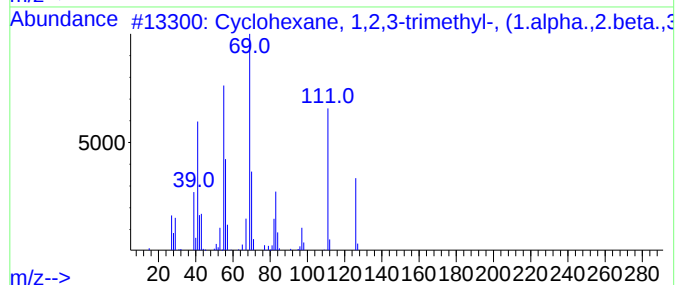
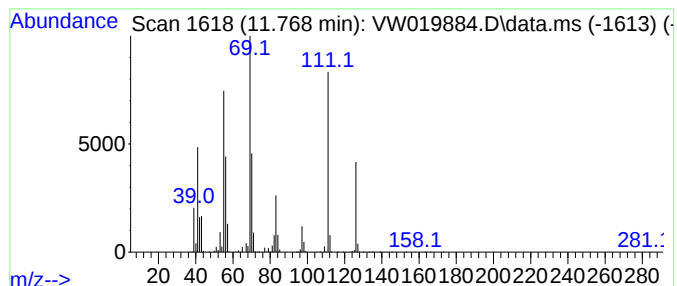
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic11.768 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	13.92 ug/L	999373	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, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	86
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

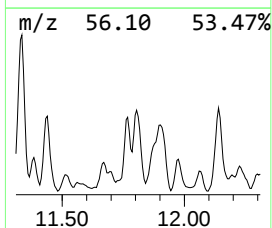
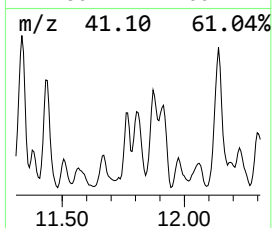
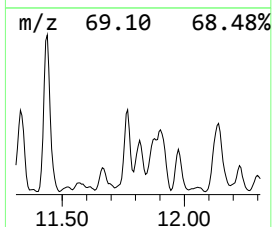
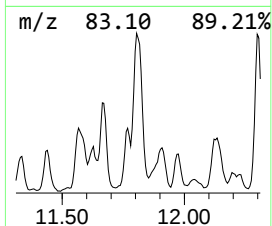
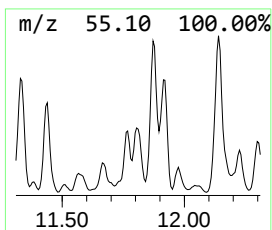
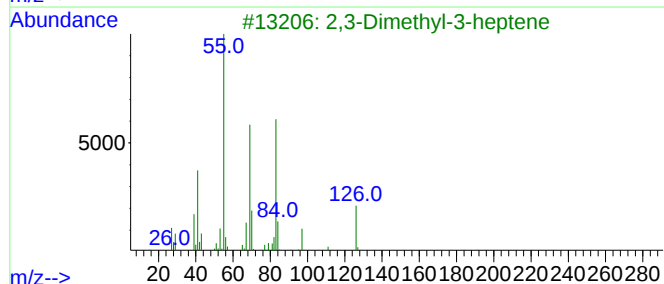
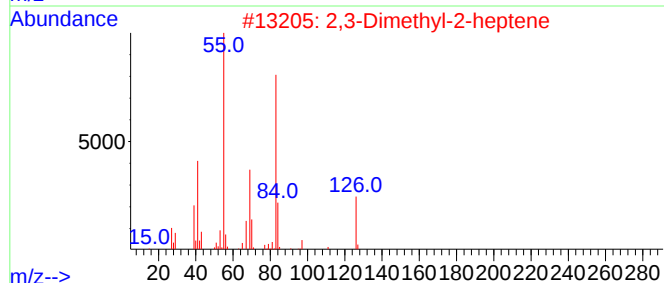
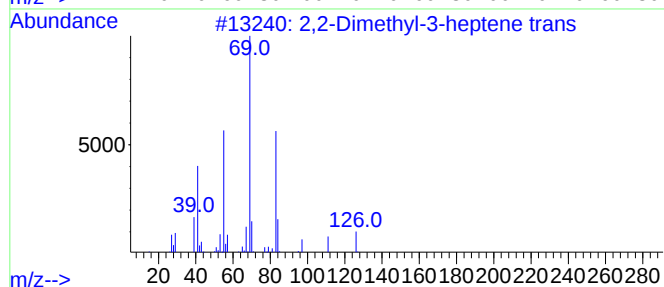
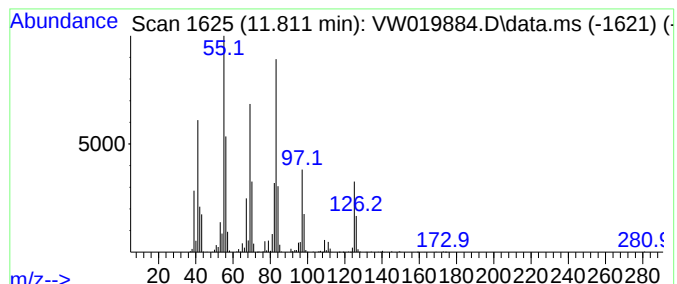
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.811	14.79 ug/L	1062420	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-3-heptene trans		126	C9H18		019550-75-5	49
2	2,3-Dimethyl-2-heptene		126	C9H18		003074-64-4	43
3	2,3-Dimethyl-3-heptene		126	C9H18		1000113-49-3	38
4	1-Butene, 2,3,3-trimethyl-		98	C7H14		000594-56-9	30
5	2-Pyrazoline, 1-methyl-4-propyl-		126	C7H14N2		033063-77-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

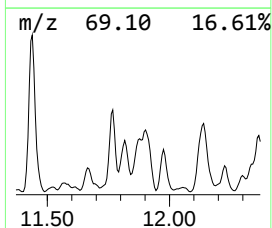
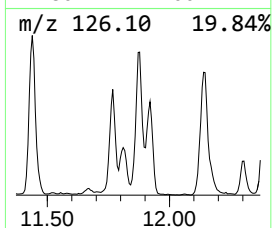
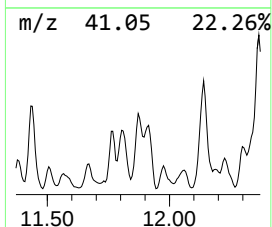
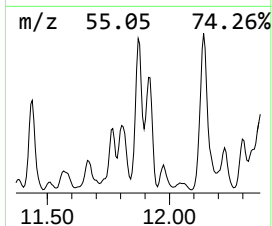
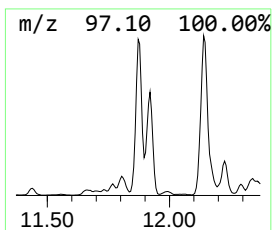
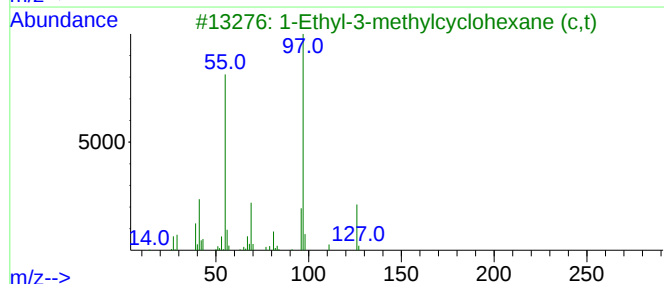
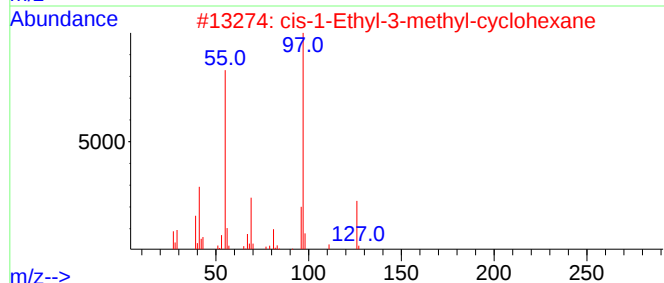
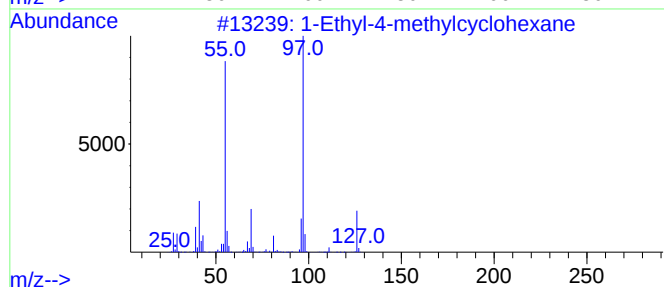
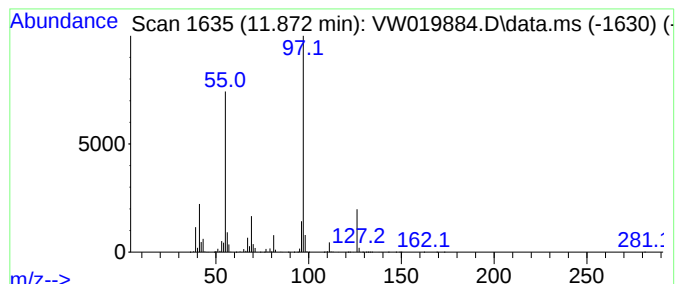
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic11.871 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	25.07 ug/L	1800220	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	94
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

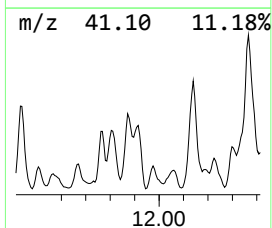
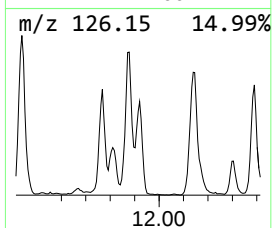
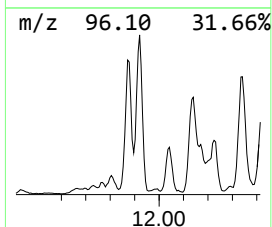
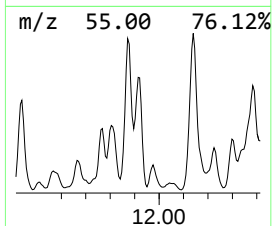
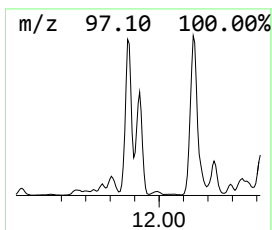
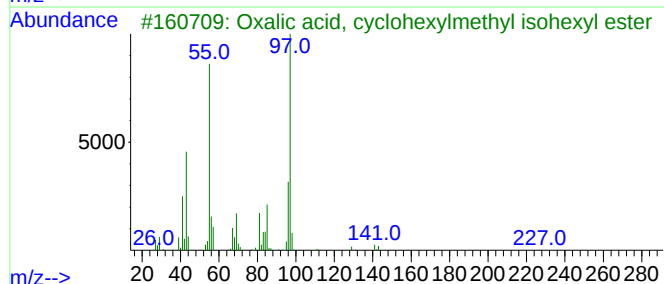
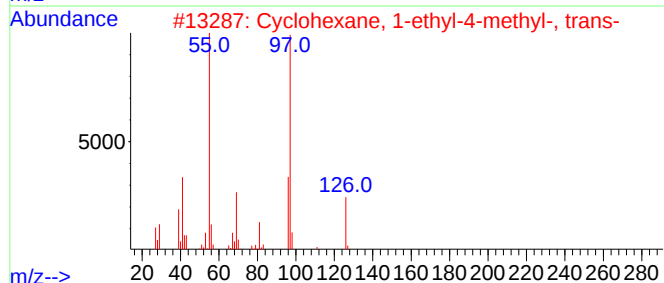
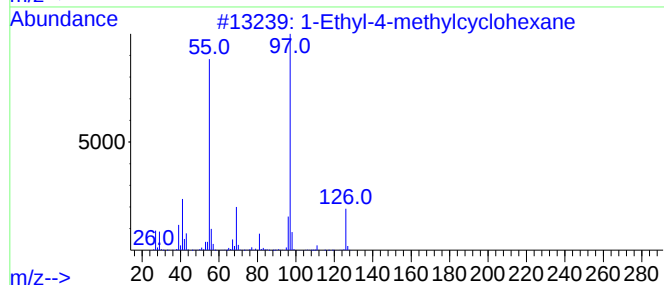
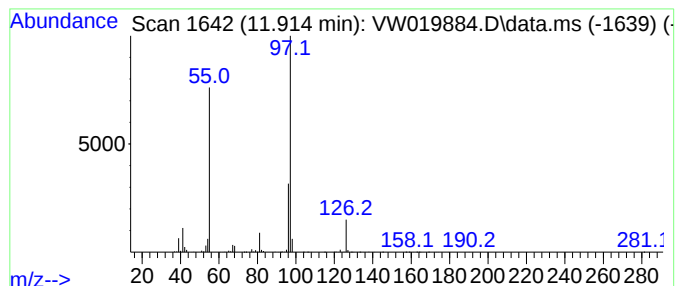
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic11.914 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	20.48 ug/L	1470410	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
3			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	56
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	56
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

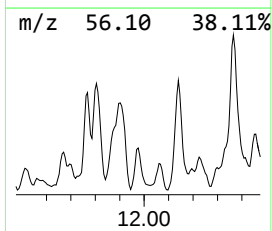
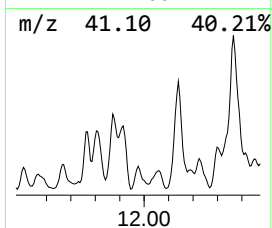
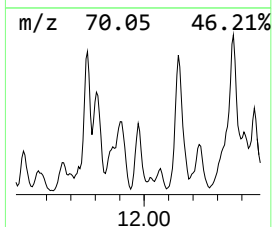
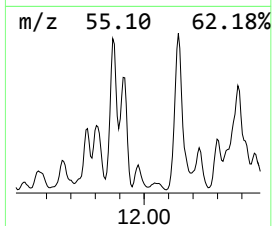
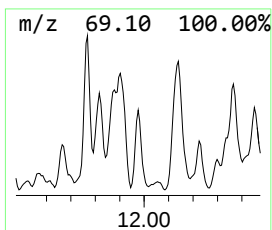
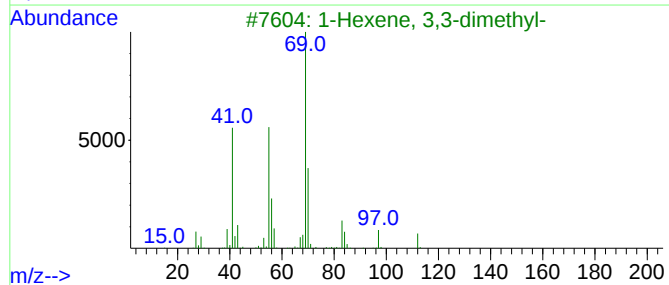
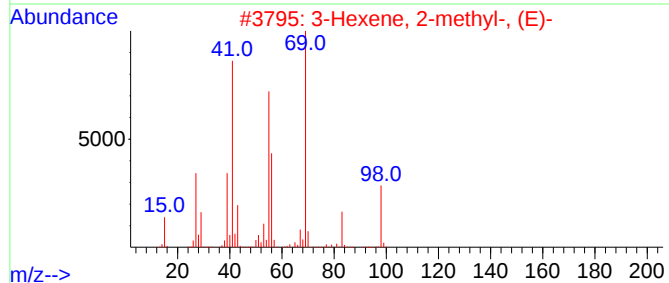
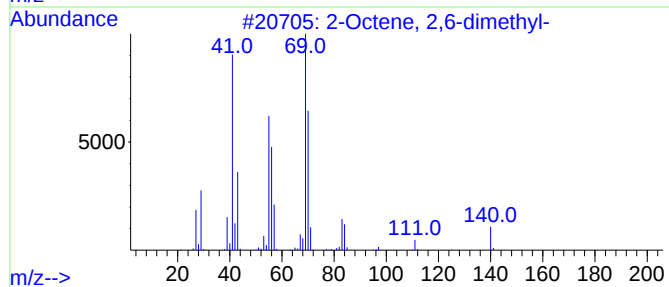
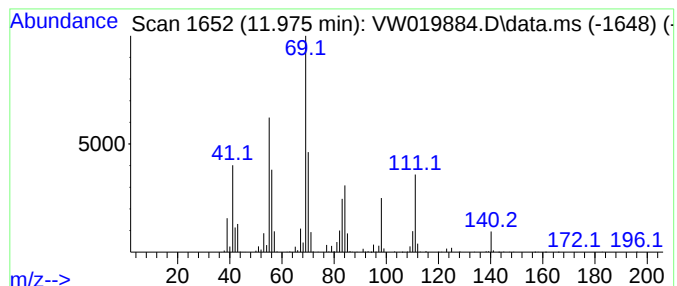
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 36 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.975	7.81 ug/L	561170	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
4	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	43
5	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

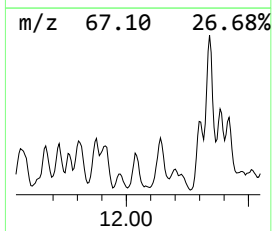
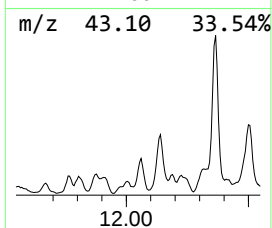
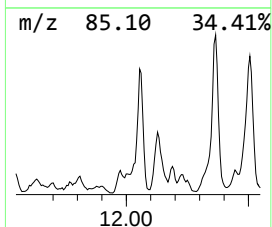
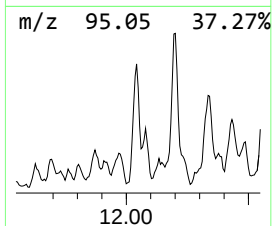
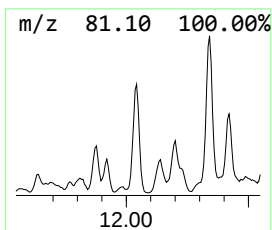
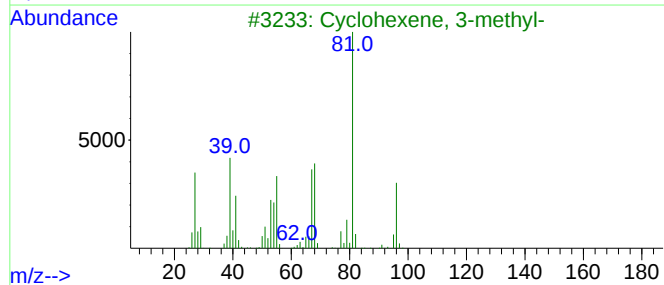
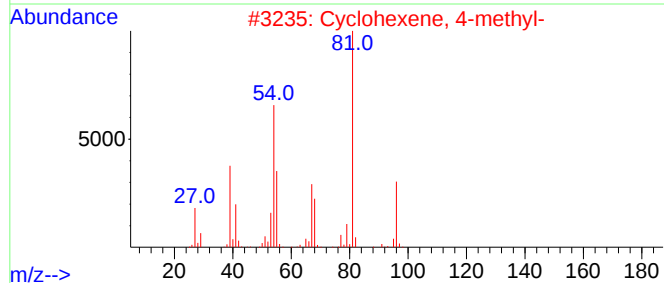
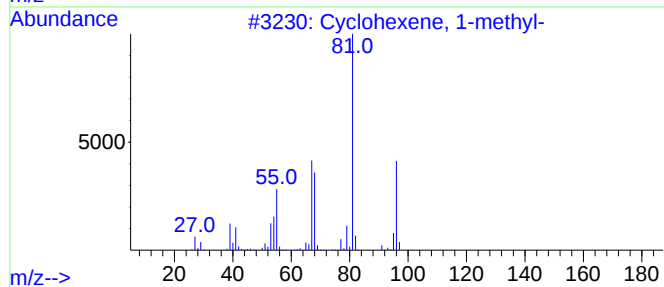
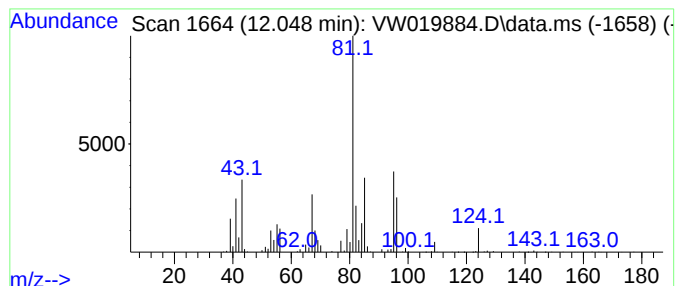
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	9.03 ug/L	648679	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
2		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	47
3		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47
4		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	43
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

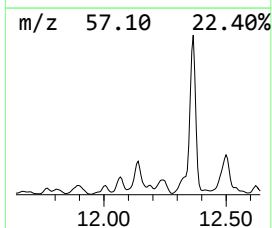
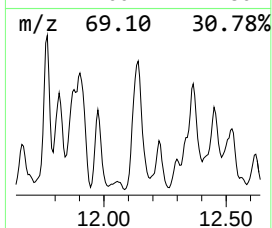
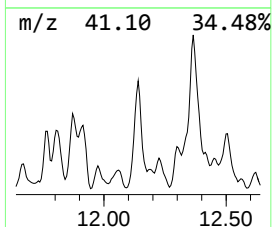
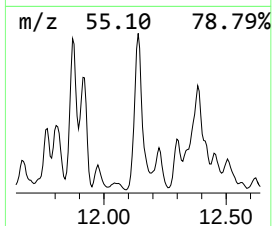
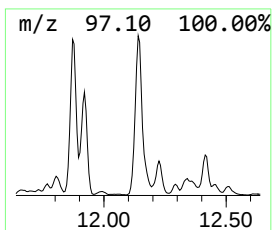
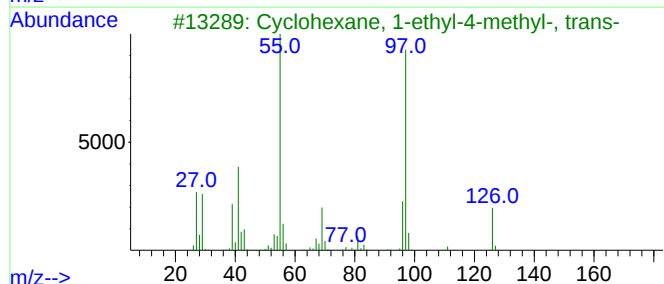
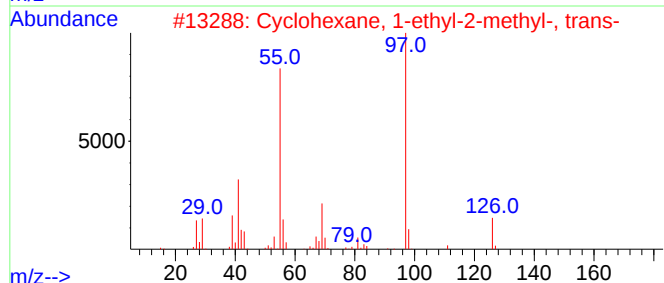
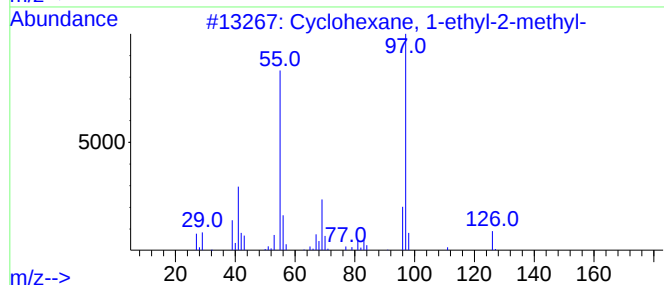
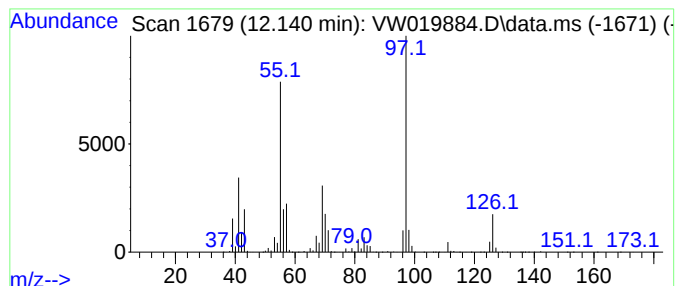
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic12.140 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	42.78 ug/L	3072270	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59
5		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

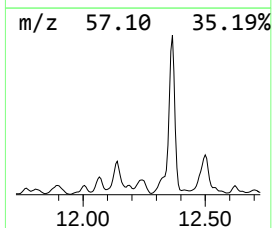
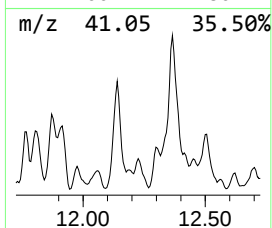
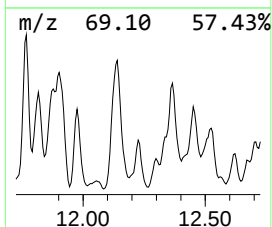
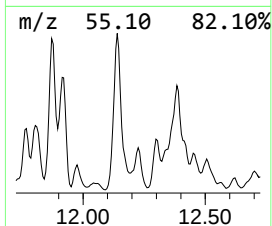
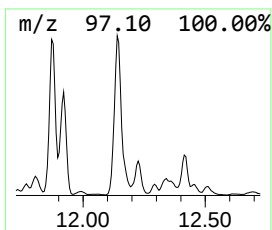
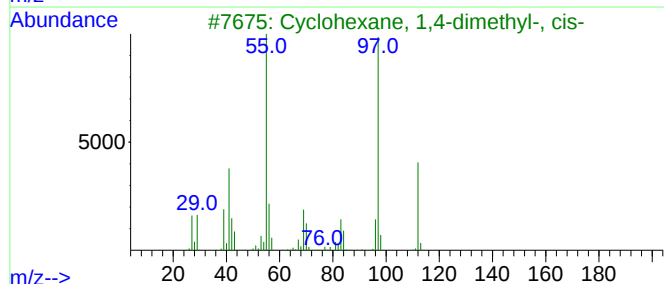
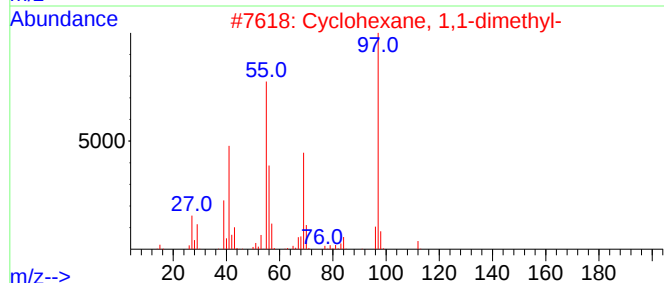
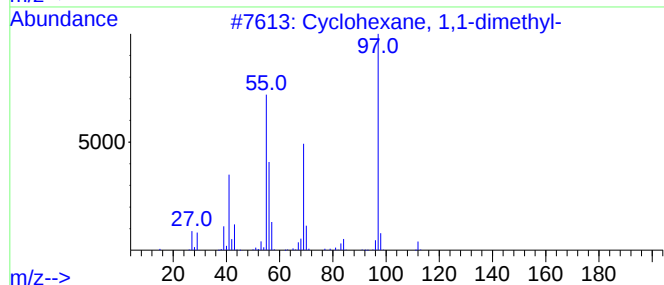
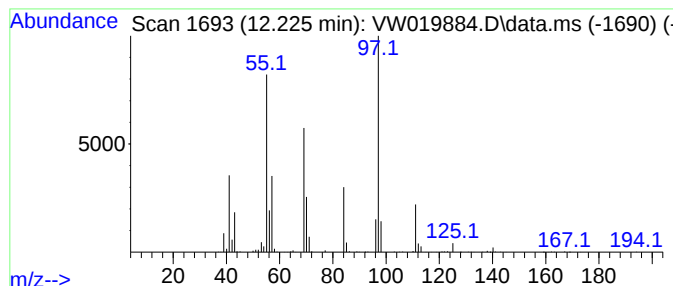
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 39 (DEL) Alkane: Cyclic12.225 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.225	10.40 ug/L	746892	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	42
4	2-Cyclohexen-1-ol, 1-methyl-	112	C7H12O	023758-27-2	38
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

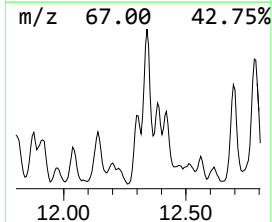
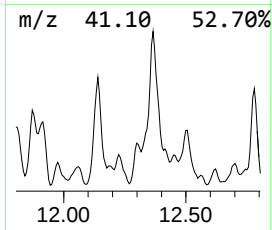
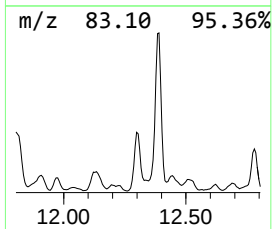
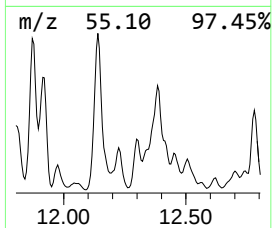
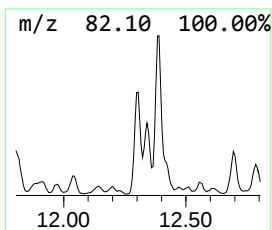
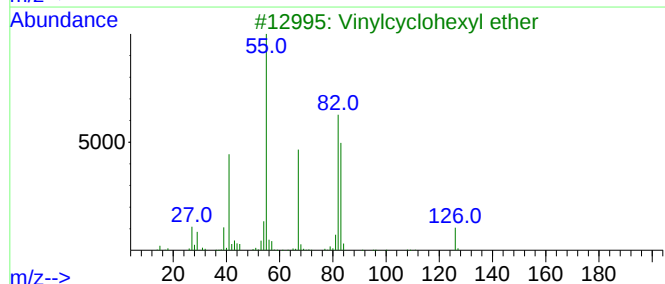
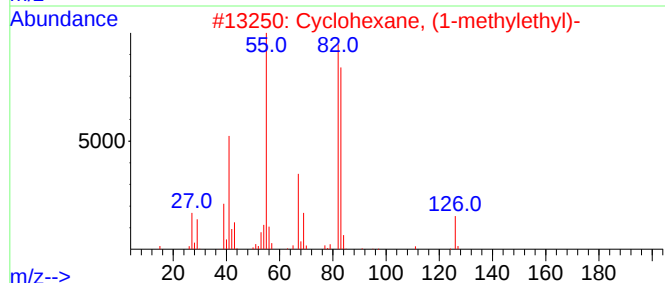
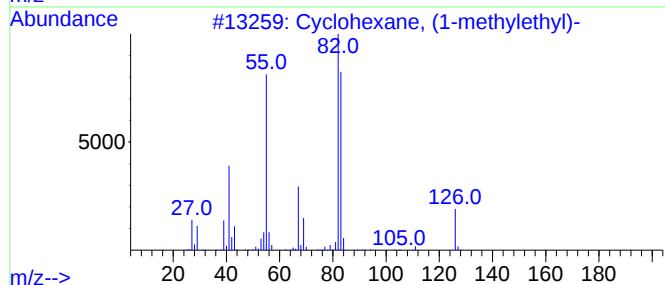
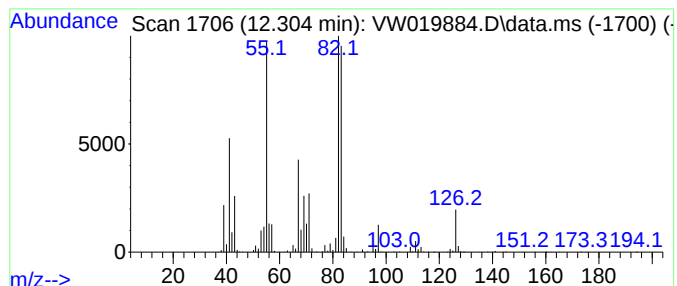
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic12.304 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.304	12.31 ug/L	884350	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
3	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	52
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	49
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

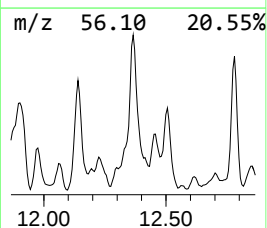
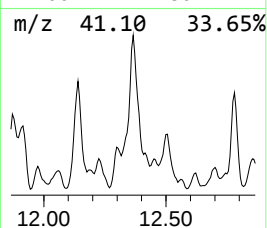
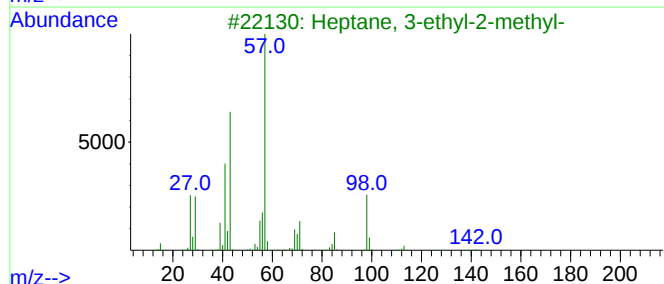
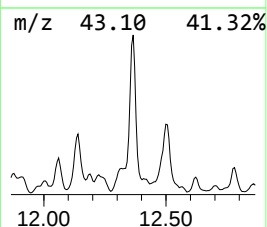
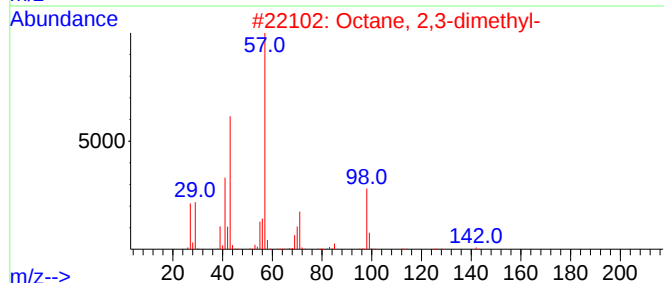
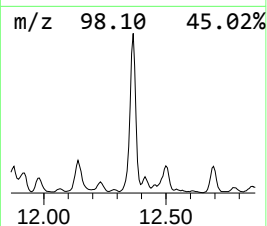
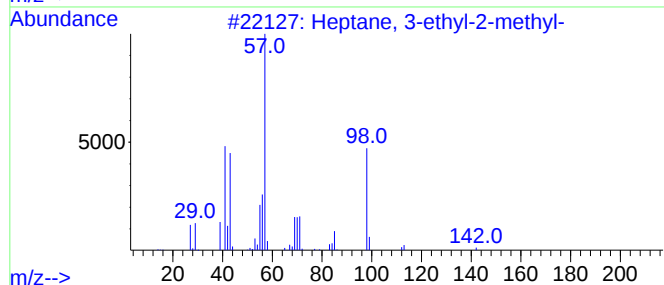
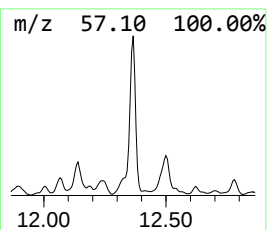
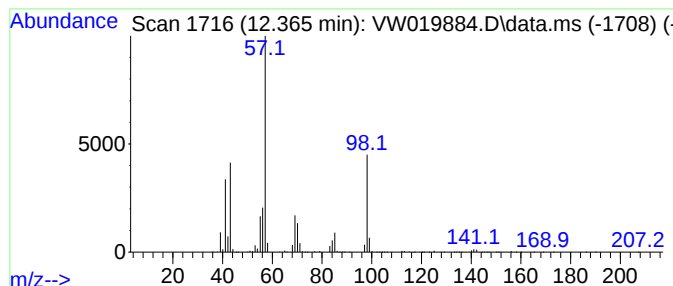
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	40.48 ug/L	2906790	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
4			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	53
5			Heptane, 4-propyl-	142	C10H22	003178-29-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

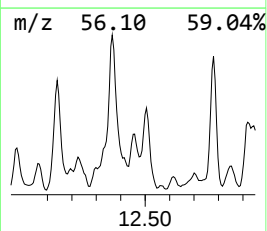
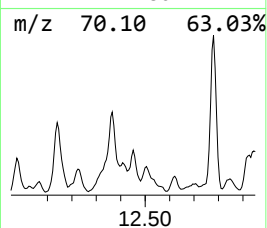
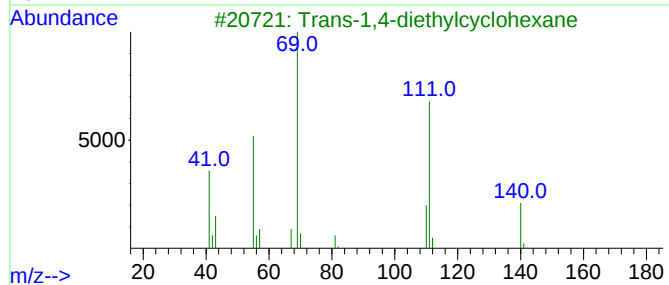
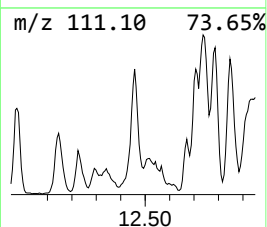
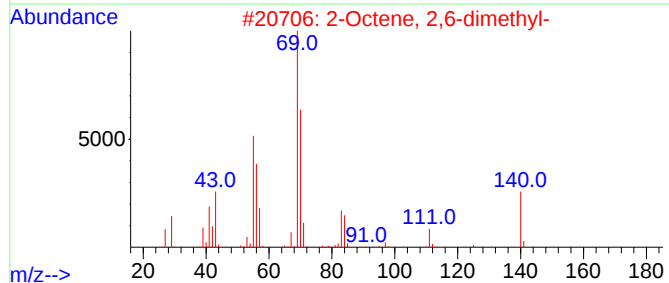
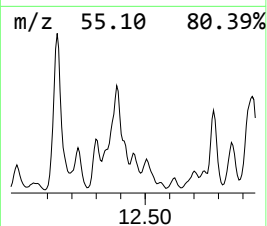
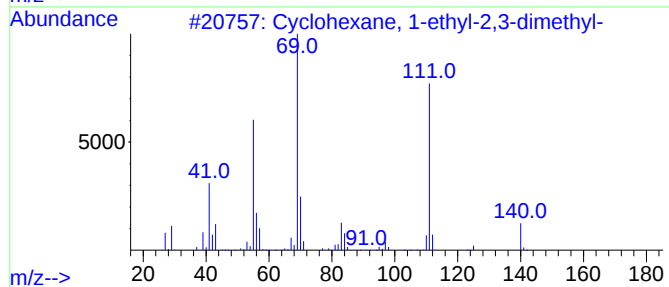
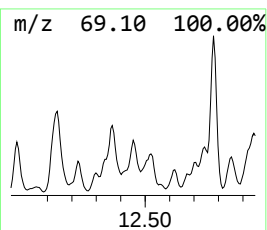
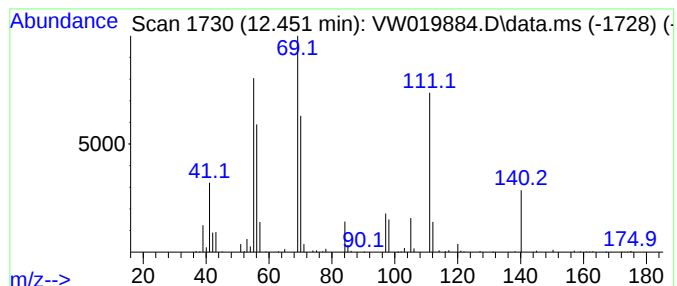
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Cyclic12.451 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	9.49 ug/L	681616	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	59
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
3			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50
4			Nonane, 2,8-dimethyl-4-methylene-	168	C12H24	007323-15-1	47
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

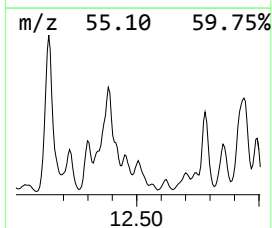
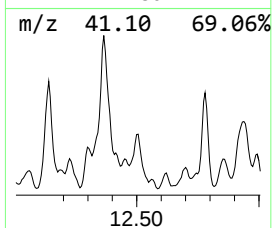
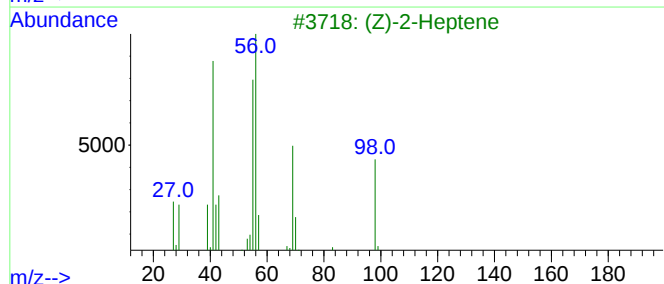
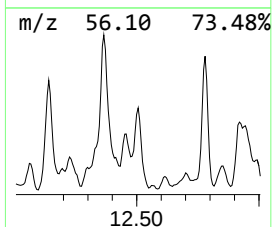
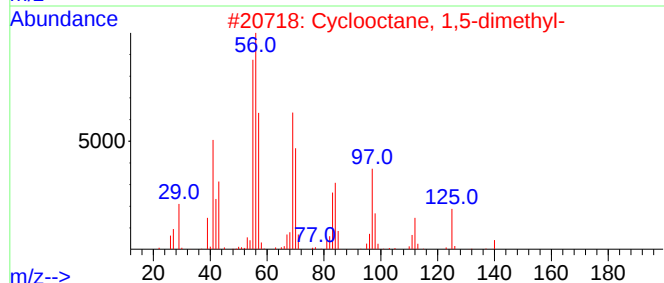
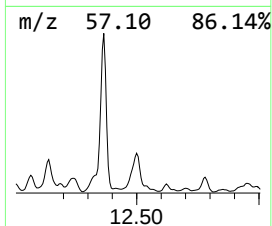
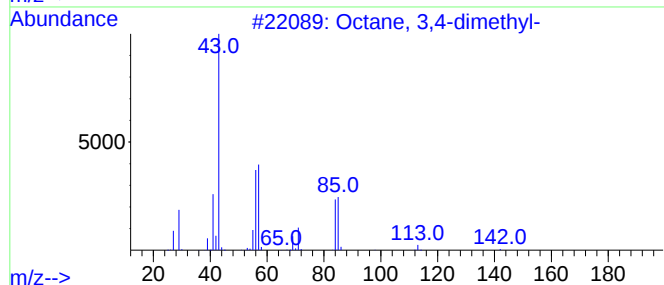
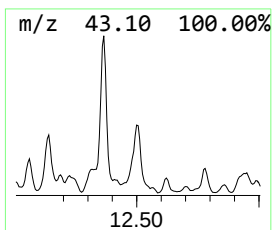
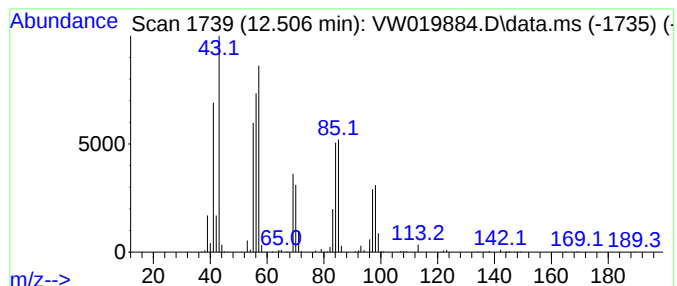
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 43 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.506	15.56 ug/L	1117090	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,4-dimethyl-		142	C10H22	015869-92-8	52
2	Cyclooctane, 1,5-dimethyl-		140	C10H20	021328-57-4	47
3	(Z)-2-Heptene		98	C7H14	006443-92-1	38
4	(Z)-2-Heptene		98	C7H14	006443-92-1	38
5	2-Heptene		98	C7H14	000592-77-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

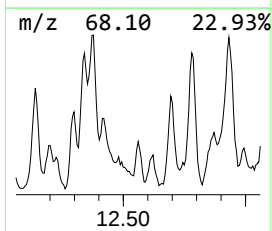
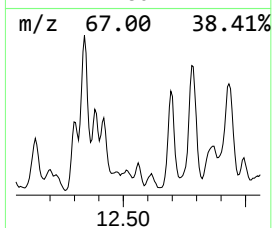
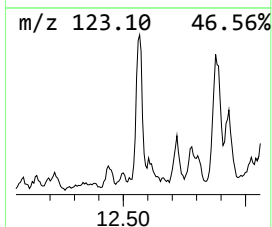
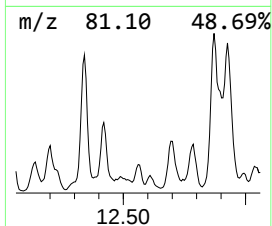
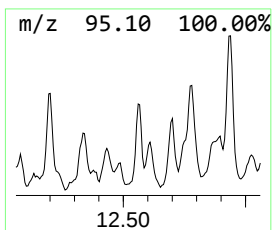
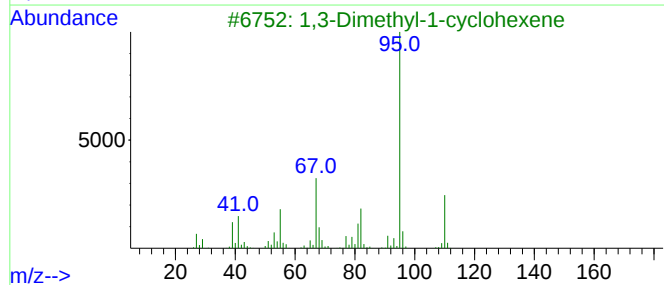
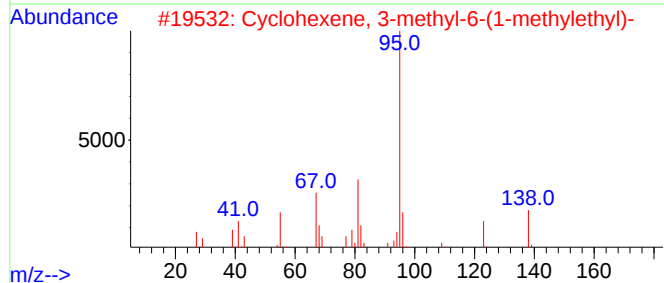
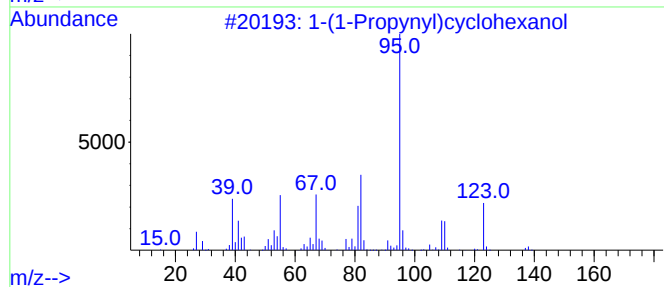
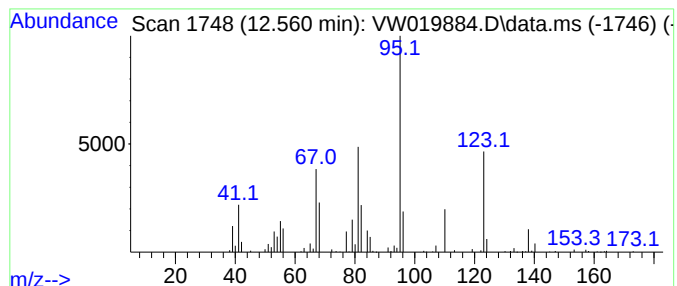
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Quant Title : SFAM01.0

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

Peak Number 44 1-(1-Propynyl)cyclohexanol Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.560	2.72 ug/L	195659	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	64
2			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	52
3			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	50
4			Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	50
5			Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

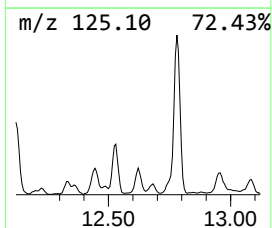
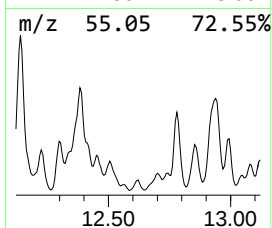
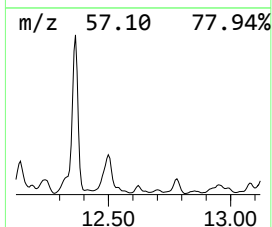
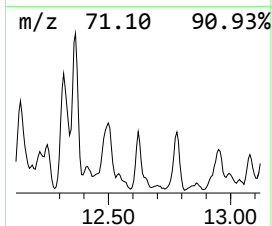
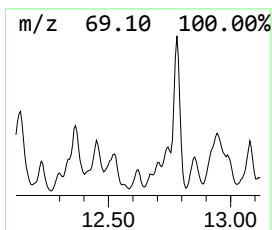
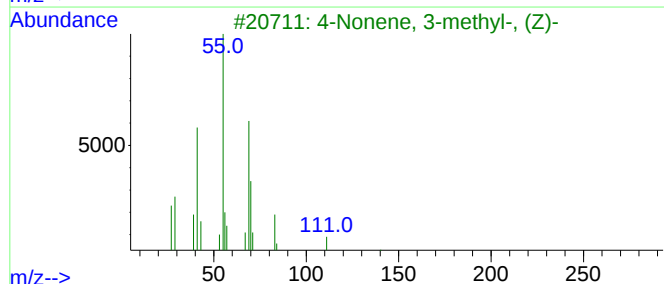
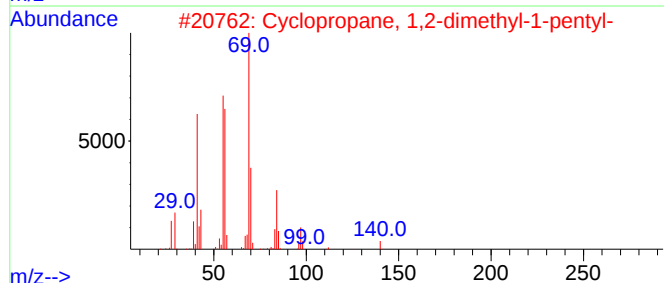
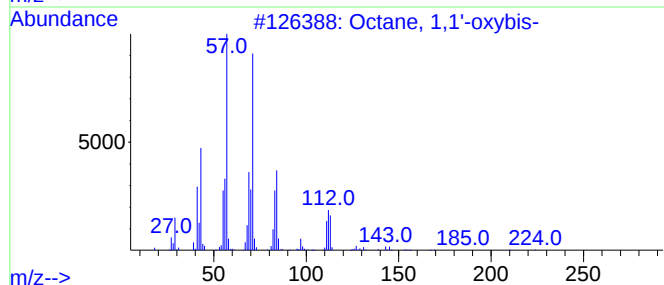
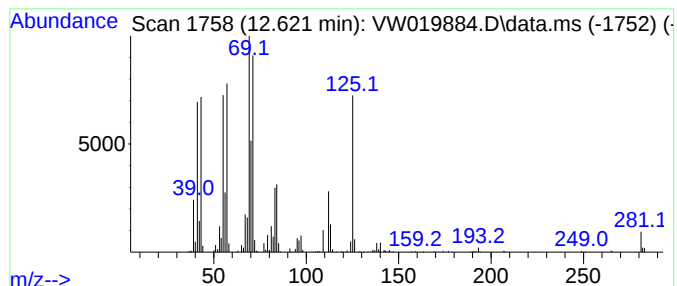
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Quant Title : SFAM01.0

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

Peak Number 45 unknown-03 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	4.61 ug/L	348557	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	38
2			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	38
3			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	38
4			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	30
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

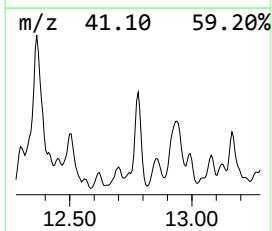
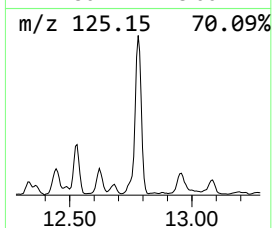
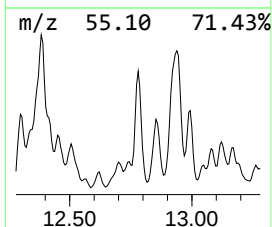
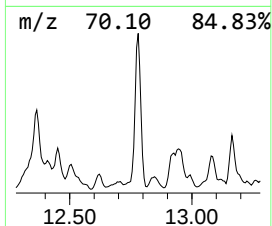
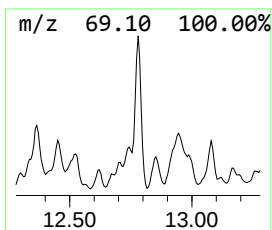
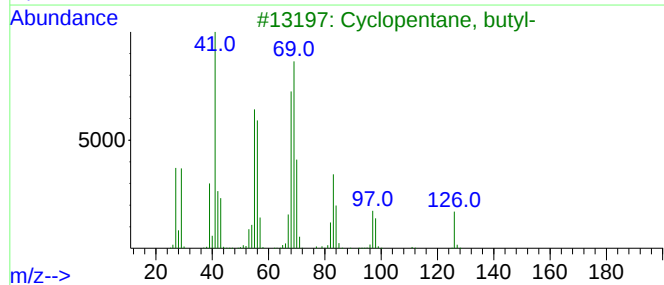
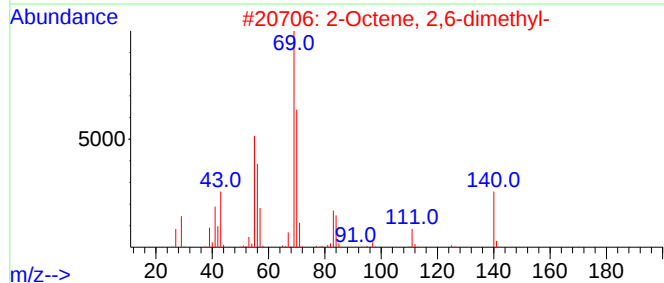
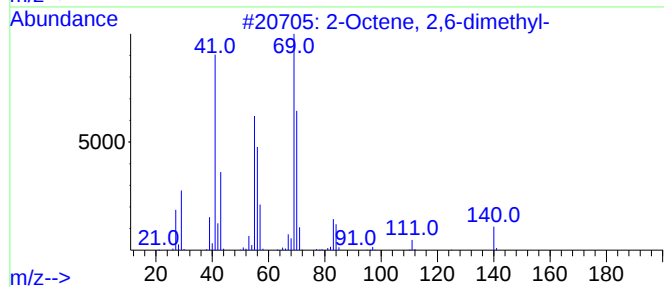
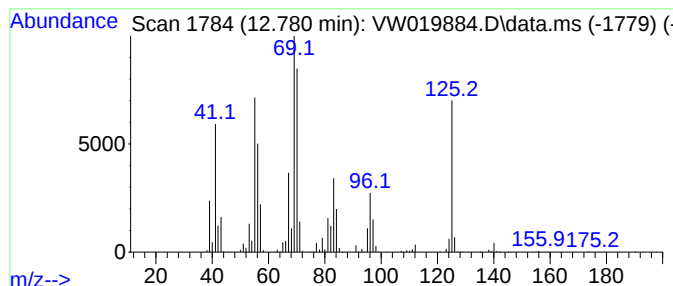
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	28.06 ug/L	2119470	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	55
4		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

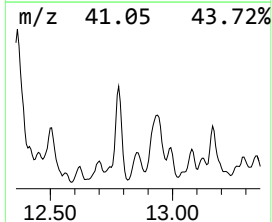
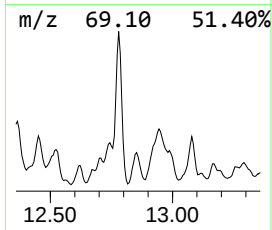
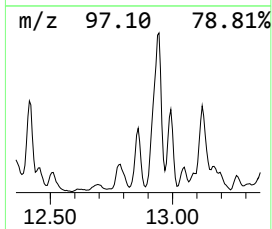
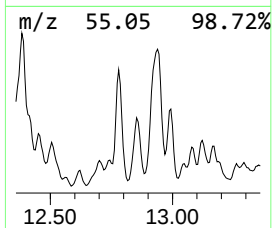
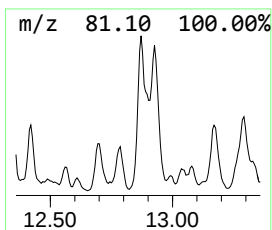
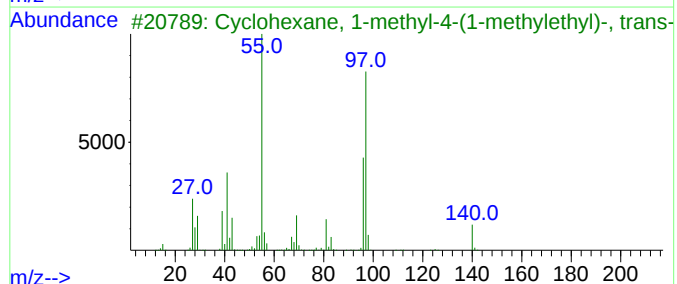
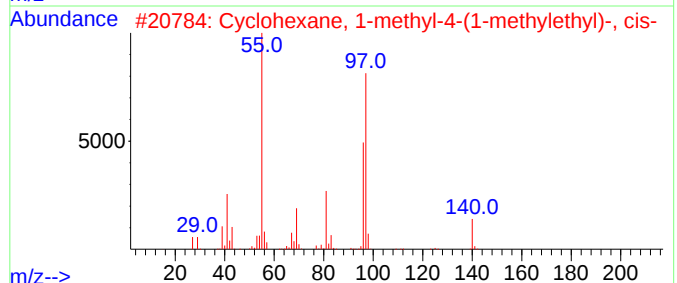
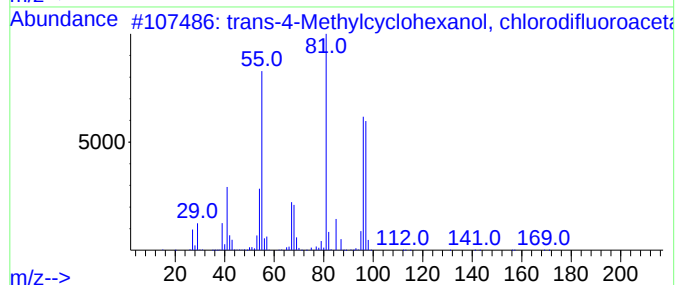
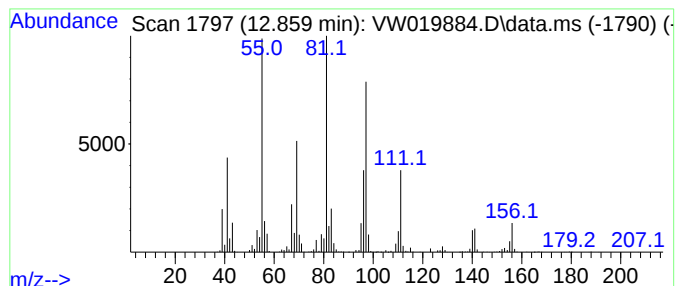
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Quant Title : SFAM01.0

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

Peak Number 47 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	13.41 ug/L	1013200	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-4-Methylcyclohexanol, chlo...	226	C9H13ClF2O2	1000376-26-1	47
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

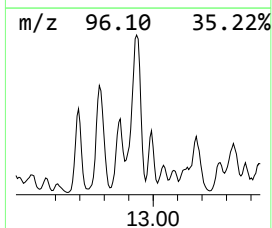
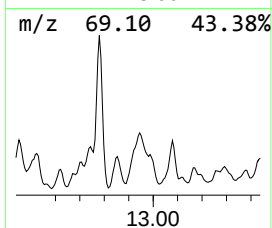
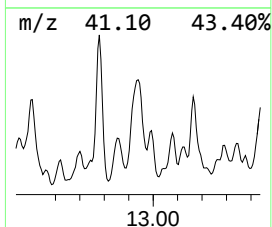
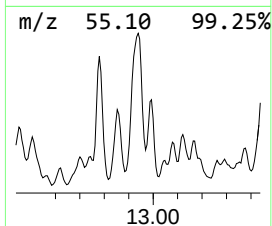
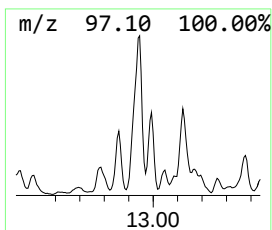
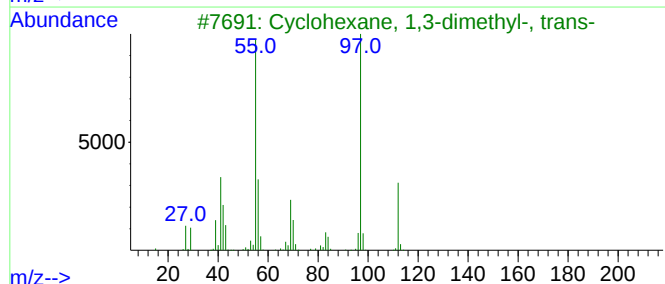
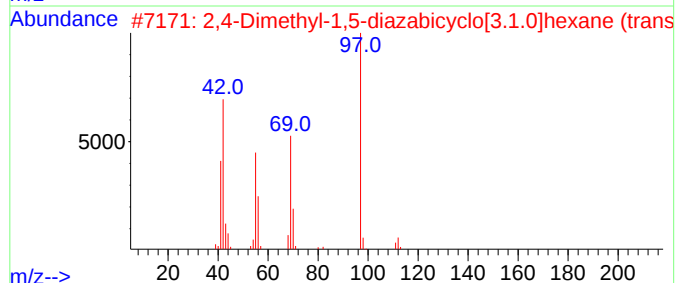
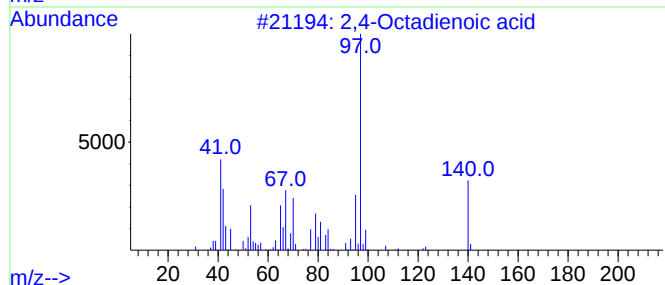
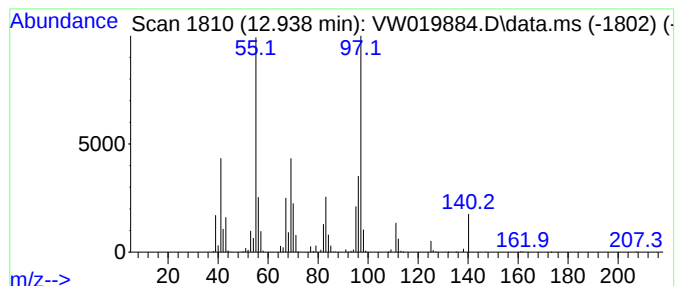
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Quant Title : SFAM01.0

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

Peak Number 48 2,4-Octadienoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	38.40 ug/L	2900190	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Octadienoic acid	140	C8H12O2	083615-26-3	50
2			2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (trans)	112	C6H12N2	1000283-20-9	49
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

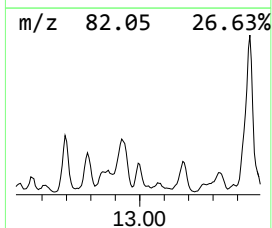
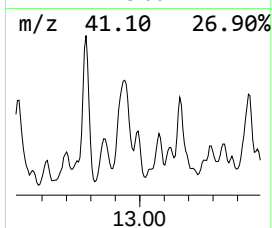
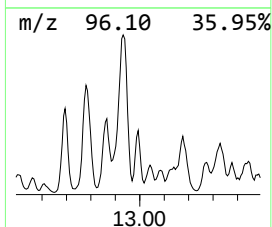
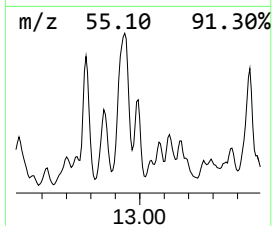
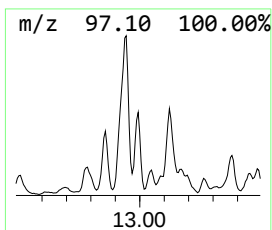
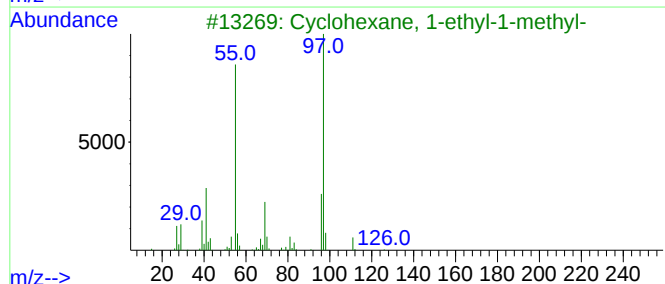
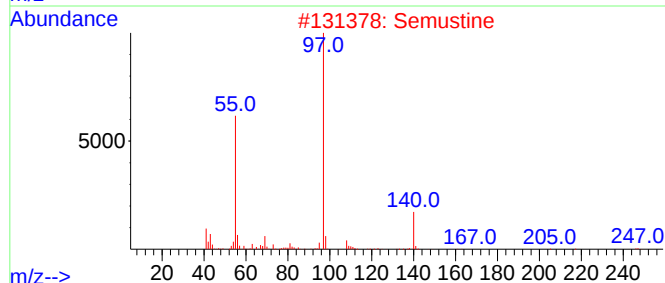
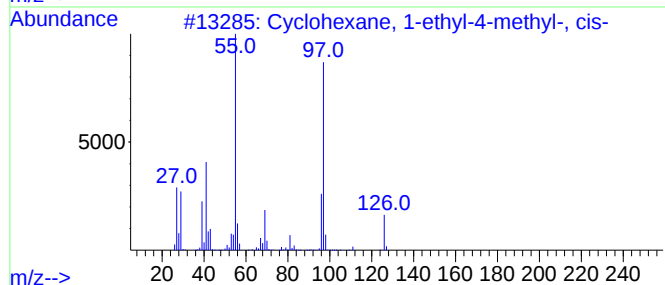
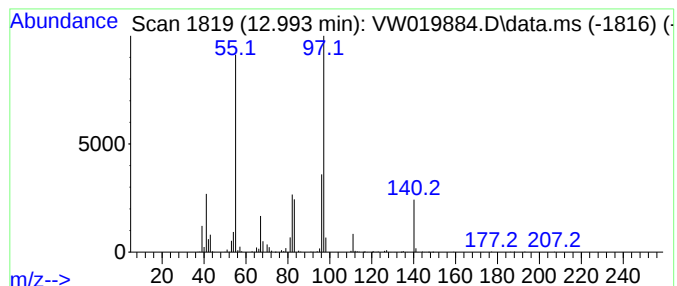
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Cyclic12.993 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	7.61 ug/L	574602	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
2			Semustine	247	C10H18ClN3O2	013909-09-6	50
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
4			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

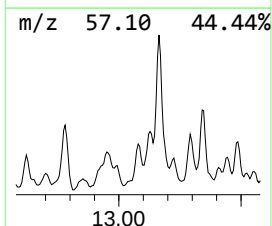
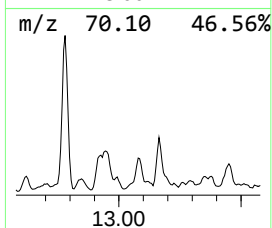
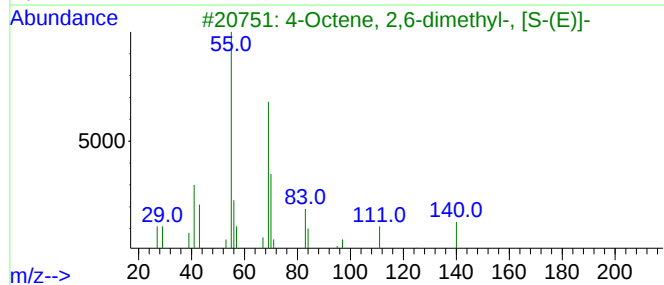
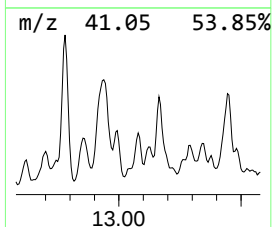
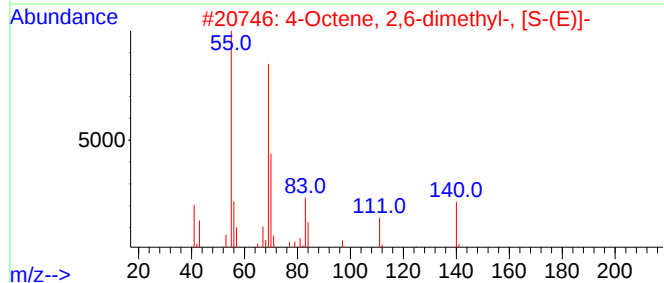
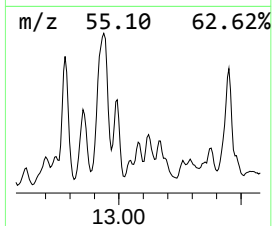
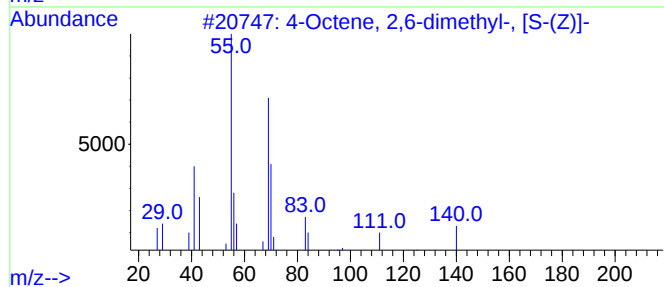
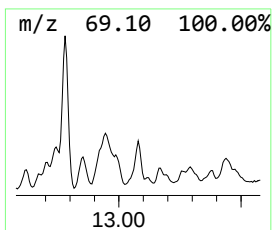
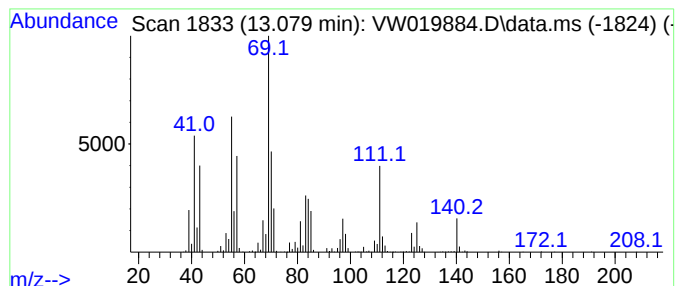
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	9.96 ug/L	752500	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53
2			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
3			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
4			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
5			3-Octene, 4-ethyl-	140	C10H20	053966-51-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

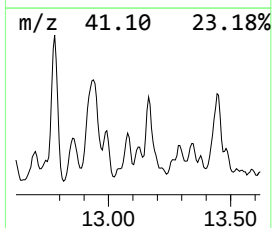
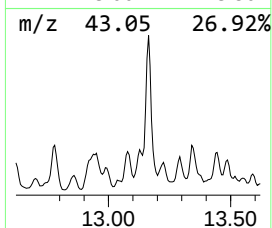
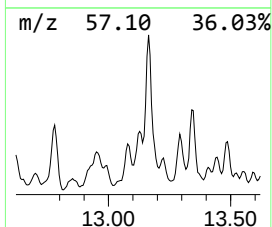
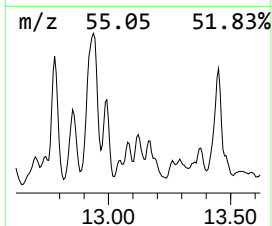
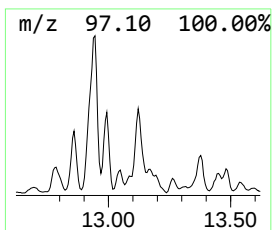
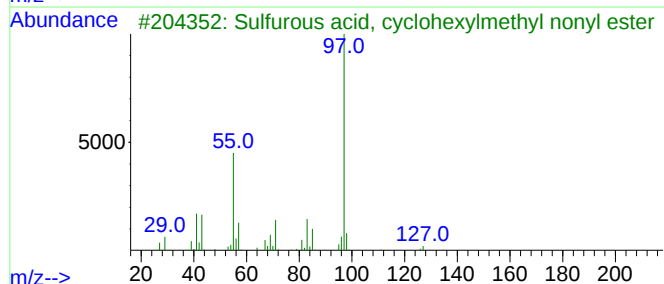
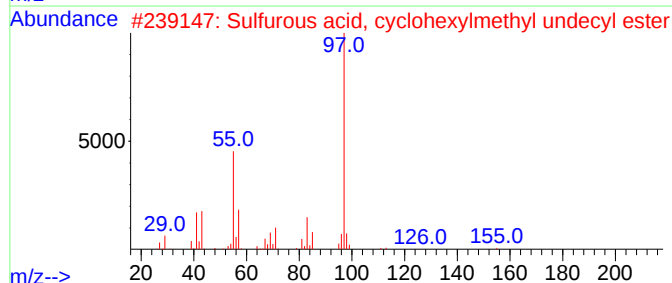
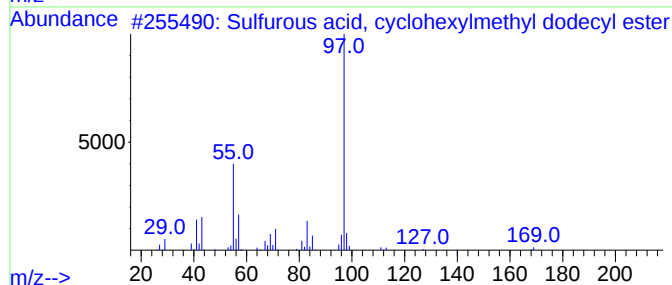
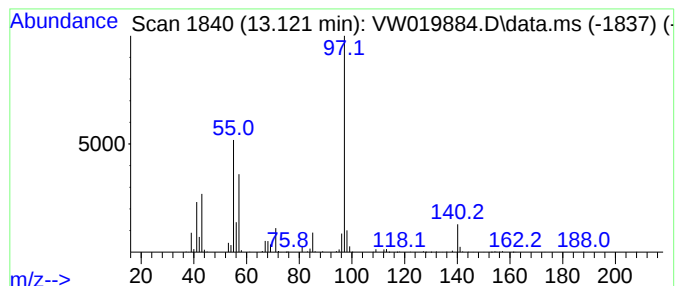
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Quant Title : SFAM01.0

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

Peak Number 51 Sulfurous acid, cyclohexylm... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	5.35 ug/L	404311	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	78
2			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	72
3			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
4			Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	72
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

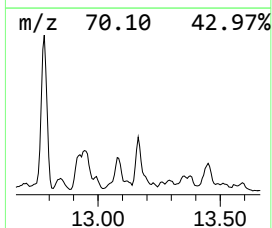
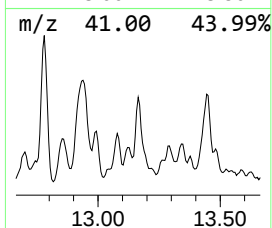
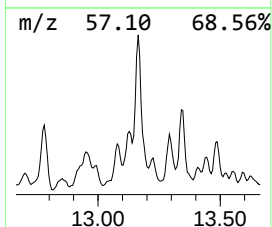
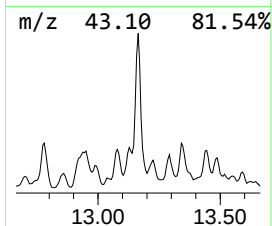
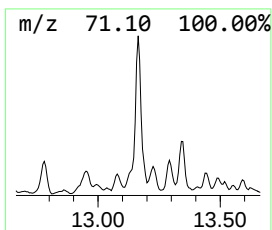
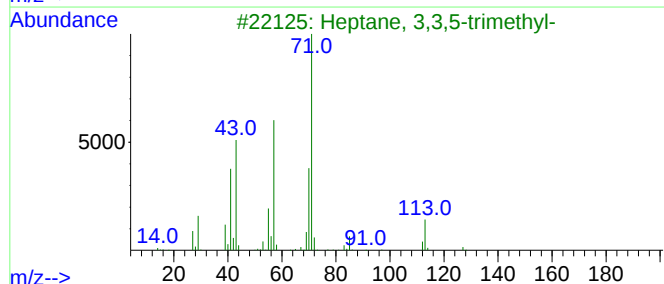
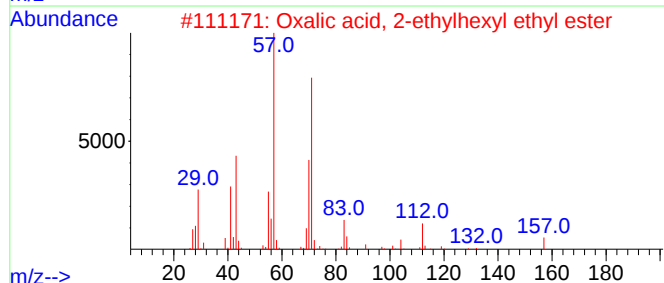
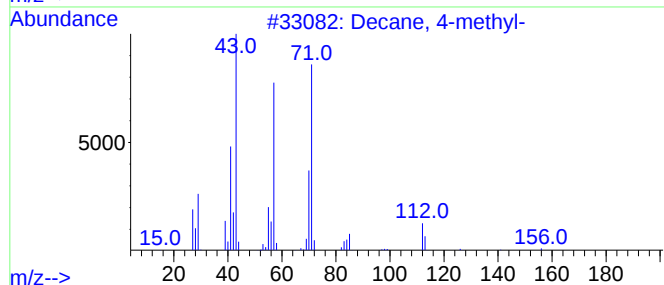
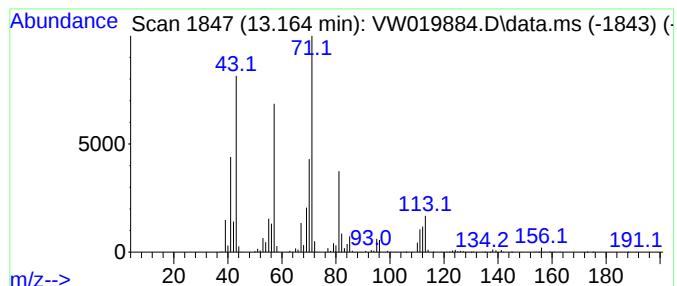
Instrument :
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ClientSampleId :
EW7D1

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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 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.164	16.51 ug/L	1246970	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	64
2	Oxalic acid, 2-ethylhexyl ethyl ...		230	C12H22O4	1000309-38-4	64
3	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	64
4	Undecane, 4-methyl-		170	C12H26	002980-69-0	53
5	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

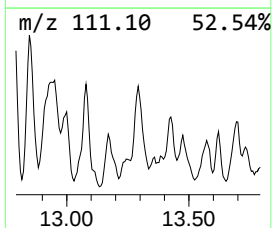
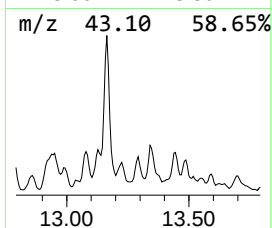
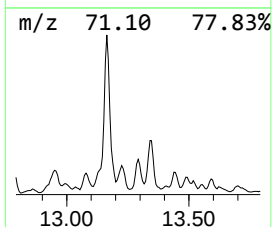
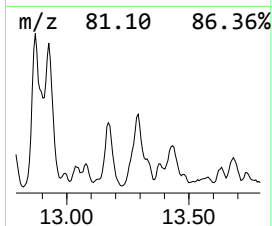
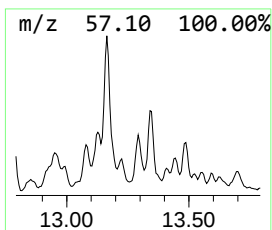
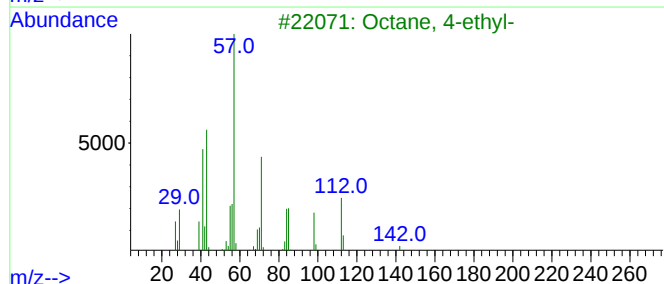
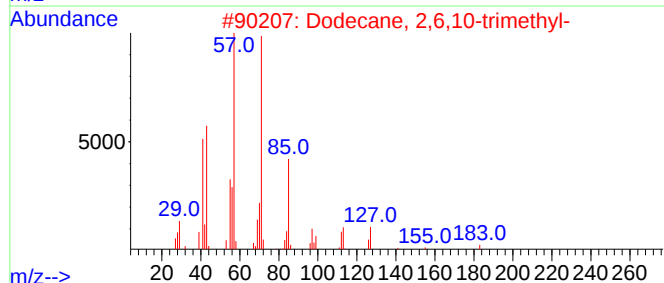
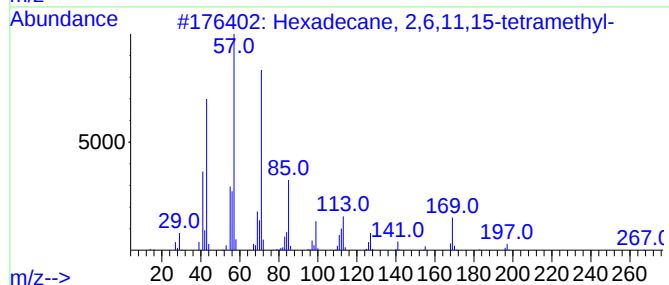
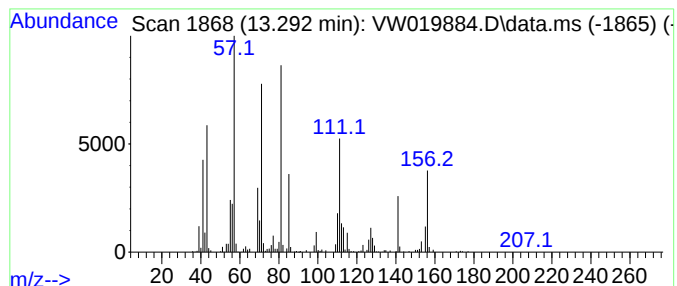
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Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	2.83 ug/L	214079	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	35
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	30
3			Octane, 4-ethyl-	142	C10H22	015869-86-0	22
4			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	22
5			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

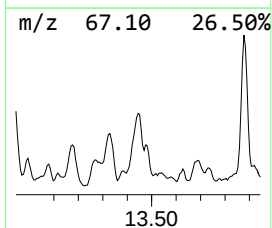
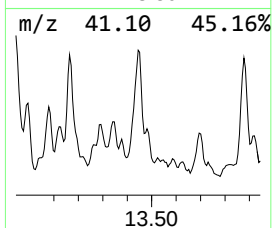
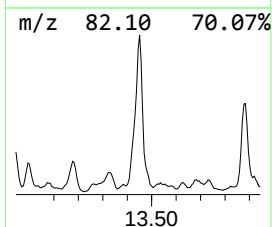
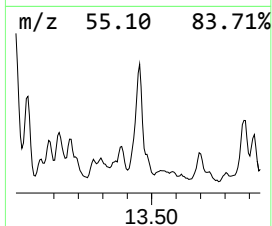
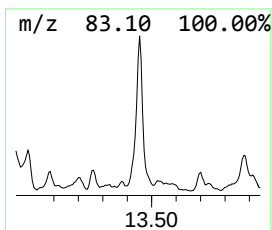
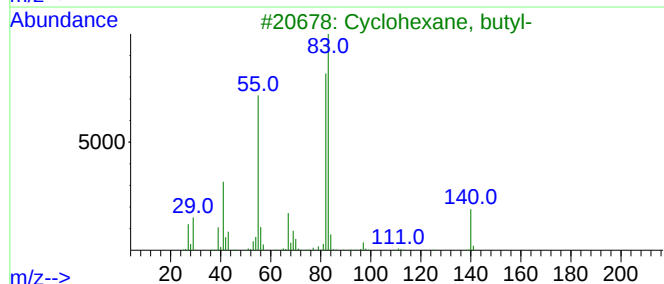
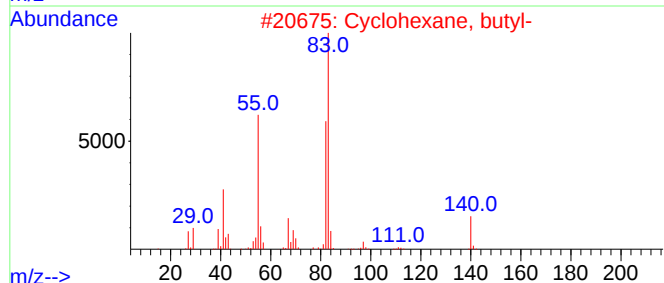
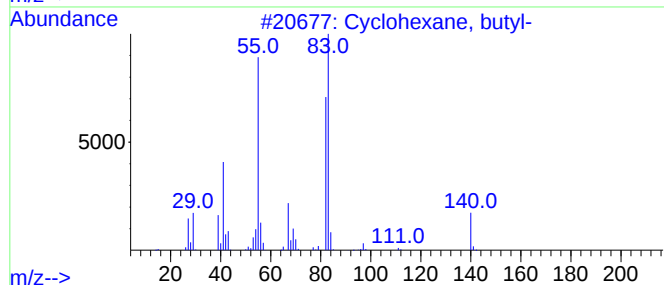
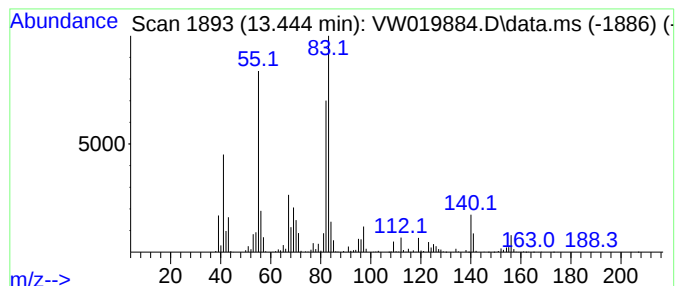
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Cyclic13.444 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	19.01 ug/L	1435960	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	80
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
5			Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

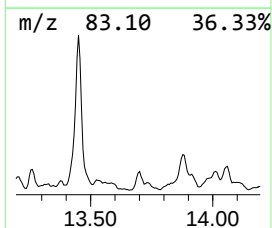
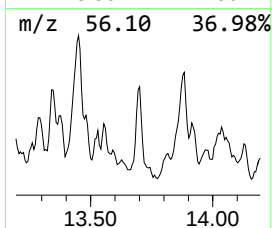
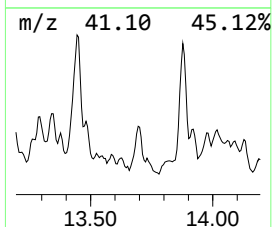
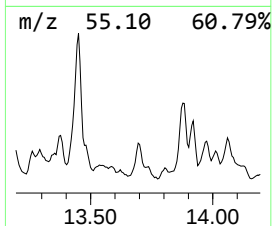
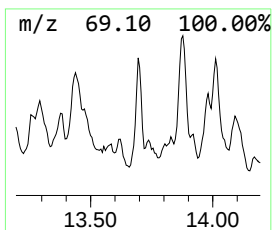
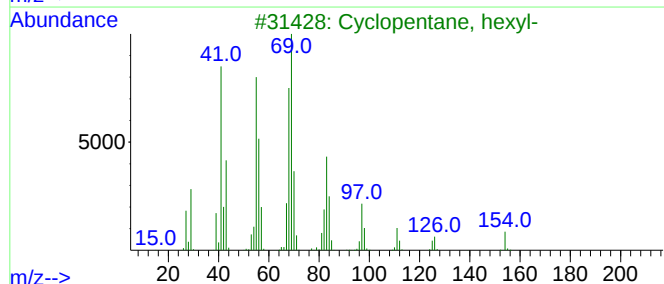
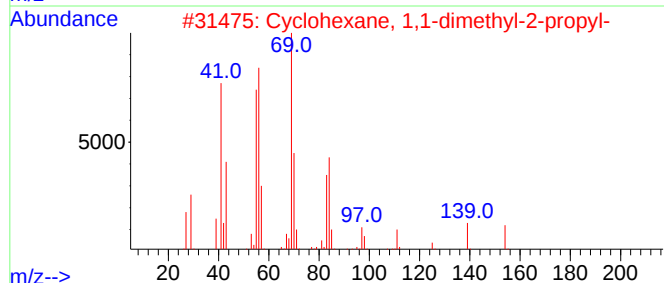
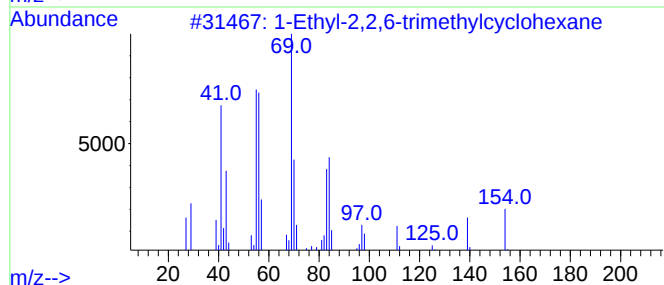
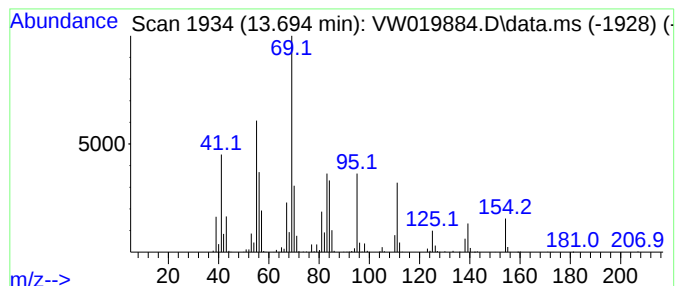
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Cyclic13.694 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.694	6.70 ug/L	506108	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	72
2	Cyclohexane, 1,1-dimethyl-2-propyl-		154	C11H22	081983-71-3	64
3	Cyclopentane, hexyl-		154	C11H22	004457-00-5	64
4	4-Octene, 2,3,7-trimethyl-, [S-(...		154	C11H22	052763-13-0	52
5	Nonane, 2-methyl-3-methylene-		154	C11H22	055499-08-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

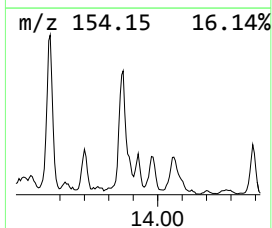
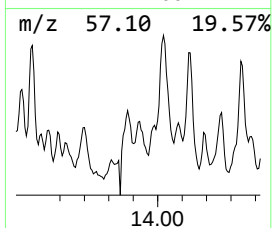
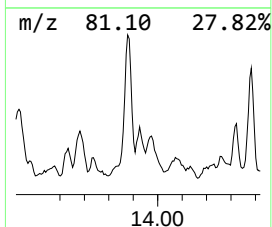
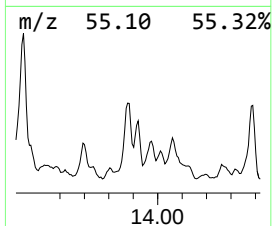
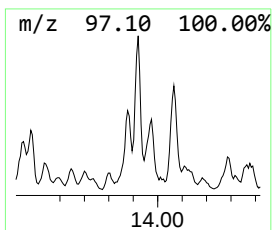
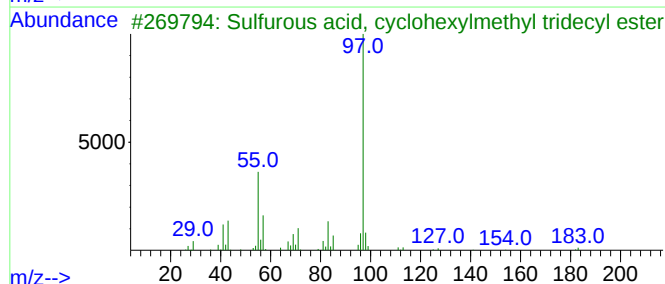
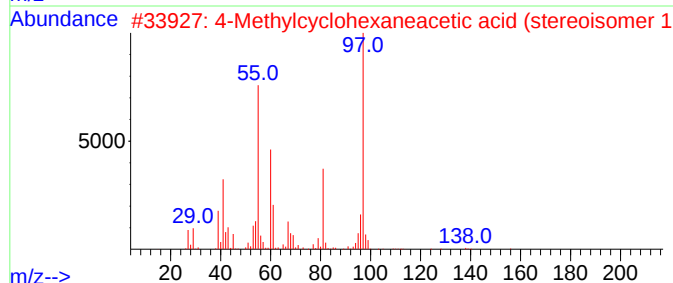
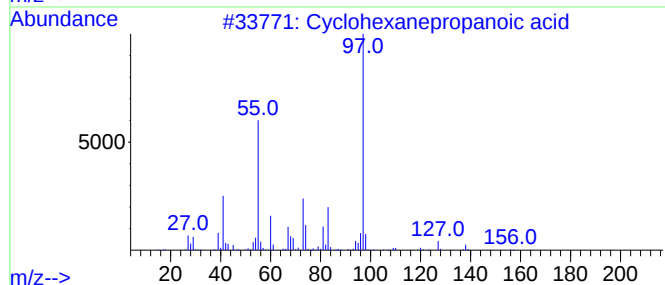
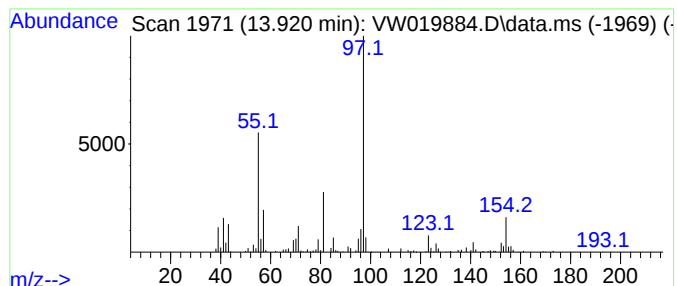
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Quant Title : SFAM01.0

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

Peak Number 56 Cyclohexanepropanoic acid Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.920	2.27 ug/L	171820	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanepropanoic acid	156	C9H16O2	000701-97-3	59
2			4-Methylcyclohexaneacetic acid (...)	156	C9H16O2	1000453-59-3	59
3			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	53
4			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	53
5			Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

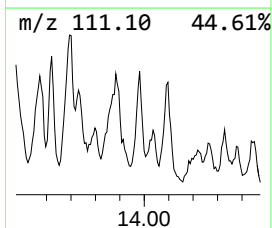
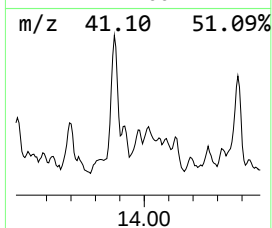
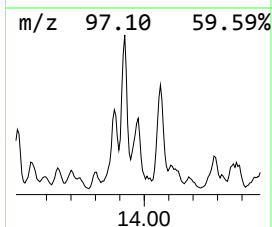
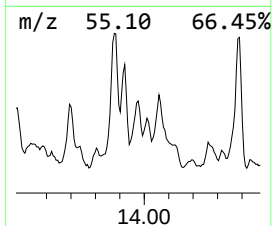
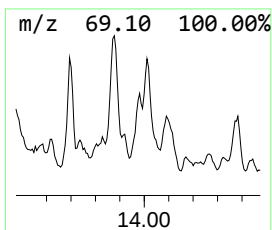
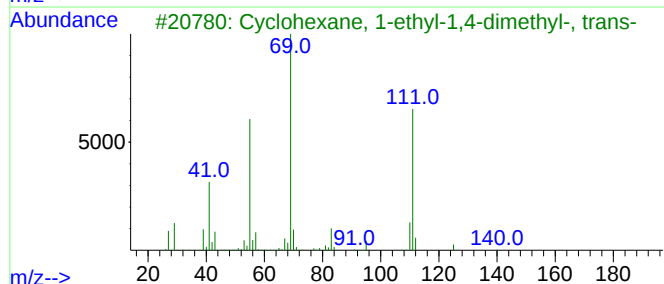
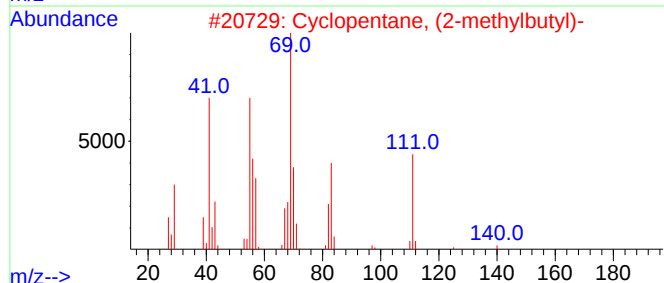
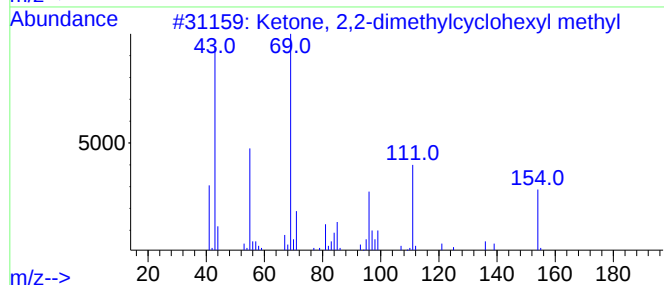
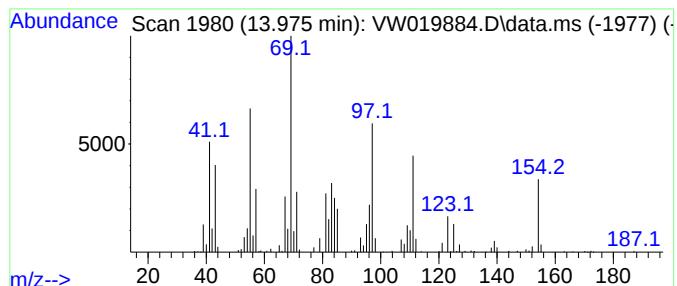
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Quant Title : SFAM01.0

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

Peak Number 57 Ketone, 2,2-dimethylcyclohe... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	1.85 ug/L	139668	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	58
2			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
3			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	38
4			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	35
5			Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

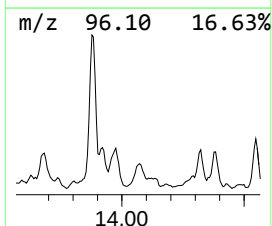
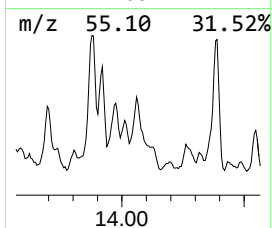
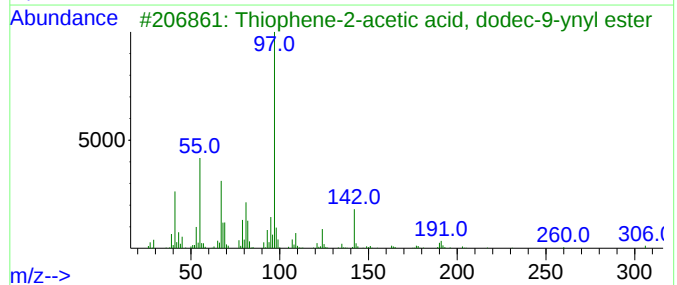
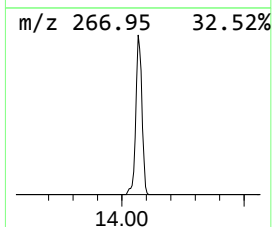
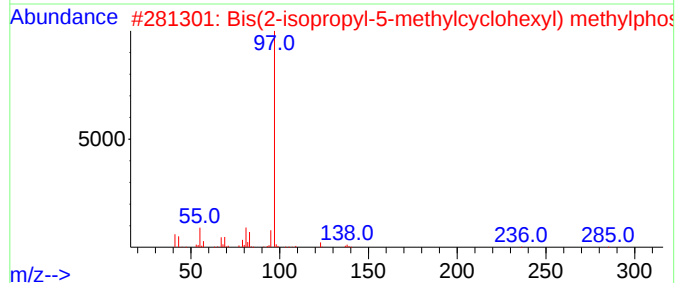
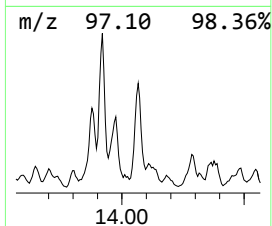
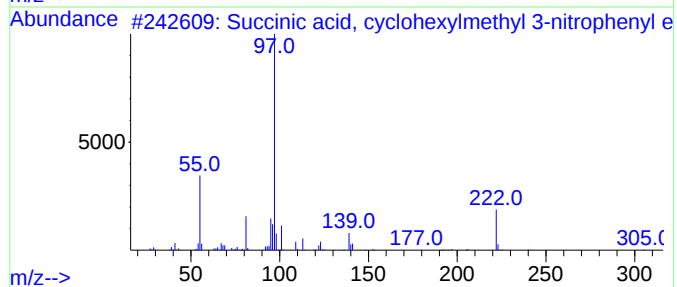
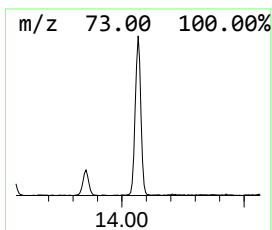
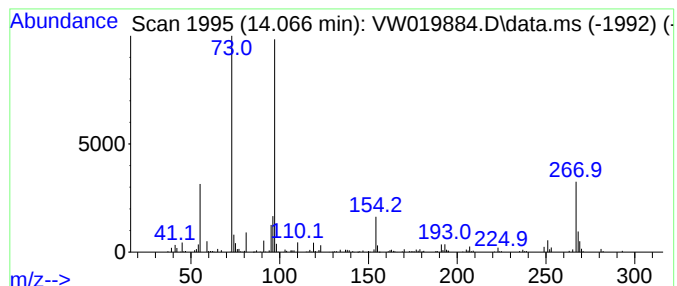
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Quant Title : SFAM01.0

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

Peak Number 58 unknown-05 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.066	1.29 ug/L	97798	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, cyclohexylmethyl ...	335	C17H21N06	1000390-13-9	37
2			Bis(2-isopropyl-5-methylcyclohex...	372	C21H41O3P	1000510-36-7	32
3			Thiophene-2-acetic acid, dodec-9...	306	C18H26O2S	1000282-82-8	25
4			Bis(2-isopropyl-5-methylcyclohex...	372	C21H41O3P	1000510-36-9	23
5			Succinic acid, tridec-2-yn-1-yl ...	392	C24H40O4	1000390-06-3	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

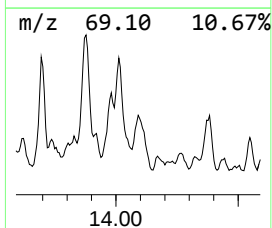
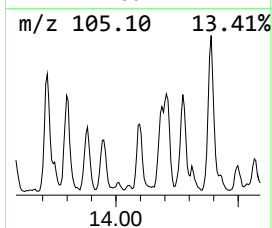
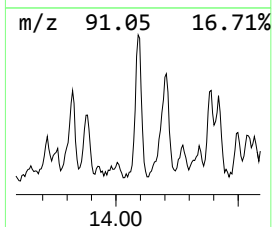
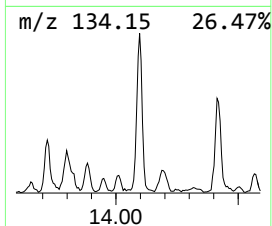
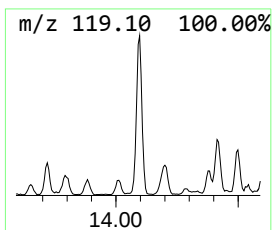
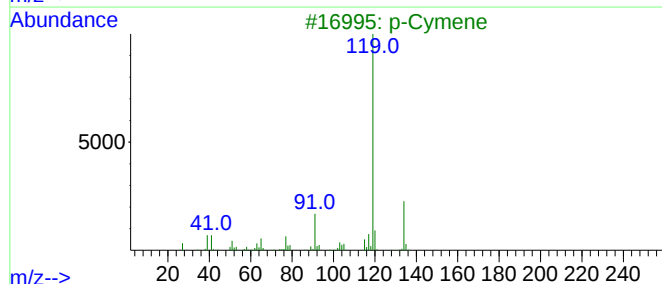
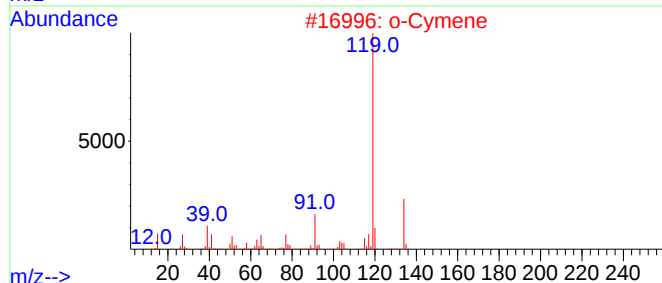
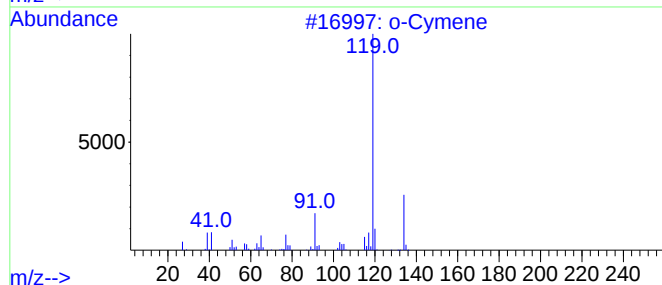
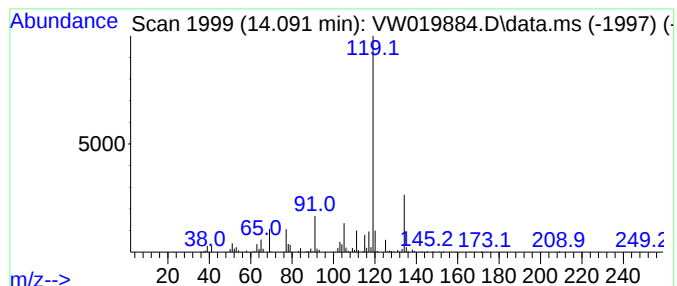
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Quant Title : SFAM01.0

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

Peak Number 59 o-Cymene Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	3.05 ug/L	230408	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			p-Cymene	134	C10H14	000099-87-6	94
4			o-Cymene	134	C10H14	000527-84-4	93
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

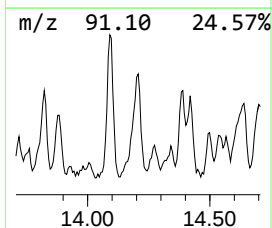
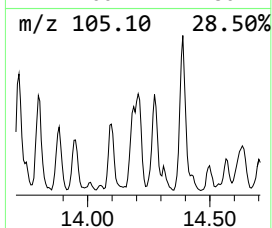
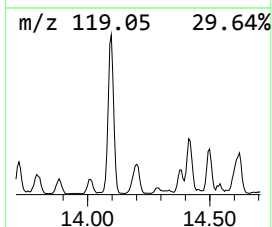
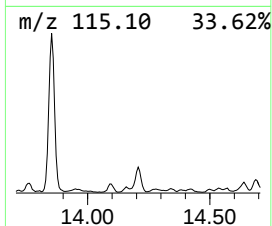
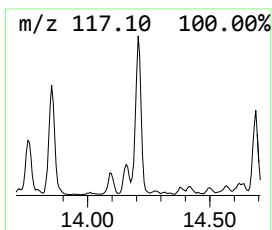
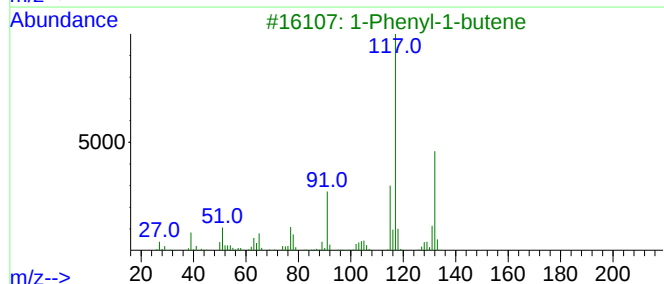
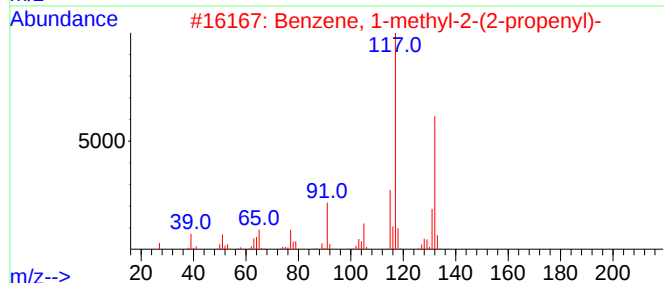
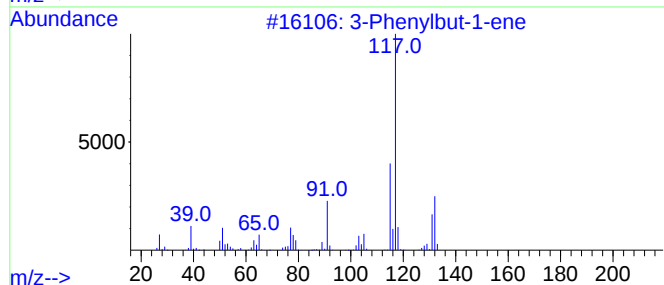
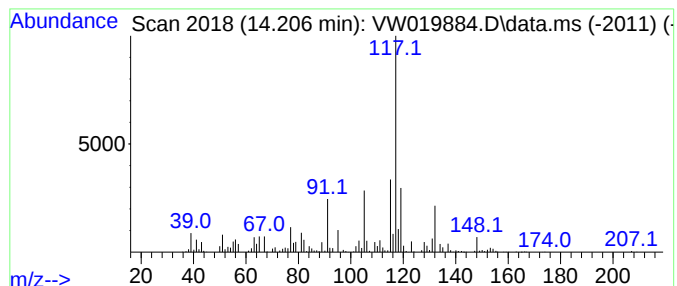
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Quant Title : SFAM01.0

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

Peak Number 60 3-Phenylbut-1-ene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	4.85 ug/L	366659	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	64
4			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

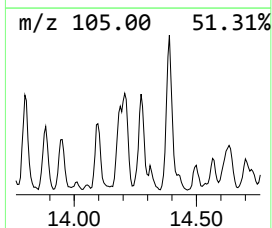
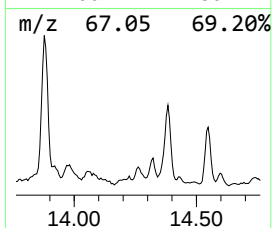
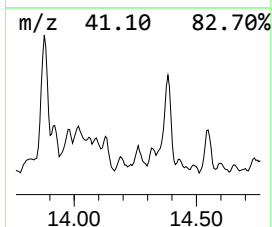
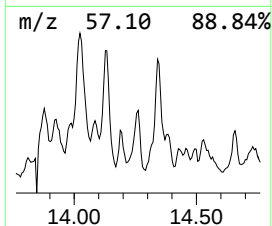
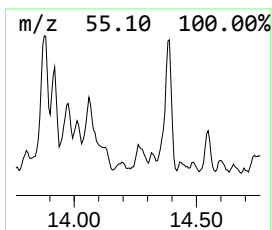
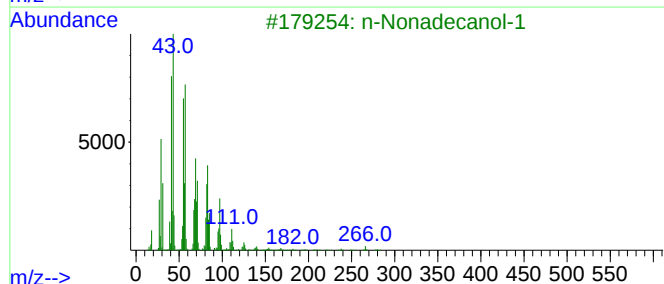
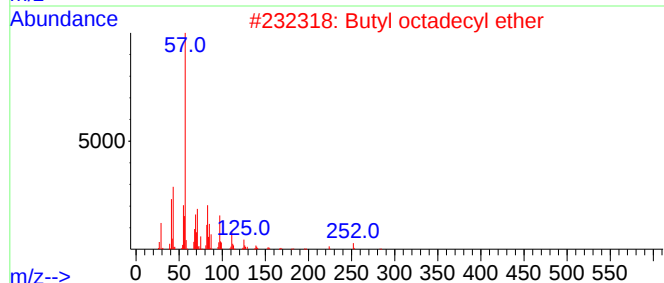
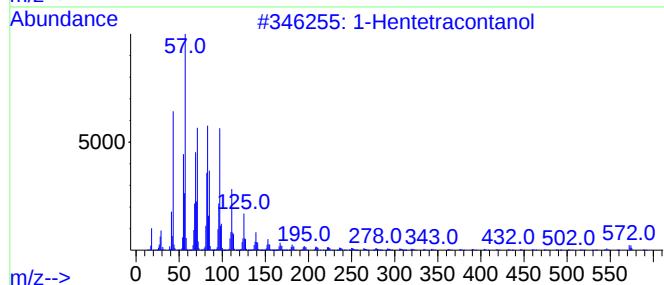
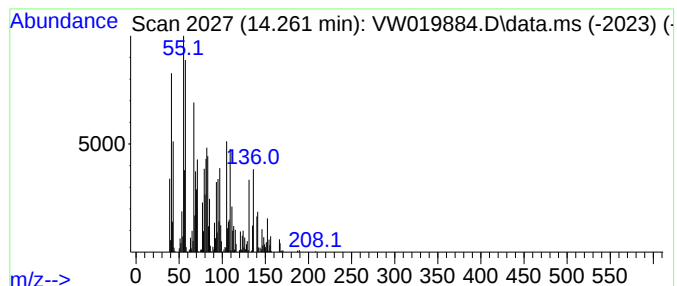
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Quant Title : SFAM01.0

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

Peak Number 61 unknown-06 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	3.48 ug/L	262851	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hentetracontanol	593	C41H84O	040710-42-7	38
2			Butyl octadecyl ether	326	C22H46O	1000406-40-6	38
3			n-Nonadecanol-1	284	C19H40O	001454-84-8	38
4			n-Tetracosanol-1	354	C24H50O	000506-51-4	38
5			Butyl dodecyl ether	242	C16H34O	1000406-40-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

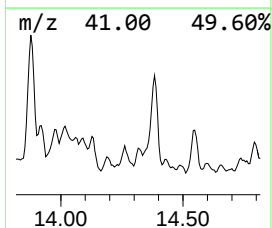
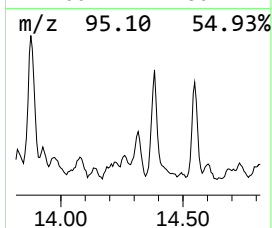
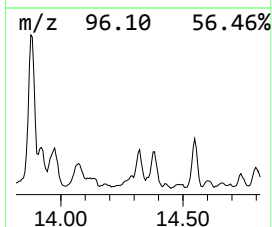
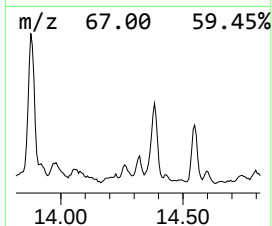
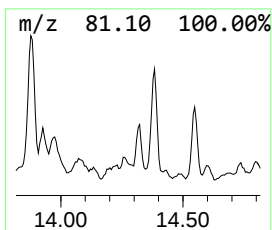
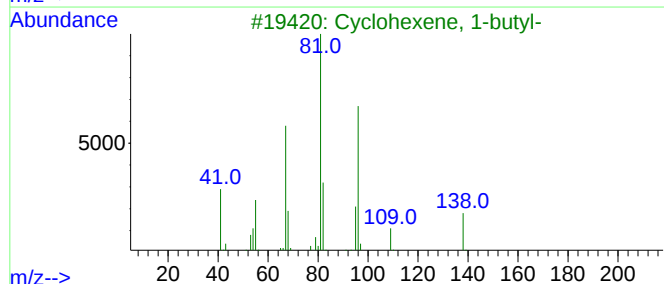
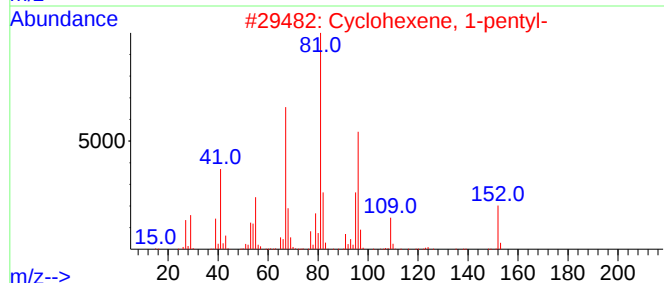
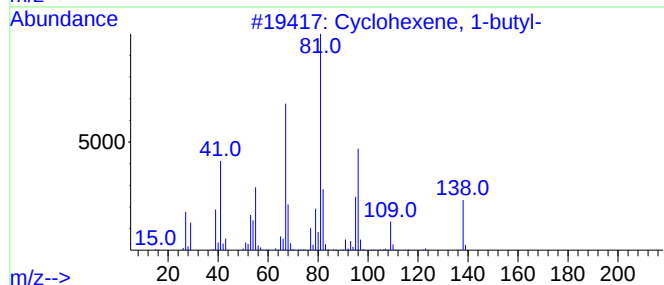
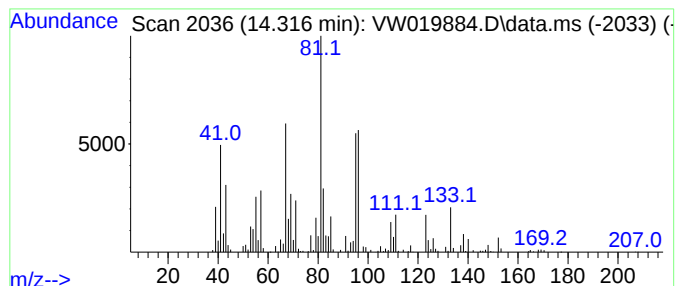
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Quant Title : SFAM01.0

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

Peak Number 62 Cyclohexene, 1-butyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	1.95 ug/L	147376	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	94
2			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	76
3			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	70
4			Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	68
5			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

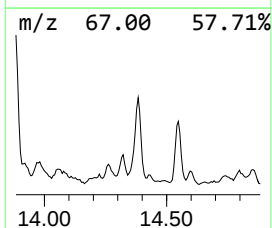
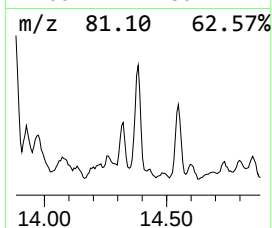
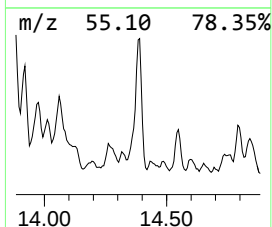
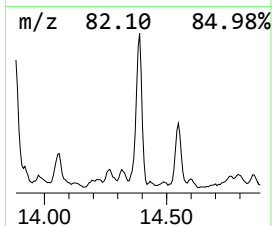
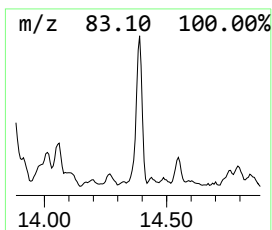
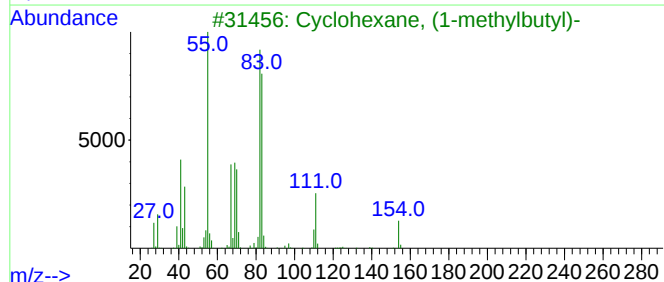
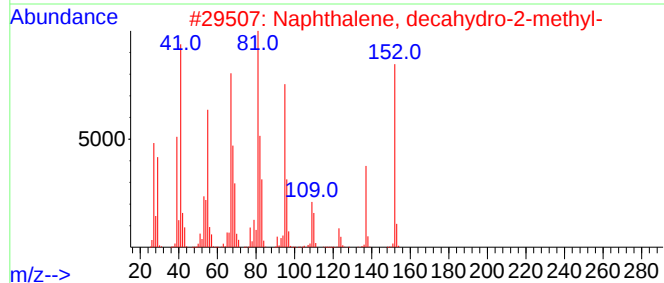
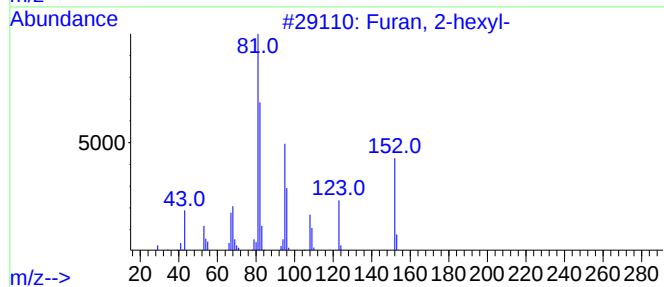
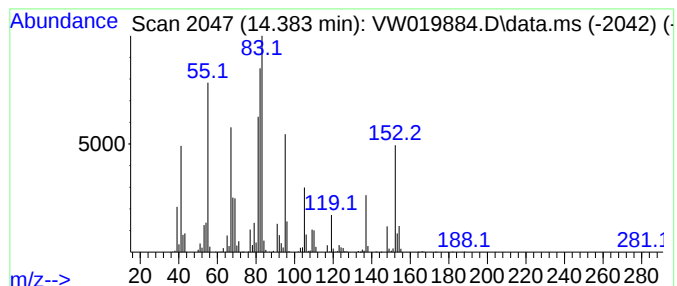
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Quant Title : SFAM01.0

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

Peak Number 63 unknown-07 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	10.55 ug/L	796887	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-hexyl-	152	C10H16O	003777-70-6	43
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38
3			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	38
5			3-Hexyne	82	C6H10	000928-49-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

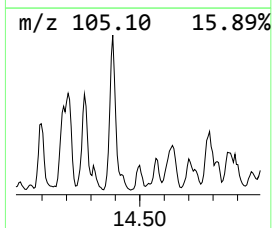
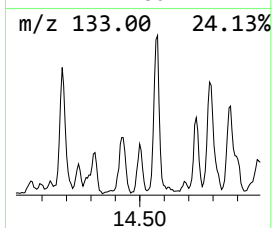
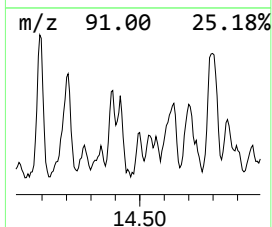
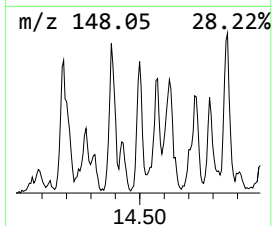
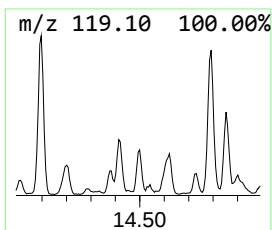
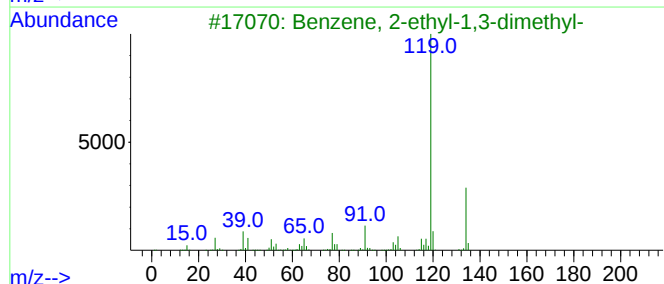
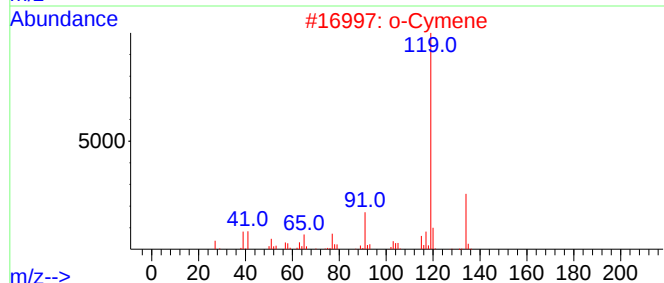
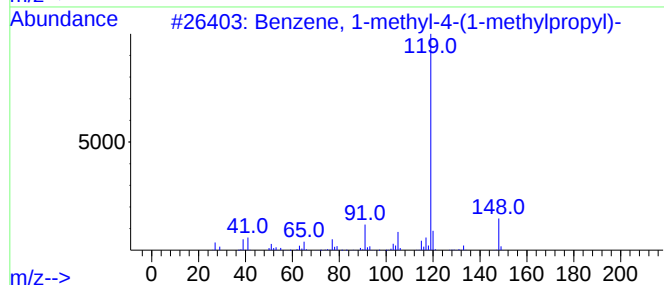
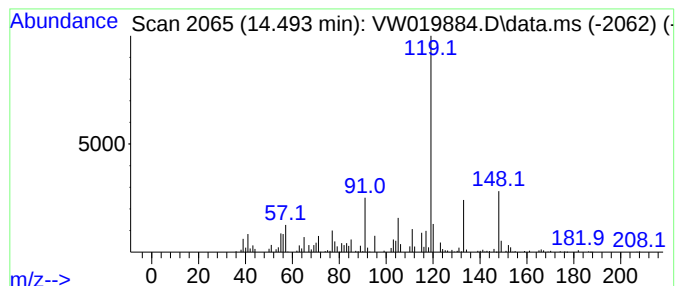
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Quant Title : SFAM01.0

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

Peak Number 64 Benzene, 1-methyl-4-(1-meth... Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	1.25 ug/L	94449	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	93
2			o-Cymene	134	C10H14	000527-84-4	90
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

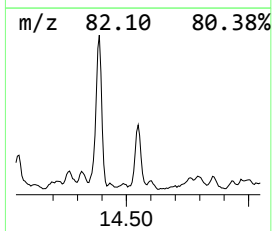
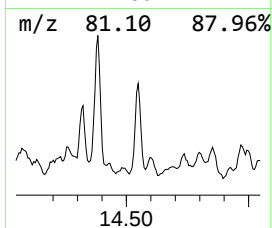
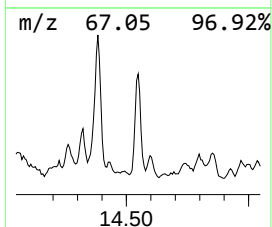
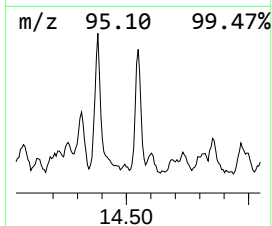
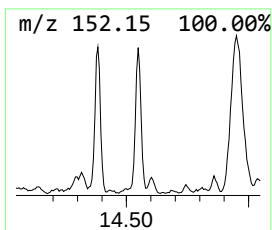
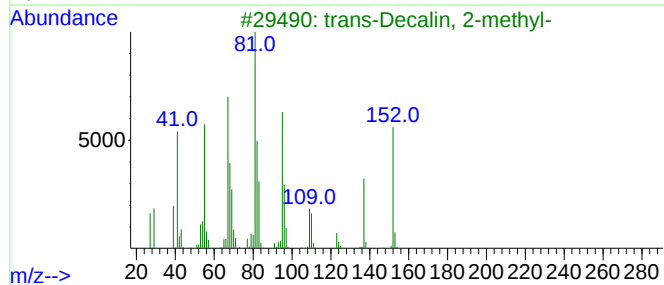
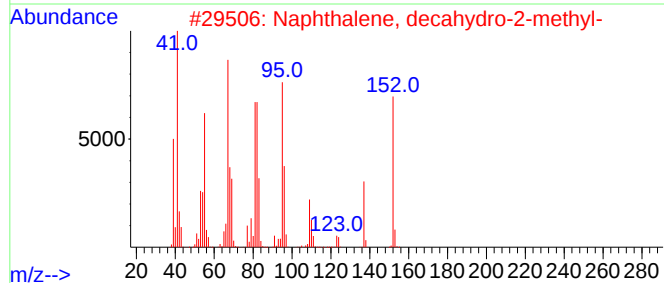
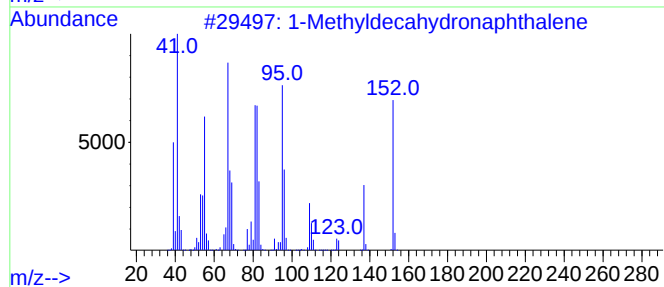
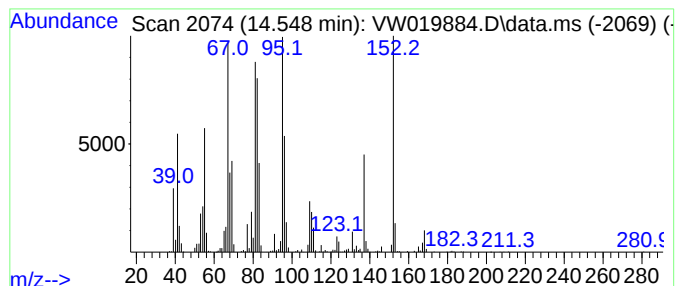
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Quant Title : SFAM01.0

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

Peak Number 65 1-Methyldecahydronaphthalene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	6.96 ug/L	525875	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
5			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

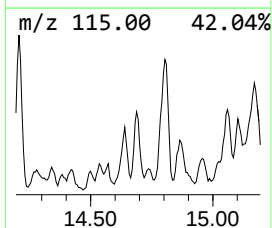
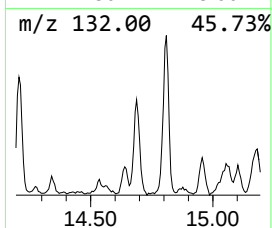
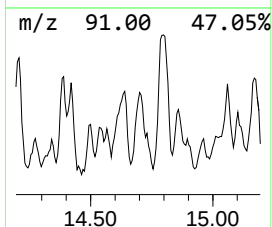
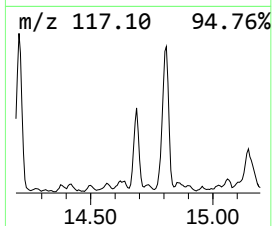
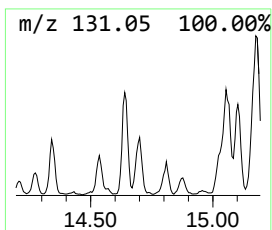
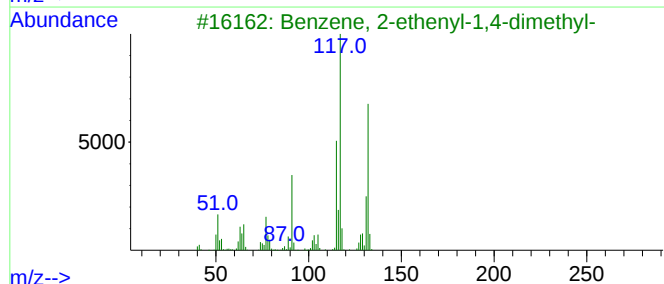
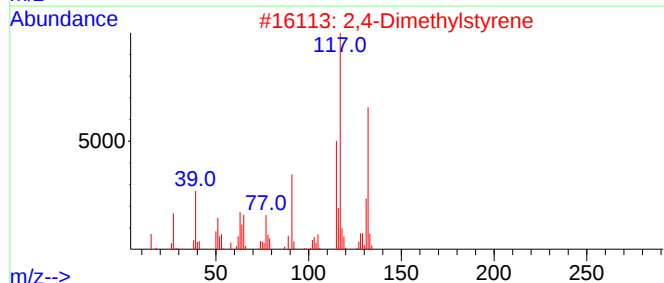
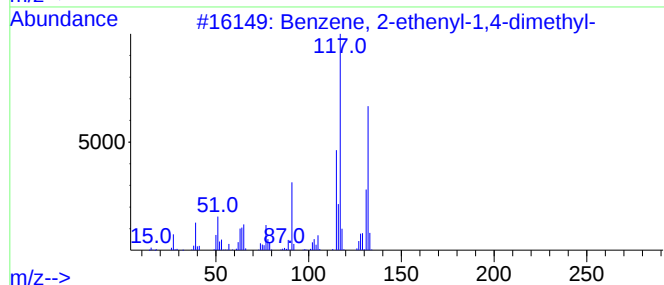
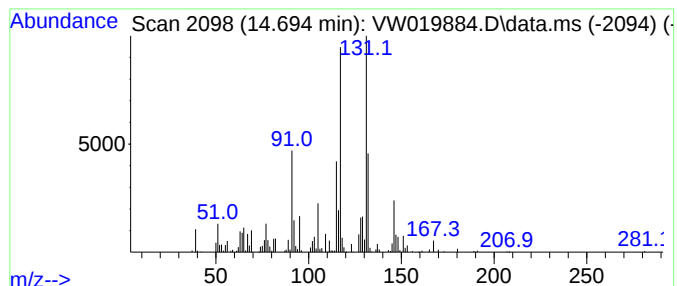
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Quant Title : SFAM01.0

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

Peak Number 66 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.694	1.37 ug/L	103841	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	78
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	78
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	55
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	49
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

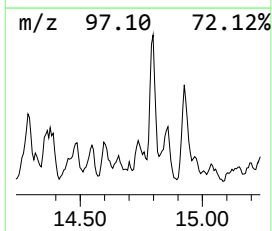
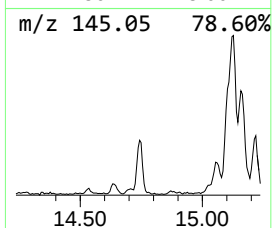
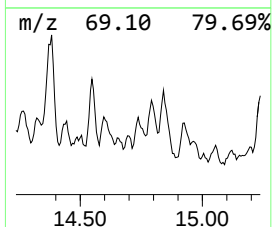
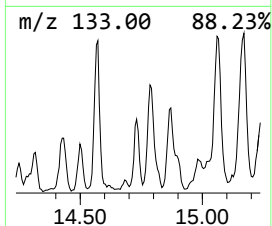
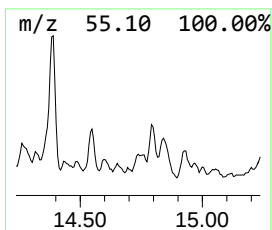
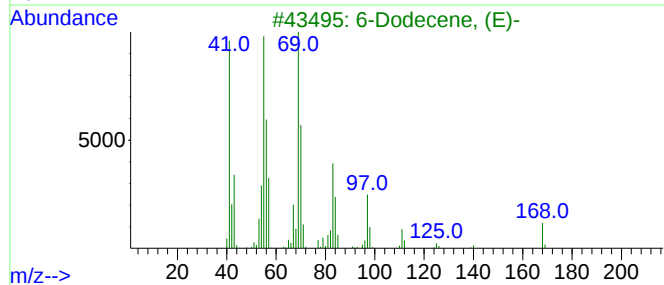
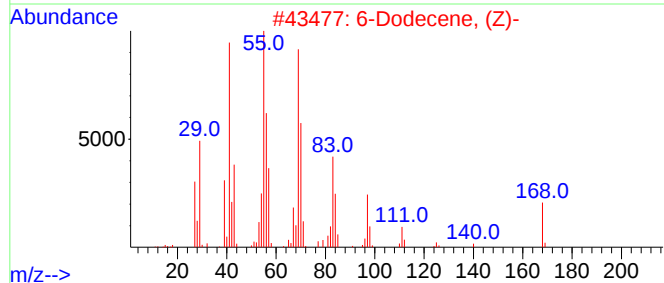
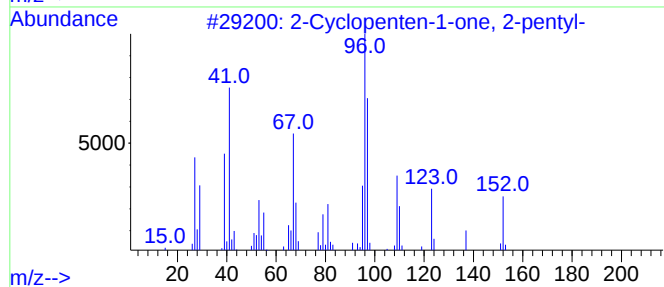
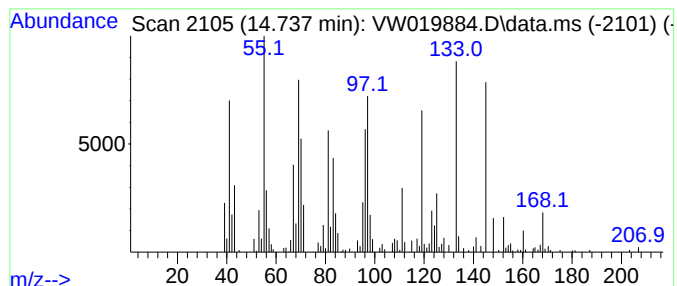
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Quant Title : SFAM01.0

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

Peak Number 67 unknown-08 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	1.89 ug/L	142861	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	25
2			6-Dodecene, (Z)-	168	C12H24	007206-29-3	25
3			6-Dodecene, (E)-	168	C12H24	007206-17-9	25
4			6-Dodecene, (E)-	168	C12H24	007206-17-9	15
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

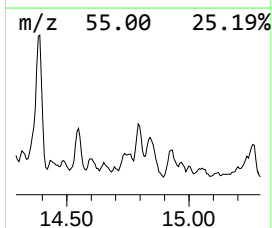
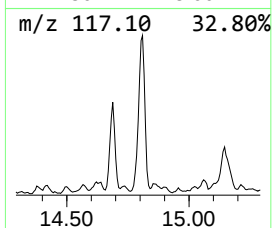
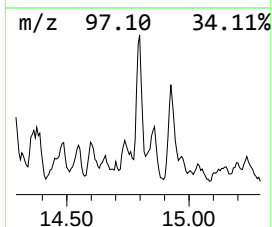
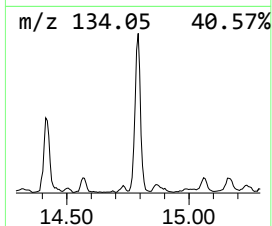
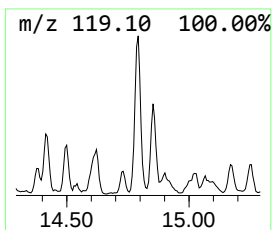
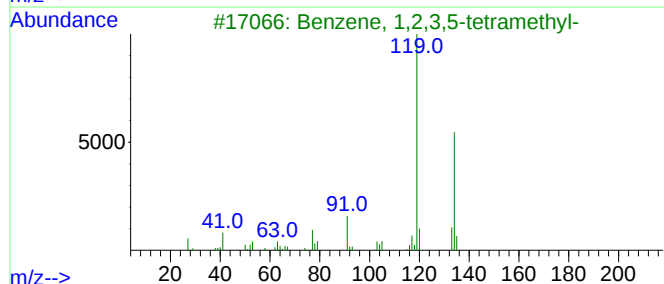
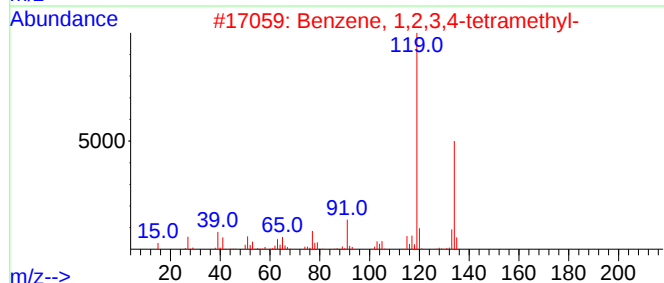
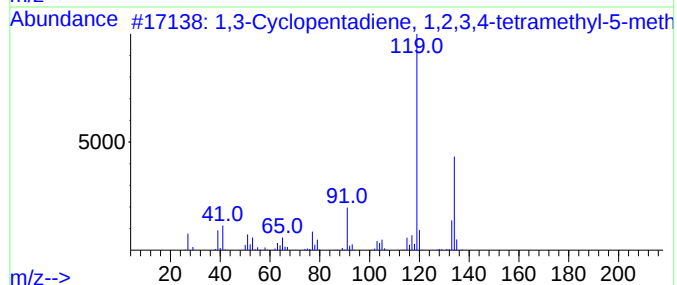
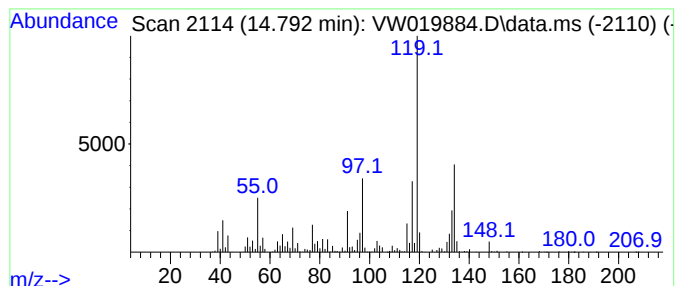
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Quant Title : SFAM01.0

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

Peak Number 68 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	8.83 ug/L	666657	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

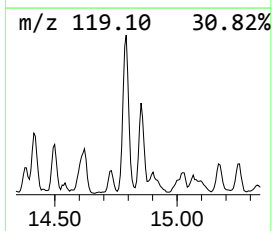
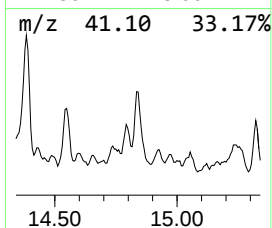
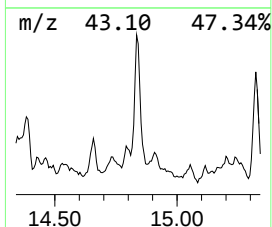
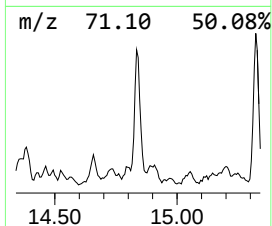
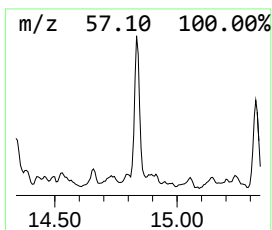
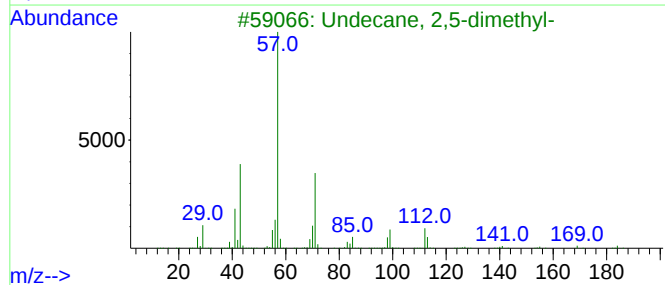
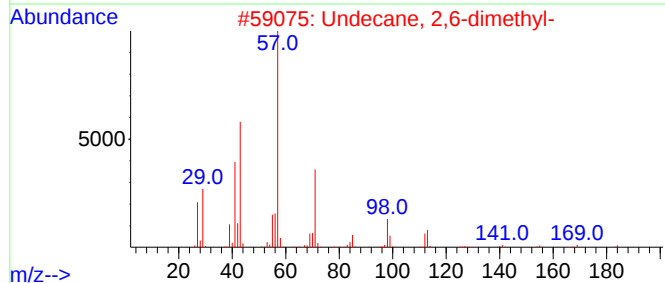
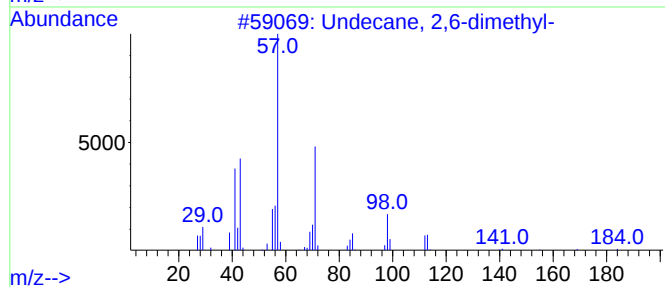
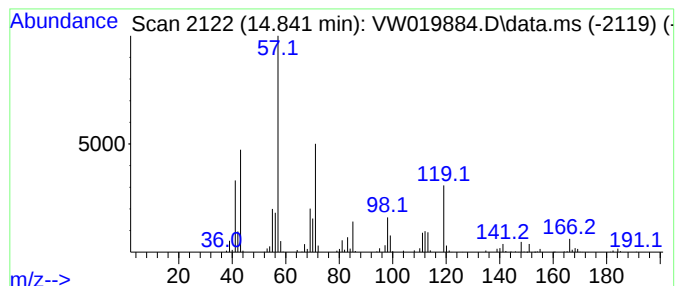
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 69 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.841	6.90 ug/L	520869	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	89
2	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	62
3	Undecane, 2,5-dimethyl-		184	C13H28	017301-22-3	62
4	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	58
5	Octane, 4-ethyl-		142	C10H22	015869-86-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

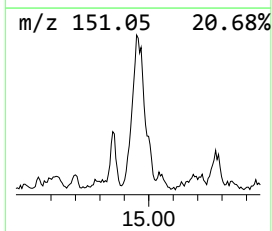
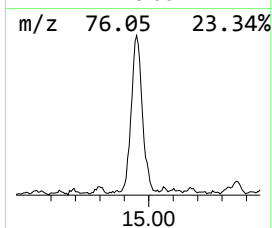
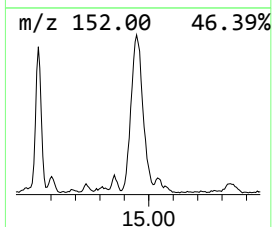
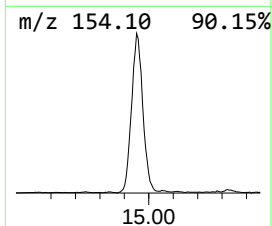
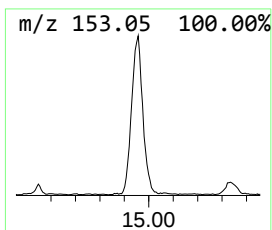
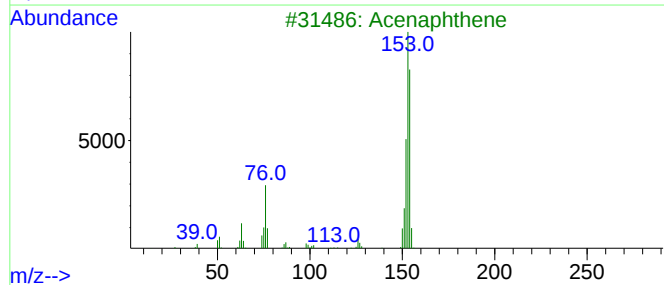
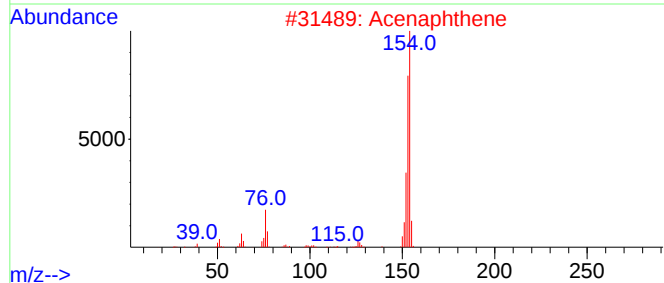
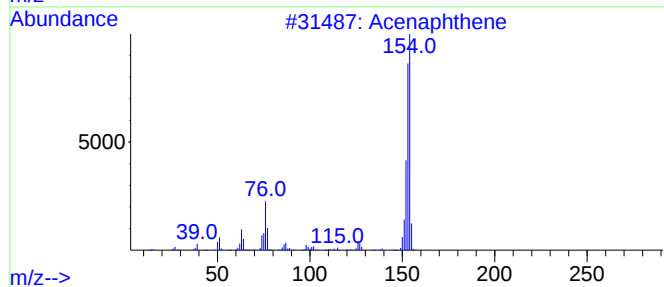
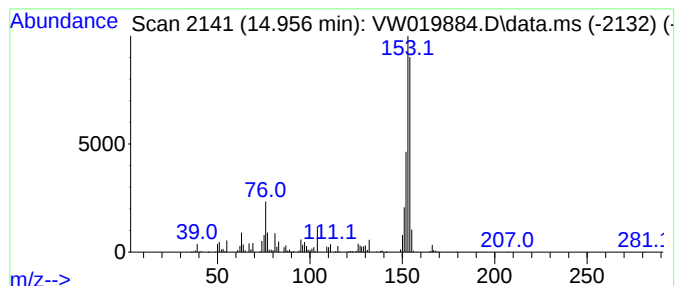
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Quant Title : SFAM01.0

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

Peak Number 70 Naphthalene, 2-ethenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	10.52 ug/L	794556	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acenaphthene	154	C12H10	000083-32-9	89
2		Acenaphthene	154	C12H10	000083-32-9	70
3		Acenaphthene	154	C12H10	000083-32-9	70
4		Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	62
5		Acenaphthene	154	C12H10	000083-32-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

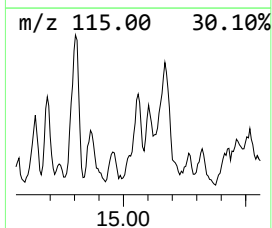
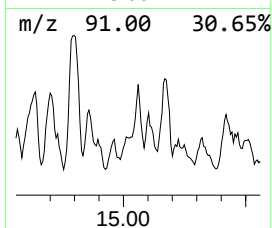
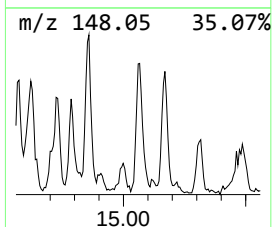
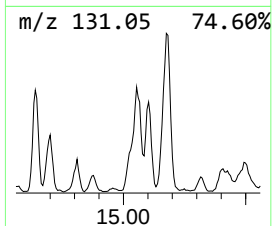
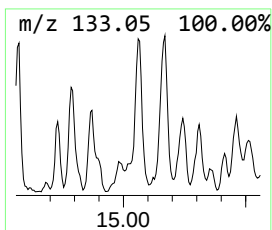
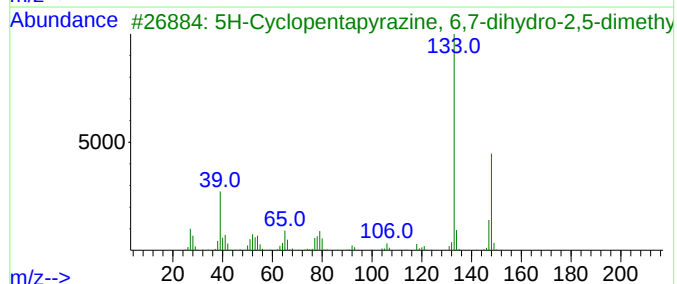
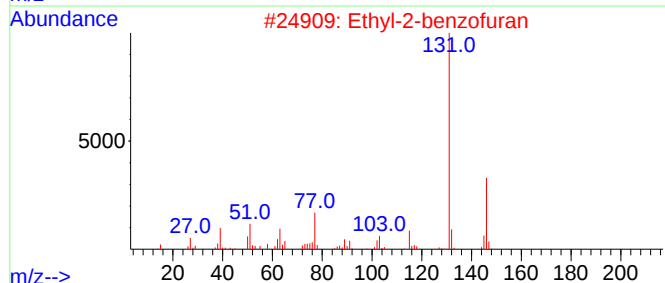
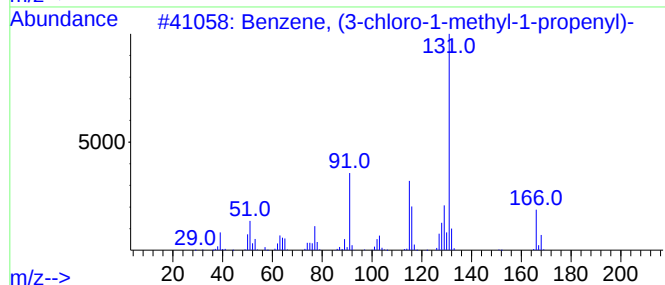
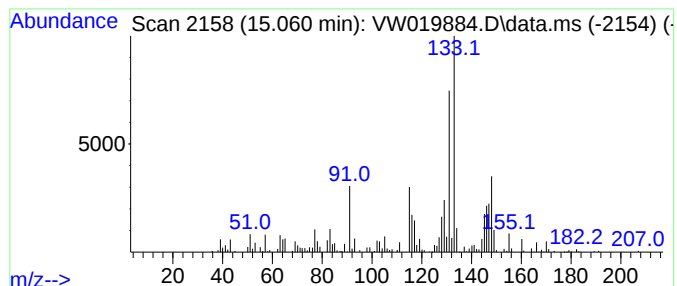
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Quant Title : SFAM01.0

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

Peak Number 71 unknown-09 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	2.99 ug/L	225688	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-chloro-1-methyl-1-pr...	166	C10H11Cl	1000327-43-7	43
2			Ethyl-2-benzofuran	146	C10H10O	003131-63-3	38
3			5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	35
4			4-Amino-3-ethylbenzonitrile	146	C9H10N2	170230-87-2	30
5			2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

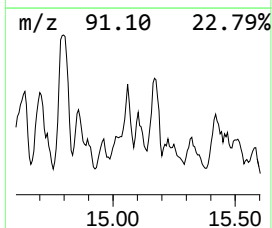
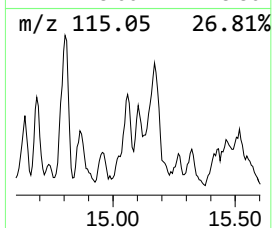
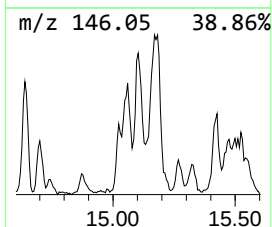
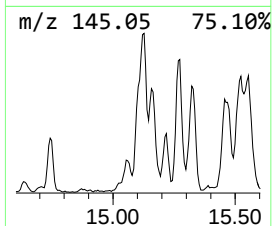
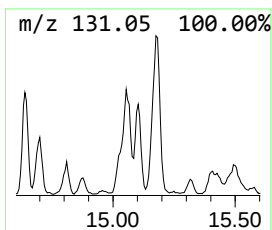
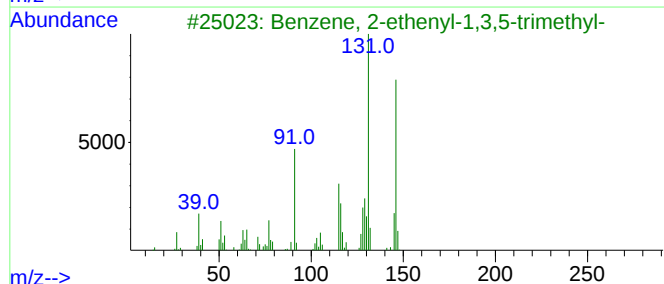
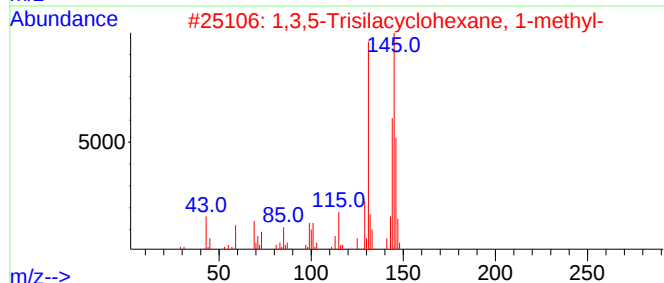
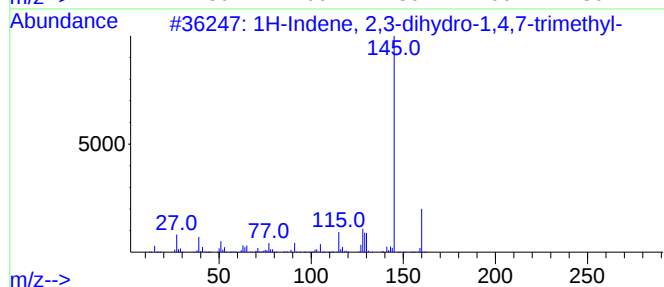
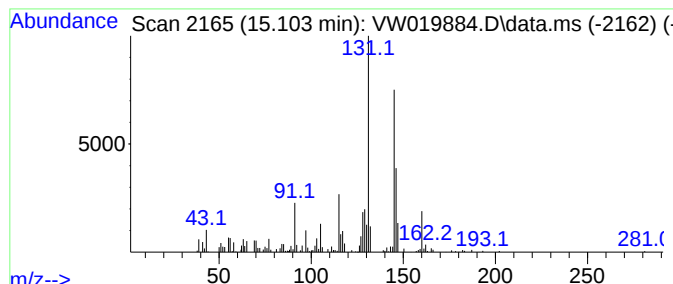
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Quant Title : SFAM01.0

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

Peak Number 72 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.103	1.94 ug/L	146860	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	84
2			1,3,5-Trisilacyclohexane, 1-methyl-	146	C4H14Si3	018148-11-3	80
3			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
4			4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	53
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

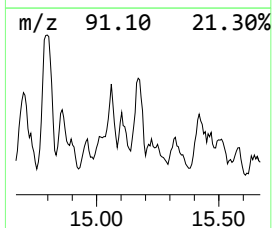
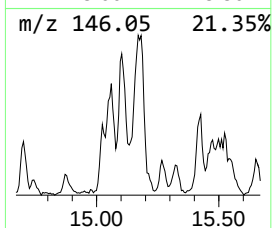
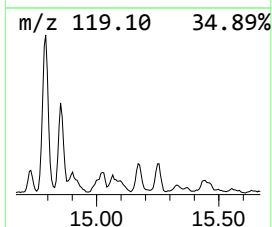
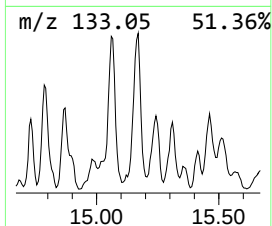
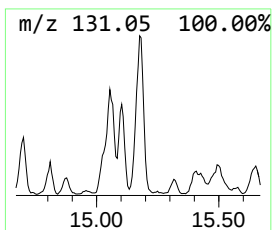
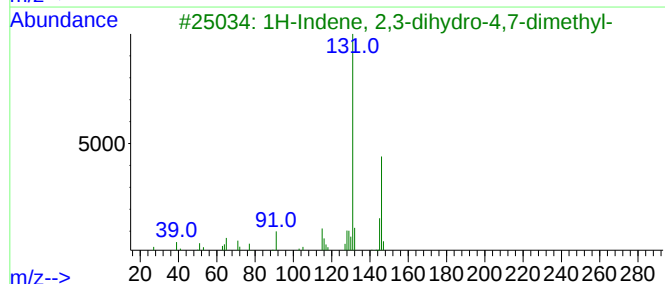
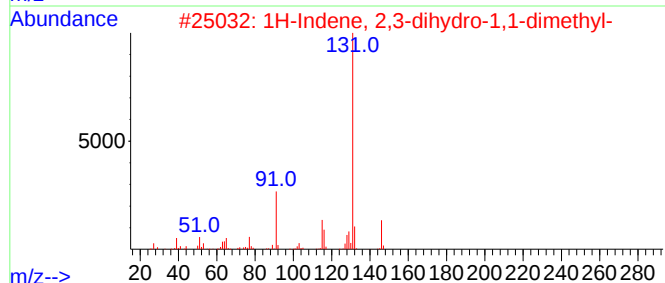
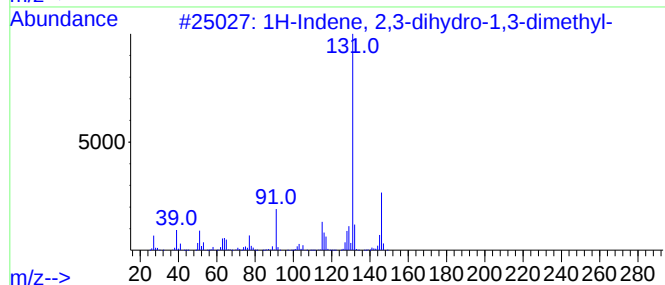
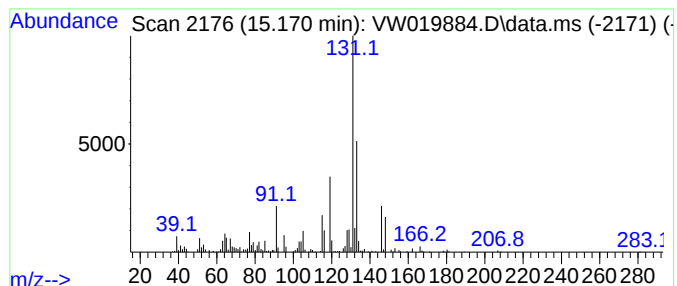
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Quant Title : SFAM01.0

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

Peak Number 73 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	3.40 ug/L	257167	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
2			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

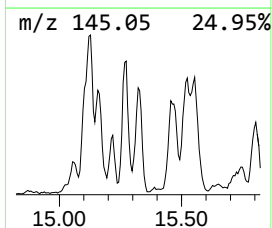
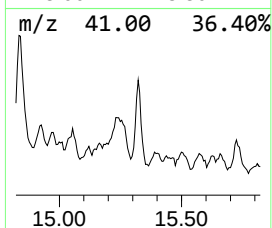
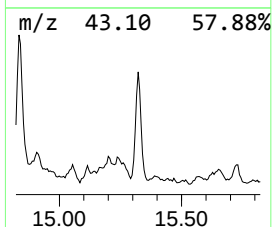
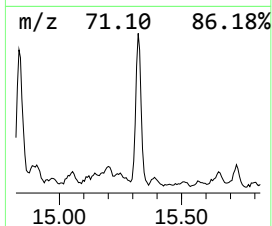
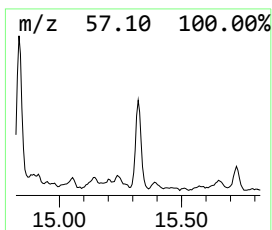
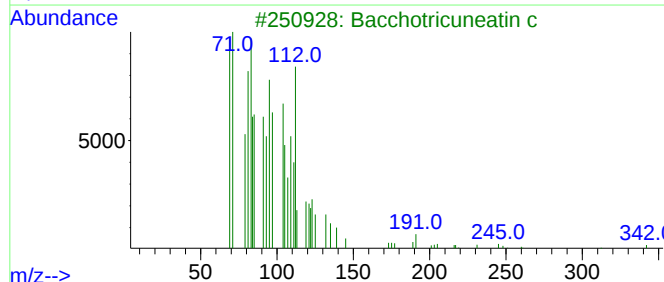
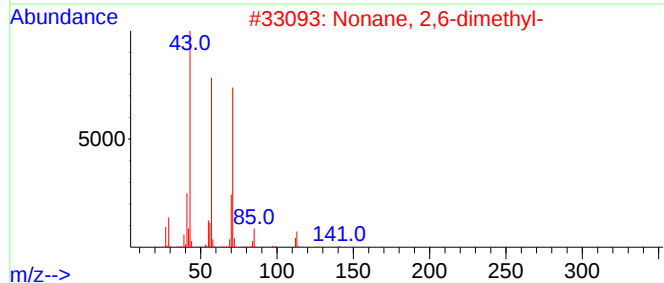
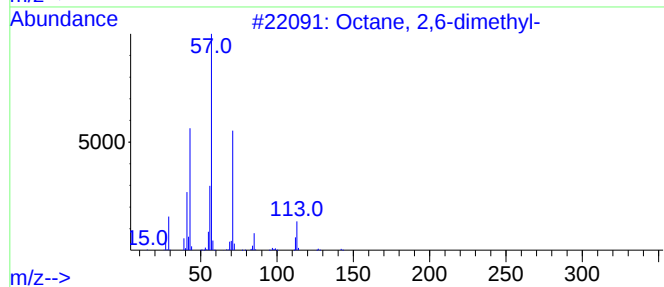
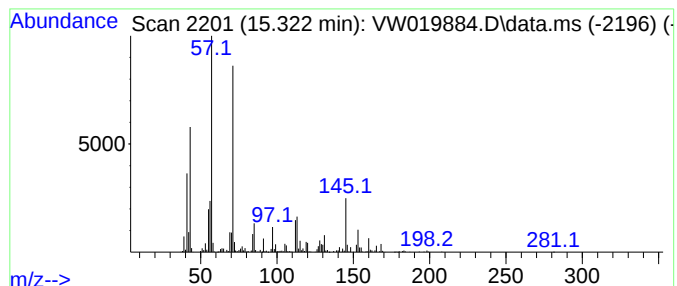
Instrument :
MSVOA_W
ClientSampleId :
EW7D1

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 74 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.322	4.98 ug/L	376084	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	58
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
4	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58
5	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

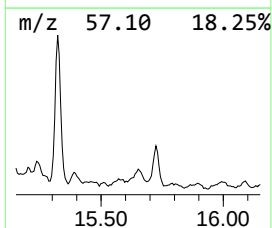
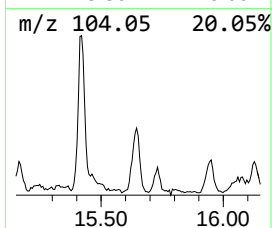
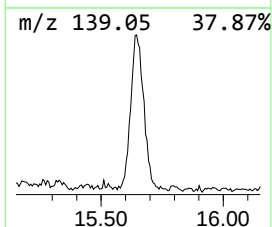
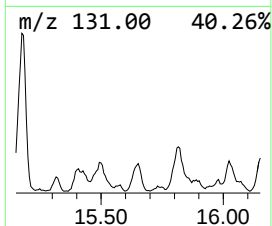
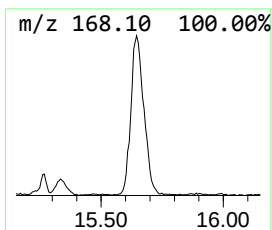
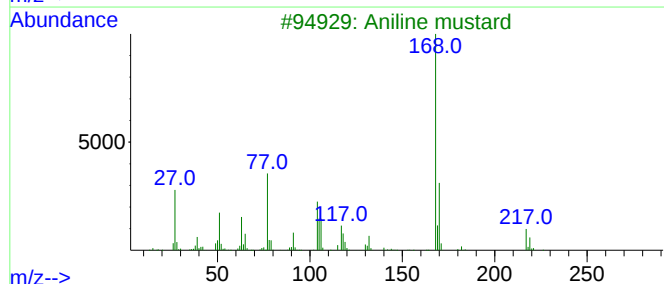
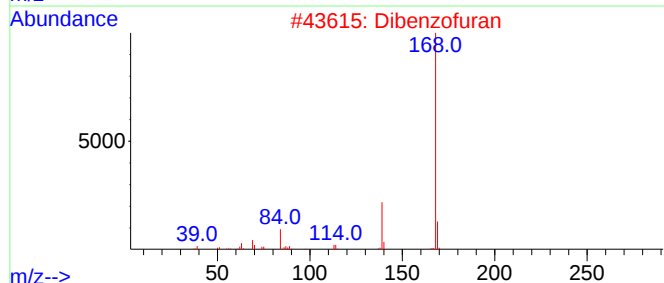
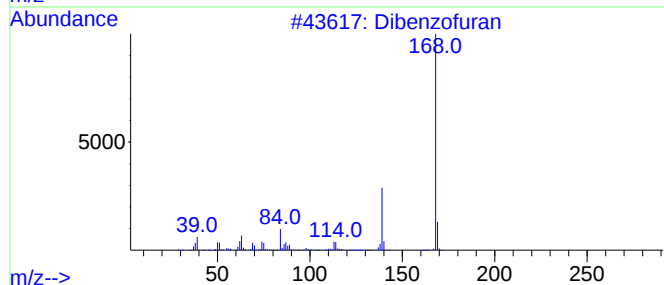
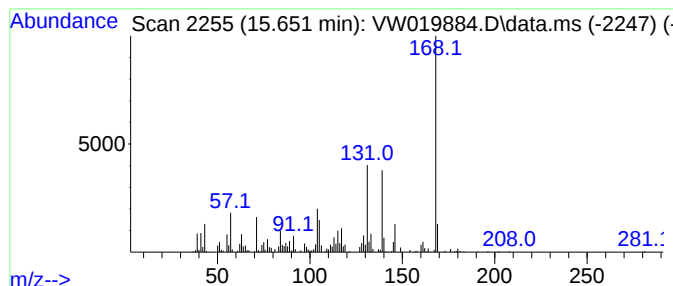
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 75 unknown-10 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	3.90 ug/L	294202	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran	168	C12H8O	000132-64-9	90
2			Dibenzofuran	168	C12H8O	000132-64-9	47
3			Aniline mustard	217	C10H13Cl2N	000553-27-5	43
4			4-Fluoro-1,3-benzothiazol-2-ylamine	168	C7H5FN2S	020358-06-9	35
5			Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

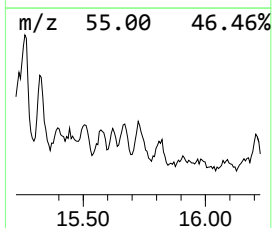
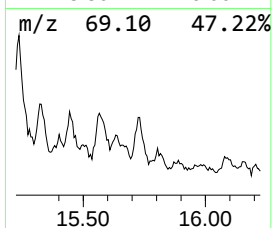
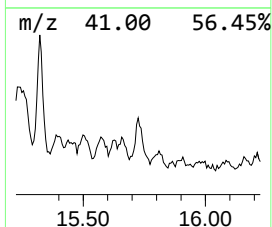
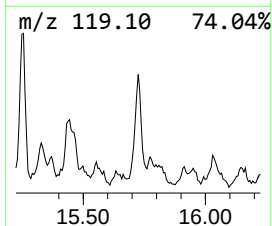
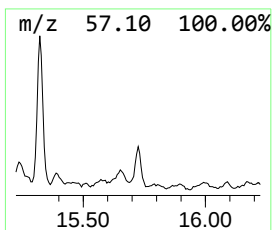
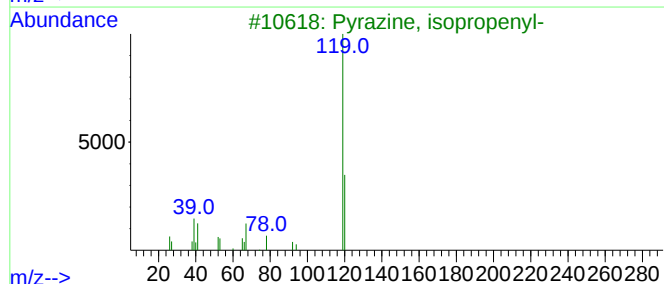
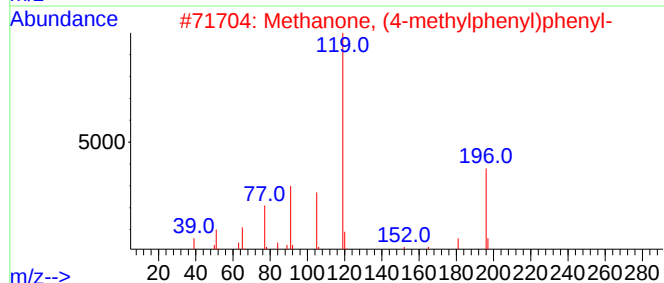
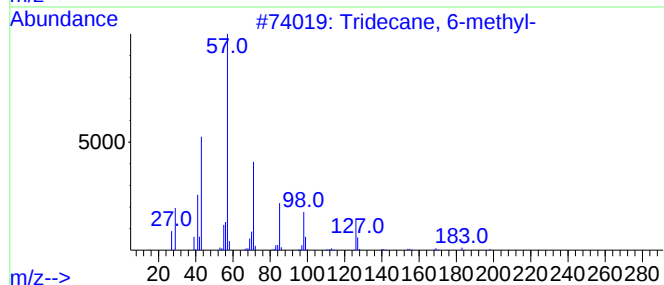
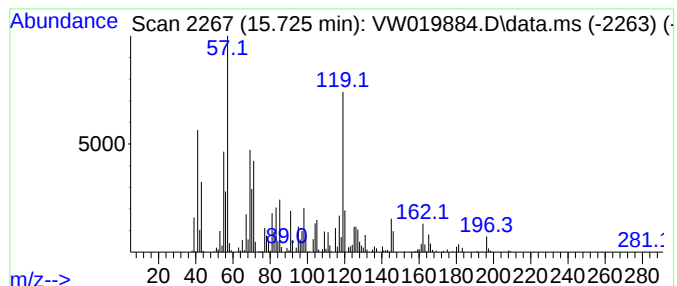
Instrument :
MSVOA_W
ClientSampled :
EW7D1

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 76 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.725	1.84 ug/L	138737	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-		198	C14H30	013287-21-3	42
2	Methanone, (4-methylphenyl)phenyl-		196	C14H12O	000134-84-9	38
3	Pyrazine, isopropenyl-		120	C7H8N2	034413-32-6	35
4	Nicotine, 1'-demethyl-, (.+/-.)-		148	C9H12N2	005746-86-1	35
5	Benzene, 1,4-dimethyl-2-(2-methy...		162	C12H18	055669-88-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

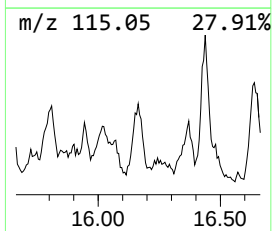
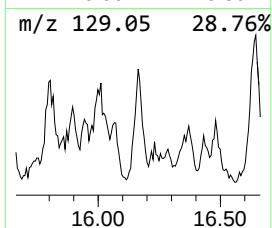
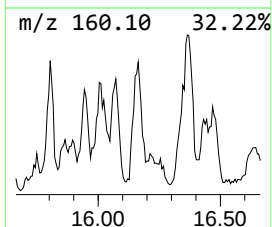
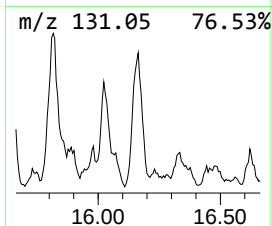
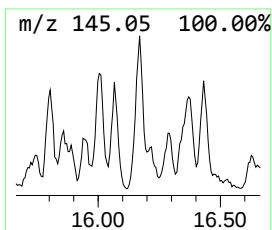
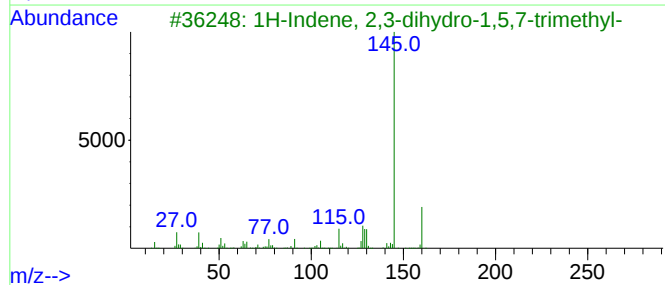
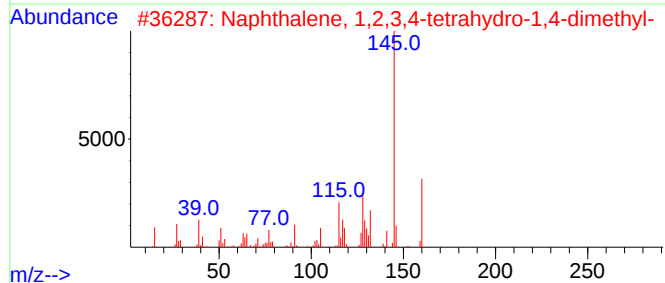
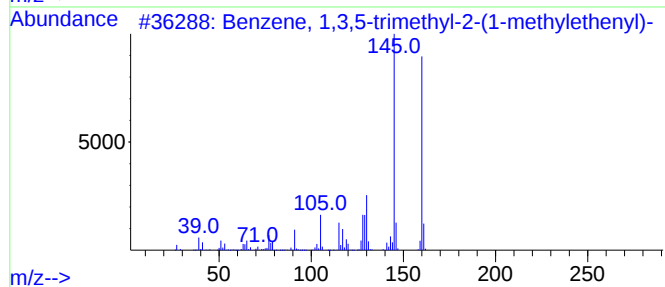
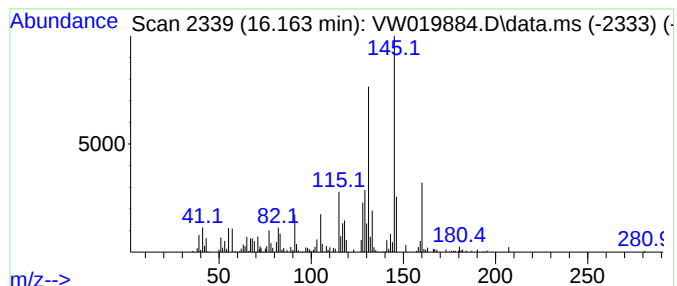
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Quant Title : SFAM01.0

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

Peak Number 77 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	2.01 ug/L	151474	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	53
3			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	50
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	45
5			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

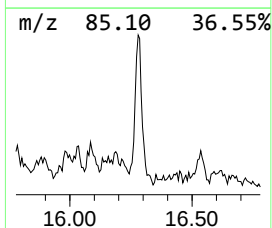
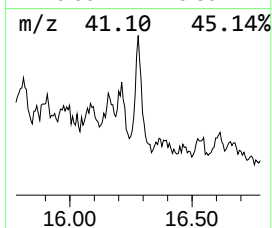
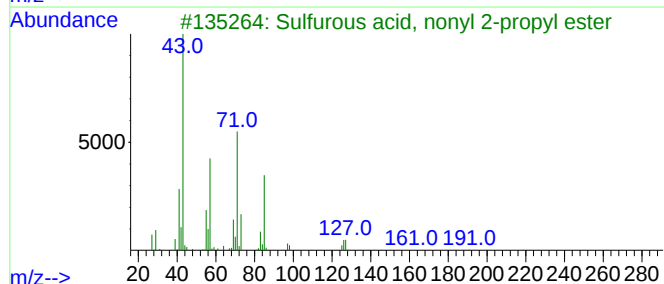
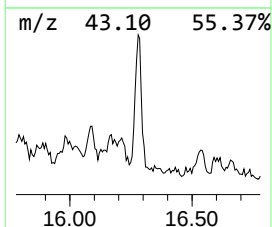
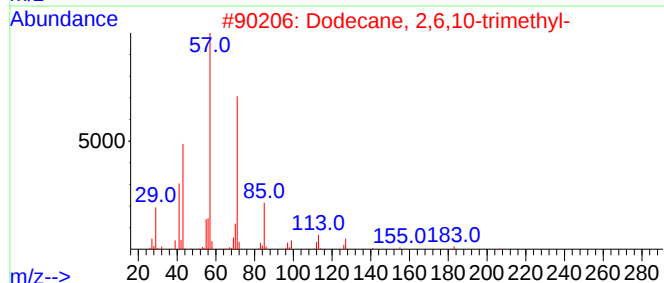
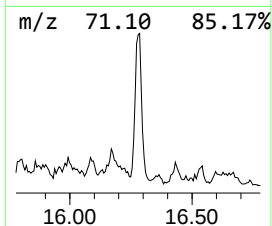
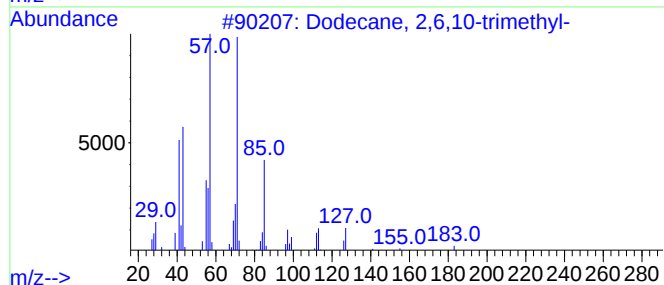
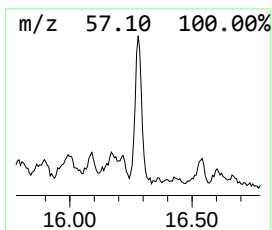
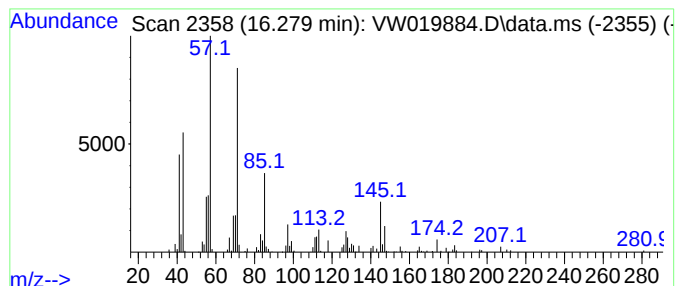
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Quant Title : SFAM01.0

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

Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	1.49 ug/L	112376	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	81
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
3			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53
4			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	52
5			Decane, 3-methyl-	156	C11H24	013151-34-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019884.D
Acq On : 24 Aug 2021 18:53
Operator : SY/VA
Sample : M3526-09
Misc : 6.16g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7D1

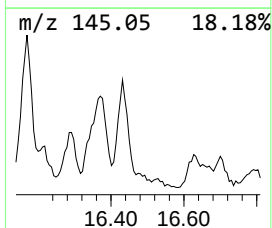
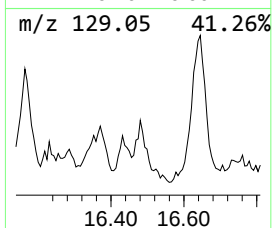
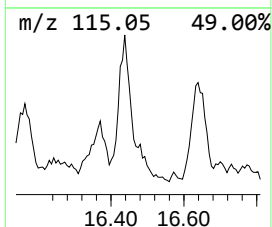
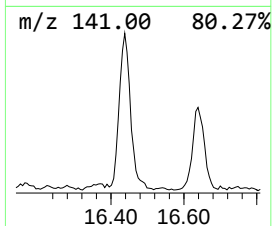
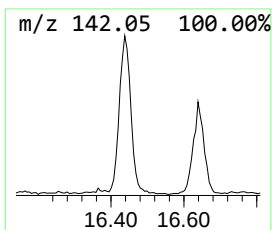
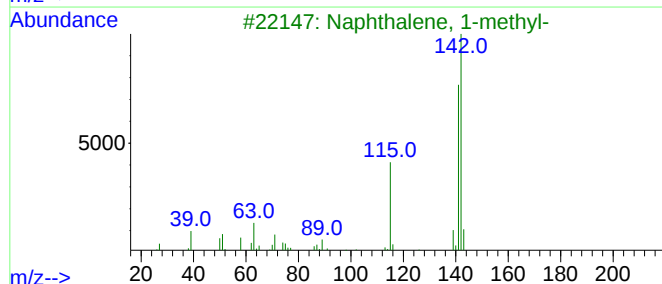
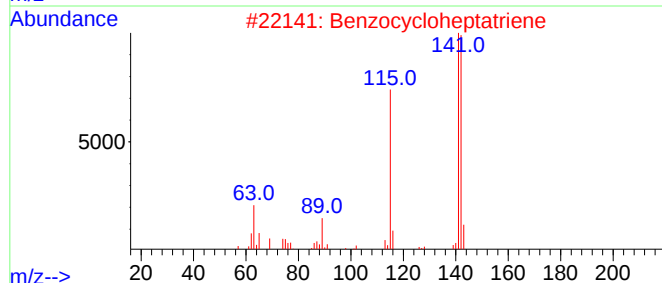
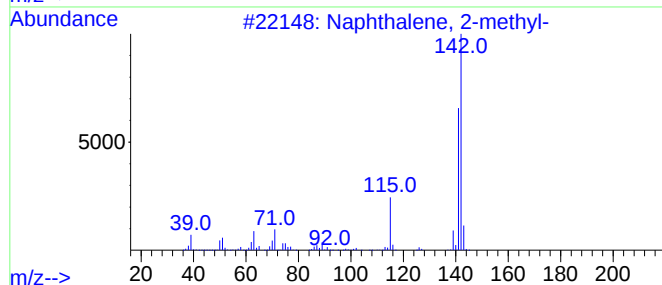
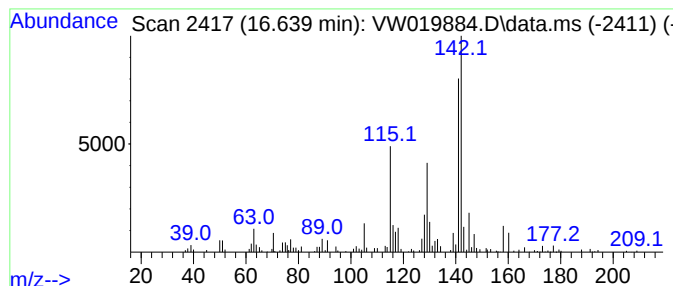
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Quant Title : SFAM01.0

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

Peak Number 80 Benzocycloheptatriene Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	1.62 ug/L	122472	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	70
2			Benzocycloheptatriene	142	C11H10	000264-09-5	70
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	62
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019884.D
 Acq On : 24 Aug 2021 18:53
 Operator : SY/VA
 Sample : M3526-09
 Misc : 6.16g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7D1

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...	6.885	2.7	ug/L	181941	1	8.848	1687630	25.0	
(DEL) Alkane: S...	8.037	10.5	ug/L	711448	1	8.848	1687630	25.0	
(DEL) Alkane: S...	8.433	8.0	ug/L	537380	1	8.848	1687630	25.0	
(DEL) Alkane: C...	8.512	3.4	ug/L	231874	1	8.848	1687630	25.0	
(DEL) Alkane: C...	8.579	2.1	ug/L	142826	1	8.848	1687630	25.0	
(DEL) Alkane: S...	9.153	1.4	ug/L	91250	1	8.848	1687630	25.0	
(DEL) Alkane: S...	9.384	10.7	ug/L	719222	1	8.848	1687630	25.0	
(DEL) Alkane: C...	9.610	49.6	ug/L	3345900	1	8.848	1687630	25.0	
(DEL) Alkane: C...	9.756	25.7	ug/L	1734450	1	8.848	1687630	25.0	
(DEL) Alkane: S...	9.902	8.9	ug/L	599419	1	8.848	1687630	25.0	
(DEL) Alkane: S...	9.945	11.4	ug/L	768085	1	8.848	1687630	25.0	
(DEL) Alkane: S...	10.079	8.0	ug/L	538707	1	8.848	1687630	25.0	
(DEL) Alkane: S...	10.128	6.7	ug/L	453770	1	8.848	1687630	25.0	
(DEL) Alkane: C...	10.213	8.4	ug/L	566524	1	8.848	1687630	25.0	
(DEL) Alkane: C...	10.451	3.3	ug/L	233690	2	11.634	1795320	25.0	
(DEL) Alkane: C...	10.494	12.3	ug/L	879532	2	11.634	1795320	25.0	
(DEL) Alkane: C...	10.664	30.3	ug/L	2177150	2	11.634	1795320	25.0	
(DEL) Alkane: C...	10.762	11.8	ug/L	843892	2	11.634	1795320	25.0	
unknown-01	10.811	1.6	ug/L	116208	2	11.634	1795320	25.0	
(DEL) Alkane: S...	10.847	6.2	ug/L	445210	2	11.634	1795320	25.0	
(DEL) Alkane: S...	11.036	22.9	ug/L	1643120	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.110	5.6	ug/L	404646	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.146	6.8	ug/L	489389	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.231	91.6	ug/L	6580070	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.286	5.8	ug/L	419662	2	11.634	1795320	25.0	
(DEL) Alkane: S...	11.335	29.7	ug/L	2130230	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.384	3.9	ug/L	280756	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.439	28.1	ug/L	2015410	2	11.634	1795320	25.0	
(DEL) Alkane: S...	11.506	5.0	ug/L	361867	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.567	4.7	ug/L	336533	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.768	13.9	ug/L	999373	2	11.634	1795320	25.0	
(DEL) Alkane: S...	11.811	14.8	ug/L	1062420	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.871	25.1	ug/L	1800220	2	11.634	1795320	25.0	
(DEL) Alkane: C...	11.914	20.5	ug/L	1470410	2	11.634	1795320	25.0	
(DEL) Alkane: S...	11.975	7.8	ug/L	561170	2	11.634	1795320	25.0	
unknown-02	12.048	9.0	ug/L	648679	2	11.634	1795320	25.0	
(DEL) Alkane: C...	12.140	42.8	ug/L	3072270	2	11.634	1795320	25.0	
(DEL) Alkane: C...	12.225	10.4	ug/L	746892	2	11.634	1795320	25.0	
(DEL) Alkane: C...	12.304	12.3	ug/L	884350	2	11.634	1795320	25.0	
(DEL) Alkane: S...	12.365	40.5	ug/L	2906790	2	11.634	1795320	25.0	
(DEL) Alkane: C...	12.451	9.5	ug/L	681616	2	11.634	1795320	25.0	
(DEL) Alkane: S...	12.506	15.6	ug/L	1117090	2	11.634	1795320	25.0	
1-(1-Propynyl)c...	12.560	2.7	ug/L	195659	2	11.634	1795320	25.0	
unknown-03	12.621	4.6	ug/L	348557	3	13.560	1888270	25.0	
(DEL) Alkane: S...	12.780	28.1	ug/L	2119470	3	13.560	1888270	25.0	
unknown-04	12.859	13.4	ug/L	1013200	3	13.560	1888270	25.0	
2,4-Octadienoic...	12.938	38.4	ug/L	2900190	3	13.560	1888270	25.0	
(DEL) Alkane: C...	12.993	7.6	ug/L	574602	3	13.560	1888270	25.0	
(DEL) Alkane: S...	13.079	10.0	ug/L	752500	3	13.560	1888270	25.0	
Sulfurous acid,...	13.121	5.3	ug/L	404311	3	13.560	1888270	25.0	
(DEL) Alkane: S...	13.164	16.5	ug/L	1246970	3	13.560	1888270	25.0	
(DEL) Alkane: S...	13.292	2.8	ug/L	214079	3	13.560	1888270	25.0	

(DEL) Alkane: C...	13.444	19.0	ug/L	1435960	3	13.560	1888270	25.0
(DEL) Alkane: C...	13.694	6.7	ug/L	506108	3	13.560	1888270	25.0
Cyclohexaneprop...	13.920	2.3	ug/L	171820	3	13.560	1888270	25.0
Ketone, 2,2-dim...	13.975	1.9	ug/L	139668	3	13.560	1888270	25.0
unknown-05	14.066	1.3	ug/L	97798	3	13.560	1888270	25.0
o-Cymene	14.091	3.0	ug/L	230408	3	13.560	1888270	25.0
3-Phenylbut-1-ene	14.207	4.8	ug/L	366659	3	13.560	1888270	25.0
unknown-06	14.261	3.5	ug/L	262851	3	13.560	1888270	25.0
Cyclohexene, 1-...	14.316	2.0	ug/L	147376	3	13.560	1888270	25.0
unknown-07	14.383	10.6	ug/L	796887	3	13.560	1888270	25.0
Benzene, 1-meth...	14.493	1.3	ug/L	94449	3	13.560	1888270	25.0
1-Methyldecahyd...	14.548	7.0	ug/L	525875	3	13.560	1888270	25.0
Benzene, 2-ethe...	14.694	1.4	ug/L	103841	3	13.560	1888270	25.0
unknown-08	14.737	1.9	ug/L	142861	3	13.560	1888270	25.0
1,3-Cyclopentad...	14.792	8.8	ug/L	666657	3	13.560	1888270	25.0
(DEL) Alkane: S...	14.841	6.9	ug/L	520869	3	13.560	1888270	25.0
Naphthalene, 2-...	14.956	10.5	ug/L	794556	3	13.560	1888270	25.0
unknown-09	15.060	3.0	ug/L	225688	3	13.560	1888270	25.0
1H-Indene, 2,3-...	15.103	1.9	ug/L	146860	3	13.560	1888270	25.0
1H-Indene, 2,3-...	15.170	3.4	ug/L	257167	3	13.560	1888270	25.0
(DEL) Alkane: S...	15.322	5.0	ug/L	376084	3	13.560	1888270	25.0
unknown-10	15.651	3.9	ug/L	294202	3	13.560	1888270	25.0
(DEL) Alkane: S...	15.725	1.8	ug/L	138737	3	13.560	1888270	25.0
Benzene, 1,3,5-...	16.163	2.0	ug/L	151474	3	13.560	1888270	25.0
(DEL) Alkane: S...	16.279	1.5	ug/L	112376	3	13.560	1888270	25.0
Benzocyclohepta...	16.639	1.6	ug/L	122472	3	13.560	1888270	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW7D1