

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018687.D
 Acq On : 20 Apr 2021 13:36
 Operator : SY/VA
 Sample : M2065-08
 Misc : 3.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG561

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\SFAMWLM041421SMA.M
 Title : SFAM01.0

Signal : TIC: VW018687.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	37	41	50	rBV2	11620	29162	1.89%	0.120%
2	2.355	65	74	86	rVB	89571	176807	11.45%	0.730%
3	2.501	94	98	104	rBV2	5767	11580	0.75%	0.048%
4	2.892	154	162	178	rVB	67396	170207	11.03%	0.703%
5	3.032	180	185	190	rVB7	2456	4997	0.32%	0.021%
6	3.391	237	244	256	rVB6	3477	9196	0.60%	0.038%
7	4.019	335	347	358	rBV	114694	342054	22.16%	1.412%
8	4.129	358	365	376	rVB	23136	63594	4.12%	0.263%
9	4.403	398	410	411	rBV2	13489	35874	2.32%	0.148%
10	4.916	482	494	510	rBV	38510	140443	9.10%	0.580%
11	5.434	571	579	585	rVV7	1871	5423	0.35%	0.022%
12	5.793	627	638	652	rVV5	4834	16338	1.06%	0.067%
13	5.946	652	663	675	rVB4	17742	54055	3.50%	0.223%
14	6.903	808	820	829	rBV8	2738	12075	0.78%	0.050%
15	6.982	829	833	841	rVB5	1761	3782	0.25%	0.016%
16	7.080	841	849	854	rBV	45983	125739	8.15%	0.519%
17	7.141	854	859	874	rVB2	43417	143583	9.30%	0.593%
18	7.549	919	926	929	rBV5	1464	3418	0.22%	0.014%
19	7.653	932	943	960	rBV	240118	597403	38.70%	2.466%
20	7.958	983	993	999	rVV7	5935	16908	1.10%	0.070%
21	8.037	999	1006	1014	rVV4	6108	15350	0.99%	0.063%
22	8.159	1019	1026	1031	rBV5	1661	3665	0.24%	0.015%
23	8.275	1031	1045	1063	rVV3	465492	1543631	100.00%	6.373%
24	8.433	1063	1071	1072	rVV7	4066	8772	0.57%	0.036%
25	8.476	1073	1078	1089	rVV2	12300	37108	2.40%	0.153%
26	8.567	1089	1093	1101	rVB5	2732	6501	0.42%	0.027%
27	8.701	1107	1115	1125	rBV3	2997	7500	0.49%	0.031%
28	8.842	1128	1138	1152	rBV	514556	1016713	65.87%	4.197%
29	9.073	1166	1176	1185	rBV2	18955	43331	2.81%	0.179%
30	9.275	1196	1209	1217	rBV	313180	672935	43.59%	2.778%
31	9.470	1236	1241	1246	rVB5	1836	3395	0.22%	0.014%
32	9.610	1254	1264	1270	rVB3	12081	29920	1.94%	0.124%
33	9.762	1281	1289	1297	rVB3	17355	37090	2.40%	0.153%
34	9.890	1299	1310	1317	rBV4	23641	56892	3.69%	0.235%
35	9.945	1317	1319	1326	rVV4	5785	8746	0.57%	0.036%
36	10.037	1327	1334	1340	rVV2	76339	144117	9.34%	0.595%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Title : SFAM01.0

37	10.079	1340	1341	1347	rVB5	8811	11333	0.73%	0.047%
38	10.213	1357	1363	1365	rBV3	13168	23741	1.54%	0.098%
39	10.250	1365	1369	1374	rVV	27844	48753	3.16%	0.201%
40	10.323	1374	1381	1389	rVV	456430	813112	52.68%	3.357%
41	10.390	1389	1392	1399	rVB	8111	13734	0.89%	0.057%
42	10.506	1404	1411	1417	rVB8	5576	13843	0.90%	0.057%
43	10.579	1417	1423	1427	rBV2	61947	111747	7.24%	0.461%
44	10.622	1427	1430	1435	rVV2	20788	33623	2.18%	0.139%
45	10.707	1435	1444	1450	rVV	77357	137900	8.93%	0.569%
46	10.774	1450	1455	1458	rVV2	10333	19103	1.24%	0.079%
47	10.805	1458	1460	1464	rVV4	6255	9234	0.60%	0.038%
48	10.847	1464	1467	1471	rVB4	5476	8294	0.54%	0.034%
49	10.927	1471	1480	1489	rBV	184696	334862	21.69%	1.382%
50	11.067	1499	1503	1507	rVB	31839	48157	3.12%	0.199%
51	11.110	1507	1510	1517	rVB	15201	23511	1.52%	0.097%
52	11.177	1518	1521	1524	rBV3	5261	6228	0.40%	0.026%
53	11.231	1524	1530	1534	rVV3	20448	37843	2.45%	0.156%
54	11.286	1534	1539	1543	rVV2	25018	42787	2.77%	0.177%
55	11.329	1543	1546	1552	rVB4	14506	23266	1.51%	0.096%
56	11.439	1557	1564	1573	rVB	83480	160070	10.37%	0.661%
57	11.542	1573	1581	1586	rBV5	15802	39701	2.57%	0.164%
58	11.634	1586	1596	1604	rBV	551529	995176	64.47%	4.109%
59	11.695	1604	1606	1610	rVB2	14509	18117	1.17%	0.075%
60	11.768	1614	1618	1621	rVB4	6050	7775	0.50%	0.032%
61	11.823	1621	1627	1632	rBV2	69798	137409	8.90%	0.567%
62	11.878	1632	1636	1646	rVB5	43471	107069	6.94%	0.442%
63	11.975	1646	1652	1659	rBV3	56493	164321	10.65%	0.678%
64	12.067	1664	1667	1671	rVB	17158	21418	1.39%	0.088%
65	12.122	1671	1676	1686	rBV5	88039	212904	13.79%	0.879%
66	12.225	1686	1693	1700	rVB4	69082	182469	11.82%	0.753%
67	12.359	1700	1715	1722	rBV	326784	838515	54.32%	3.462%
68	12.451	1722	1730	1736	rBV4	129088	324123	21.00%	1.338%
69	12.567	1746	1749	1751	rBV2	13951	18750	1.21%	0.077%
70	12.609	1751	1756	1762	rVB5	110235	256362	16.61%	1.058%
71	12.695	1762	1770	1775	rBV2	356817	764604	49.53%	3.157%
72	12.750	1776	1779	1782	rVV4	35778	48871	3.17%	0.202%
73	12.859	1790	1797	1804	rBV5	219444	630726	40.86%	2.604%
74	12.969	1804	1815	1824	rVV6	262884	1003647	65.02%	4.143%
75	13.060	1825	1830	1836	rVV3	235080	633092	41.01%	2.614%
76	13.127	1836	1841	1845	rVV	385185	615129	39.85%	2.540%

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77	13.188	1845	1851	1860	rVV3	196344	569510	36.89%	2.351%
78	13.262	1860	1863	1865	rBV3	92488	123345	7.99%	0.509%
79	13.292	1865	1868	1872	rVV2	219392	345839	22.40%	1.428%
80	13.341	1873	1876	1880	rVB2	133265	182066	11.79%	0.752%
81	13.384	1880	1883	1884	rBV3	69507	82172	5.32%	0.339%
82	13.414	1884	1888	1896	rVB5	150550	392693	25.44%	1.621%
83	13.481	1896	1899	1903	rBV2	134988	177201	11.48%	0.732%
84	13.554	1908	1911	1919	rVB3	270051	489193	31.69%	2.020%
85	13.694	1928	1934	1938	rBV5	196868	399695	25.89%	1.650%
86	13.859	1956	1961	1968	rBV5	282394	767925	49.75%	3.170%
87	13.932	1969	1973	1977	rVB3	159706	238570	15.46%	0.985%
88	13.981	1977	1981	1984	rBV4	165171	245961	15.93%	1.015%
89	14.188	2012	2015	2020	rVB	230016	311819	20.20%	1.287%
90	14.261	2022	2027	2033	rVB3	377284	642250	41.61%	2.651%
91	14.316	2033	2036	2041	rBV6	108393	202439	13.11%	0.836%
92	14.383	2042	2047	2050	rBV2	369412	594708	38.53%	2.455%
93	14.487	2061	2064	2066	rBV2	82962	111294	7.21%	0.459%
94	14.548	2067	2074	2078	rVV4	283623	720339	46.67%	2.974%
95	14.658	2089	2092	2096	rBV	212749	272369	17.64%	1.124%
96	14.798	2111	2115	2119	rBV4	217040	417658	27.06%	1.724%
97	14.847	2119	2123	2128	rVB3	395852	693492	44.93%	2.863%
98	15.395	2208	2213	2217	rBV5	274690	591389	38.31%	2.441%
99	15.566	2237	2241	2247	rBV3	215285	462849	29.98%	1.911%
100	15.731	2265	2268	2275	rVB4	335670	647967	41.98%	2.675%

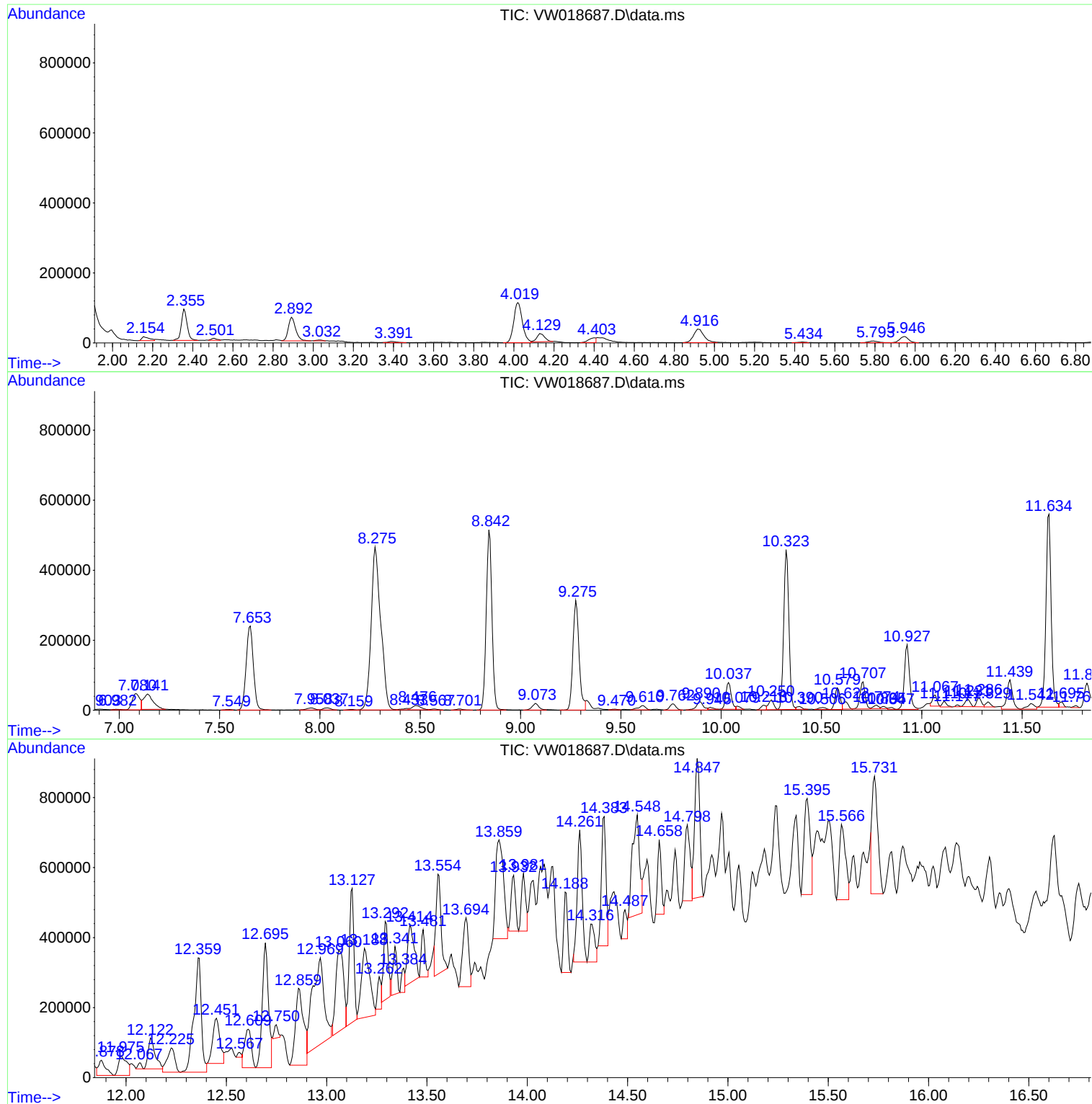
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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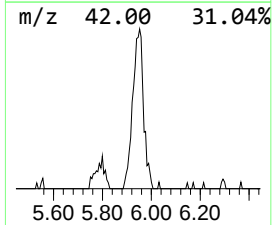
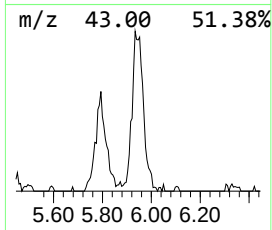
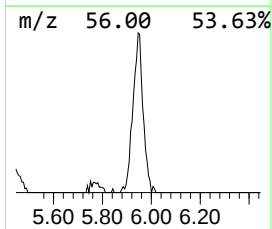
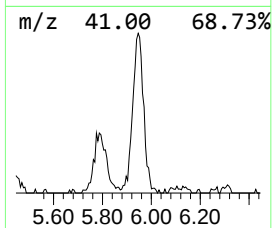
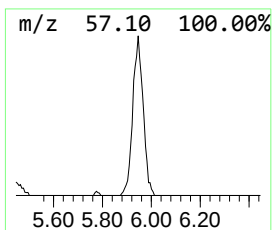
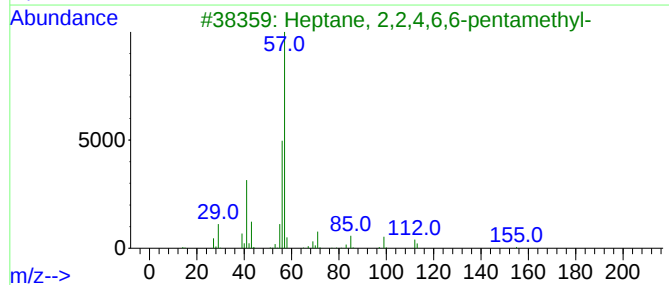
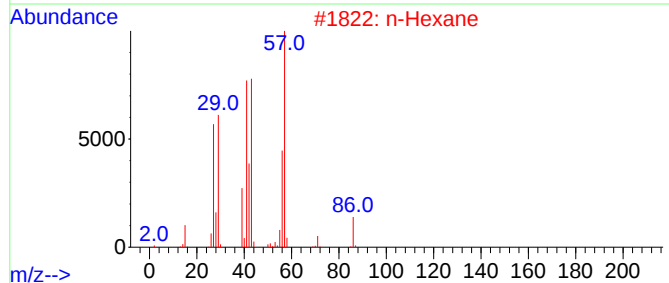
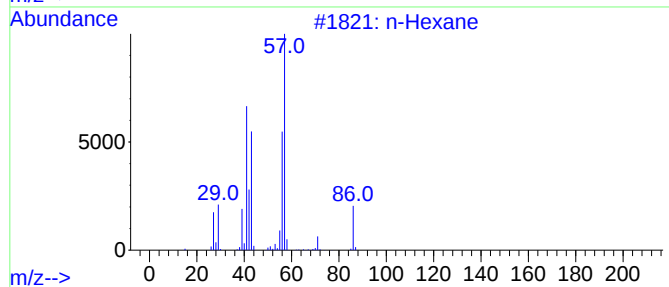
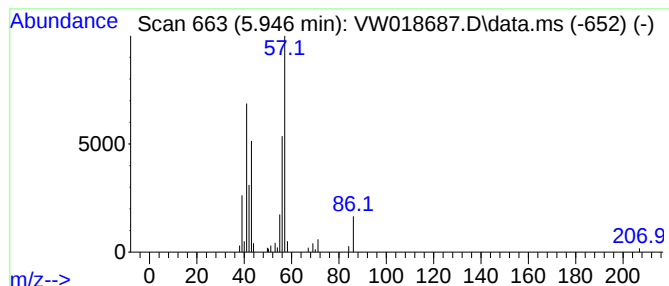
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	1.33 ug/L	54055	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane			86	C6H14	000110-54-3	87
2	n-Hexane			86	C6H14	000110-54-3	78
3	Heptane, 2,2,4,6,6-pentamethyl-			170	C12H26	013475-82-6	42
4	n-Hexane			86	C6H14	000110-54-3	42
5	Heptane, 2,2-dimethyl-			128	C9H20	001071-26-7	40



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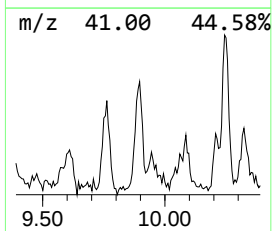
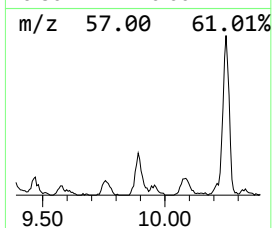
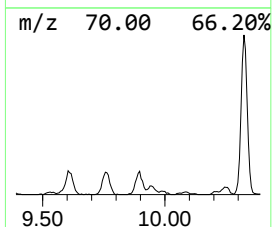
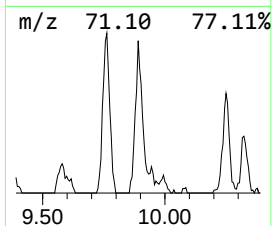
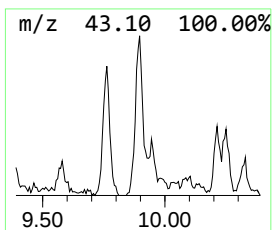
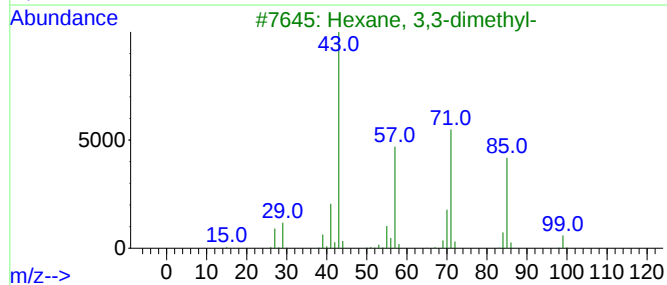
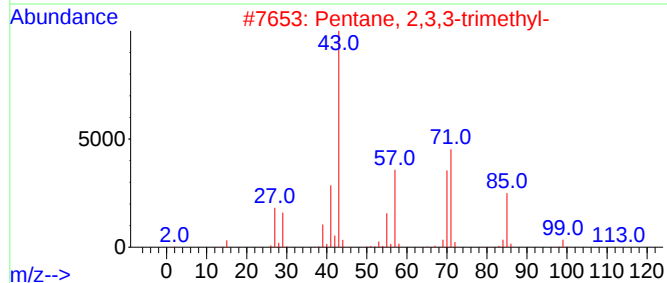
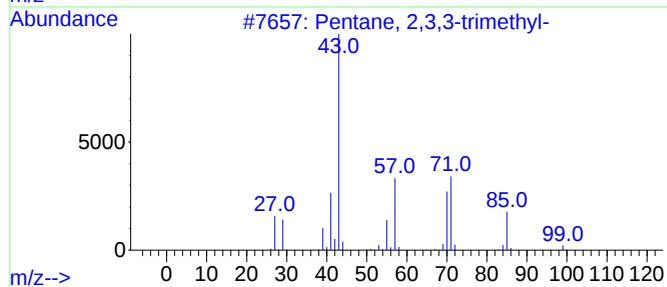
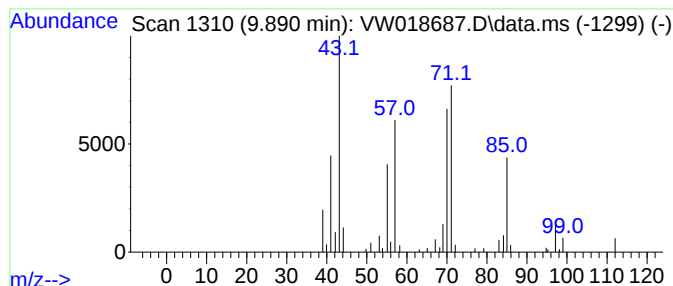
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	1.40 ug/L	56892	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
4			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	50
5			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50



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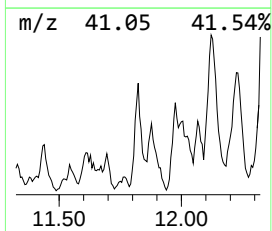
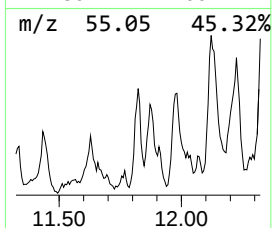
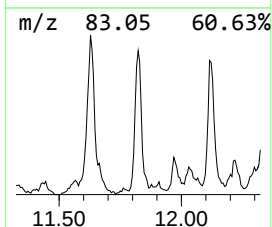
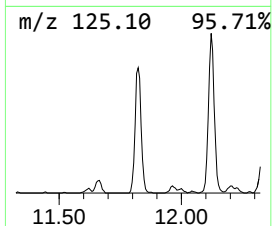
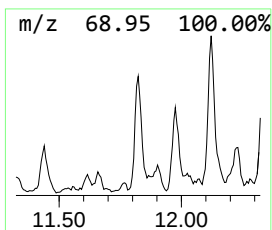
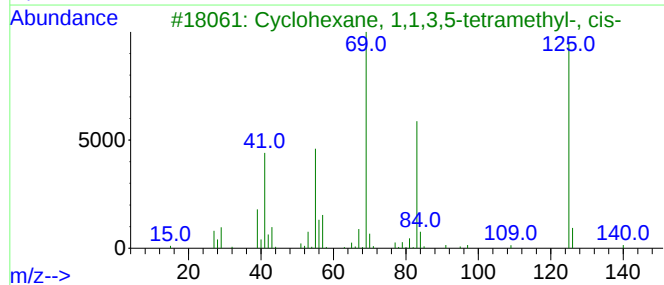
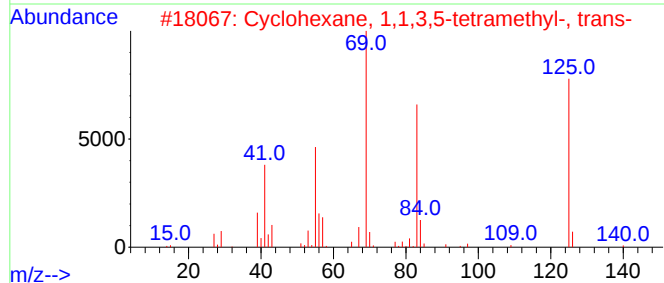
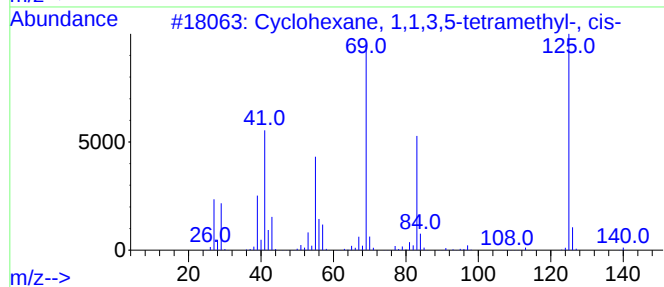
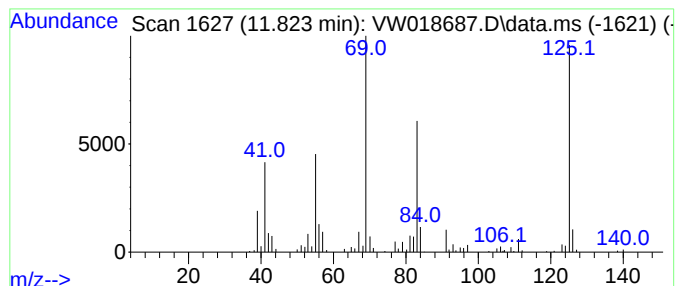
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic11.823 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.823	3.45 ug/L	137409	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	87
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	87
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	80
4			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	59
5			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

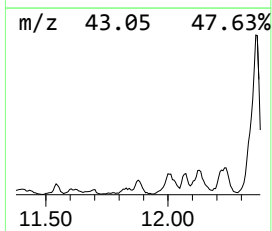
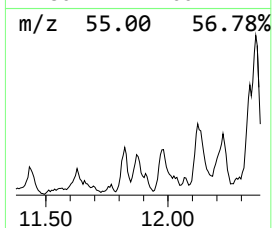
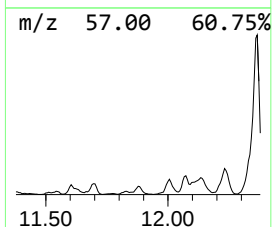
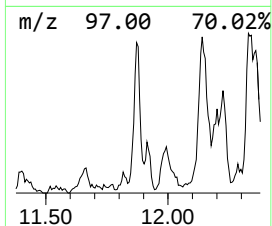
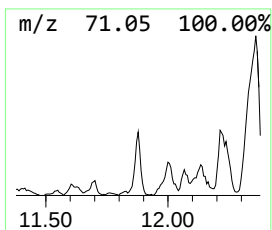
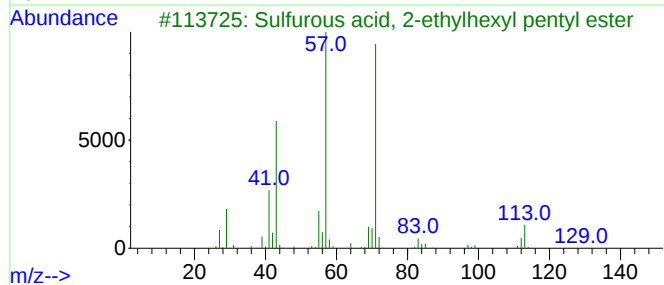
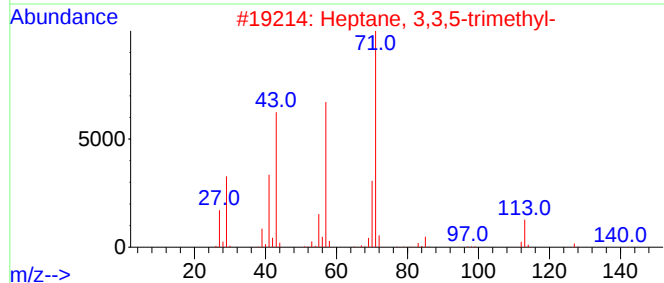
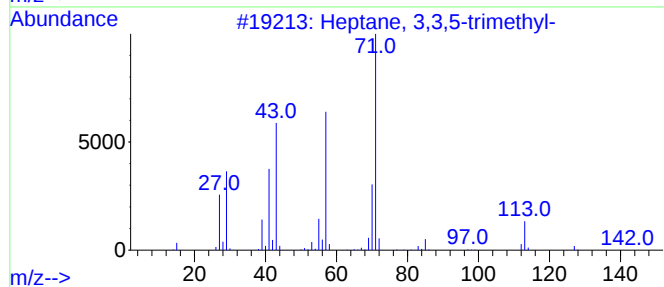
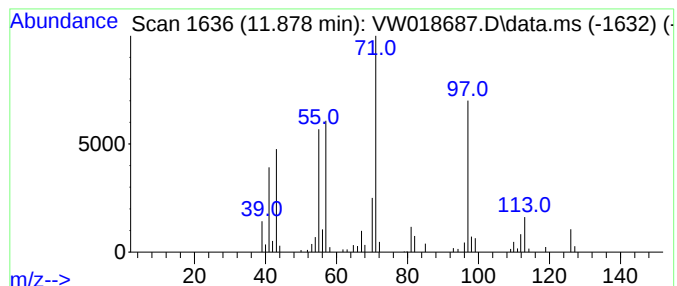
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.878	2.69 ug/L	107069	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
2			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
3			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	43
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	43
5			2-Hepten-4-ol	114	C7H14O	004798-59-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

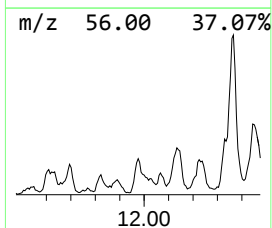
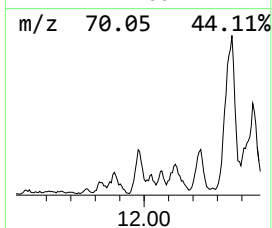
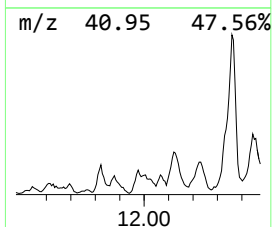
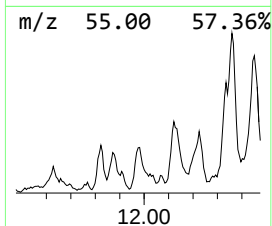
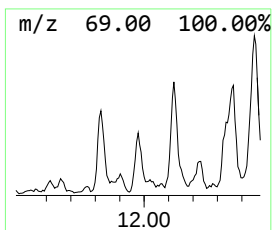
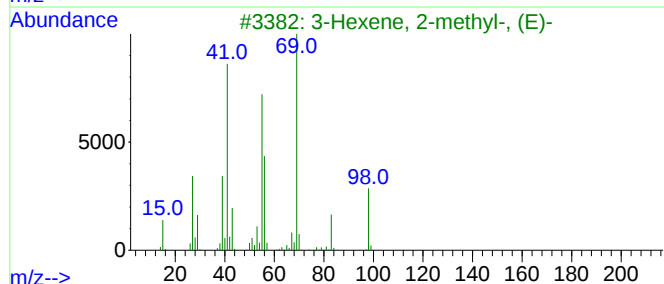
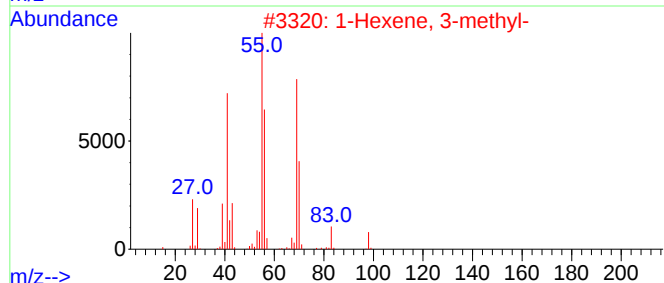
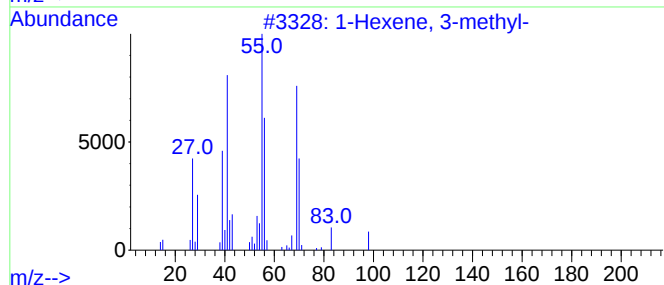
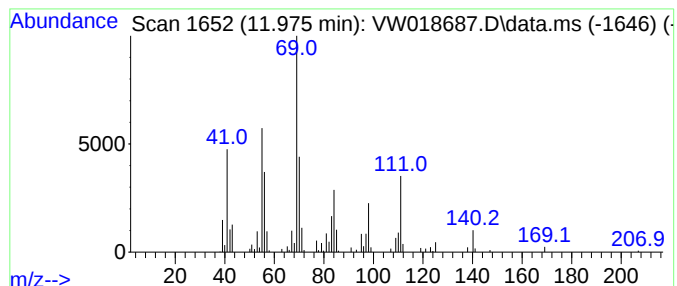
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MSVOA_W
ClientSampled :
BG561

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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.975	4.13 ug/L	164321	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	58
2	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	52
3	3-Hexene, 2-methyl-, (E)-		98	C7H14	000692-24-0	49
4	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	43
5	1-Hexene, 3,3-dimethyl-		112	C8H16	003404-77-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

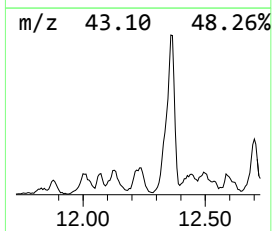
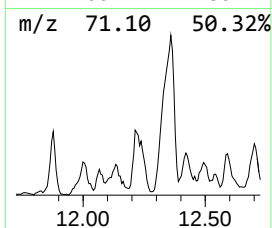
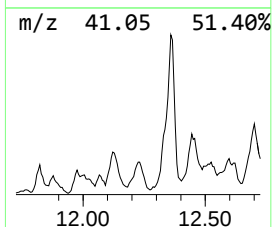
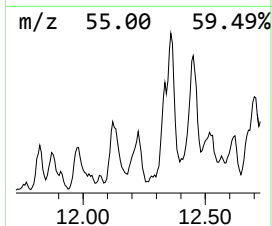
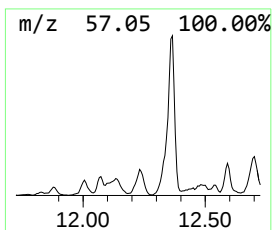
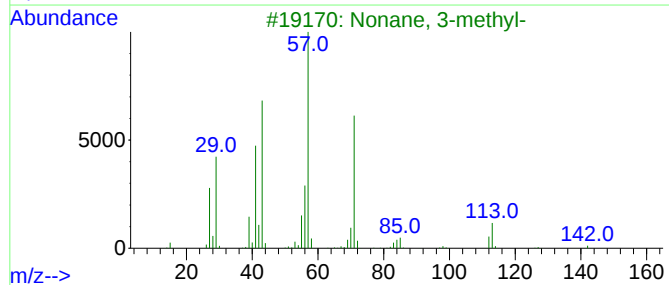
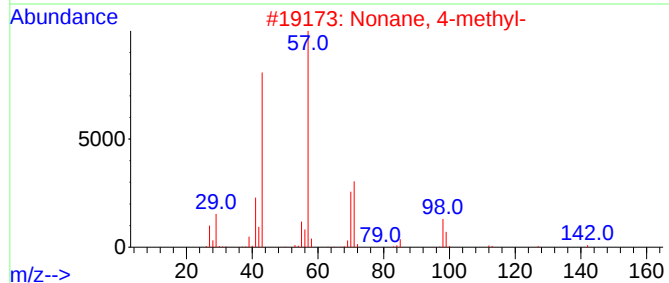
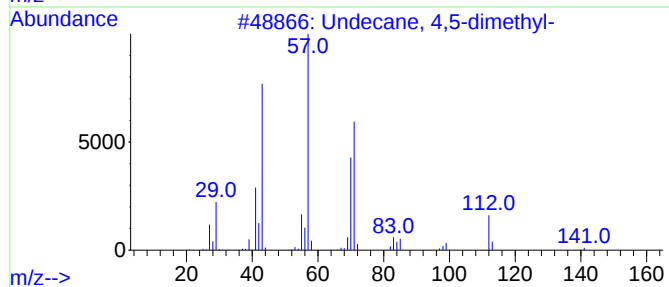
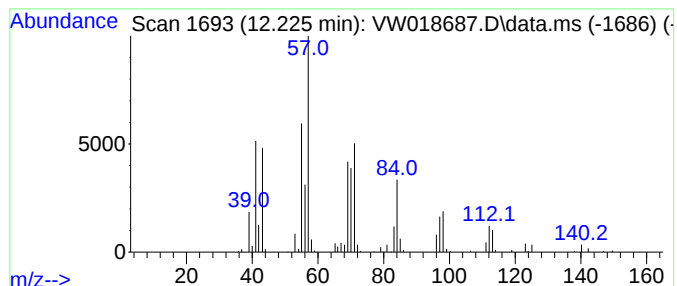
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.225	4.58 ug/L	182469	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	46
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	46
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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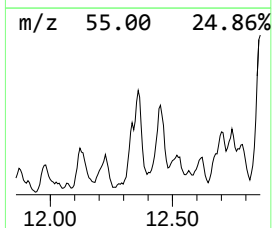
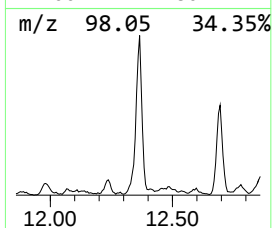
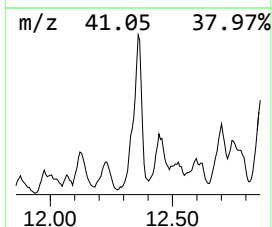
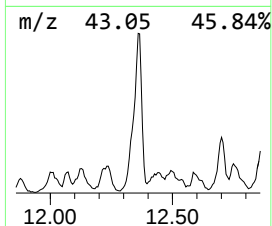
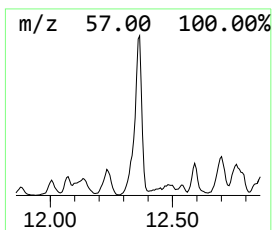
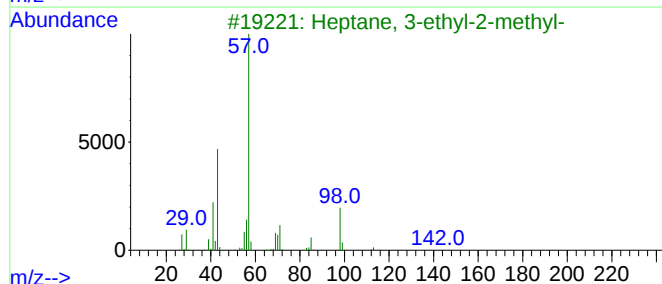
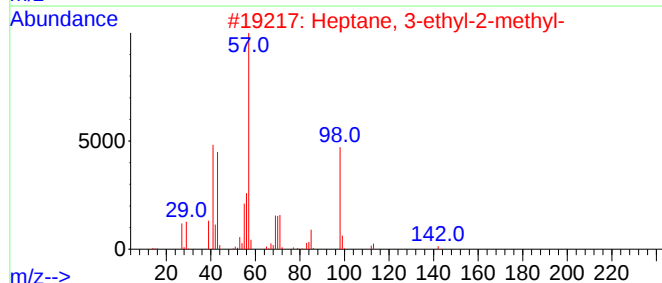
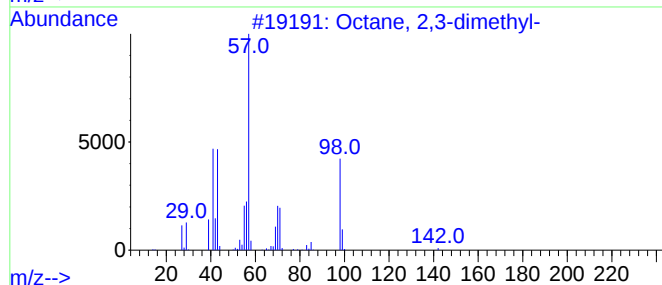
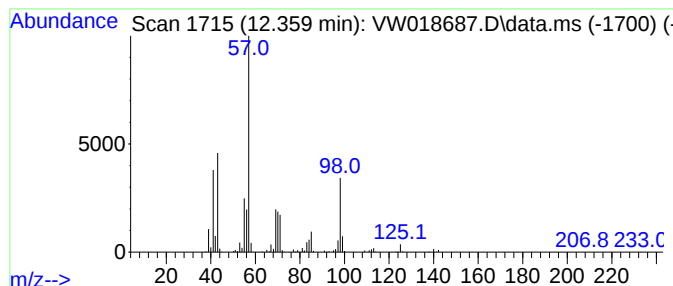
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	21.06 ug/L	838515	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-			142	C10H22	007146-60-3	81
2	Heptane, 3-ethyl-2-methyl-			142	C10H22	014676-29-0	72
3	Heptane, 3-ethyl-2-methyl-			142	C10H22	014676-29-0	72
4	Heptane, 3-ethyl-2-methyl-			142	C10H22	014676-29-0	72
5	Octane, 2,3-dimethyl-			142	C10H22	007146-60-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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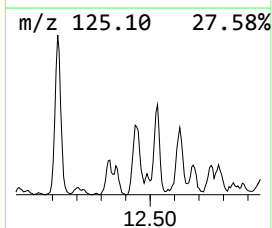
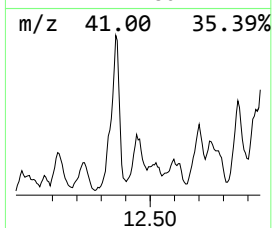
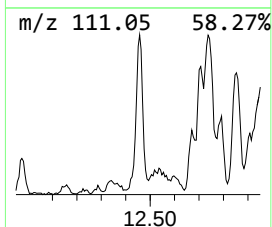
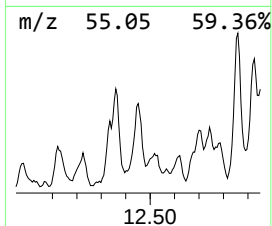
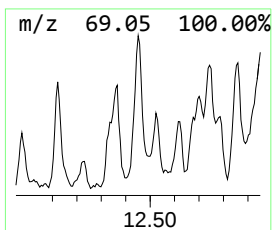
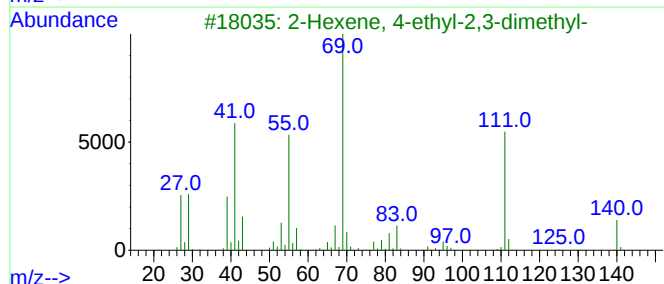
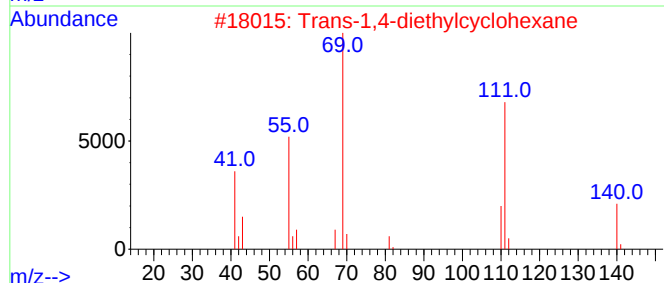
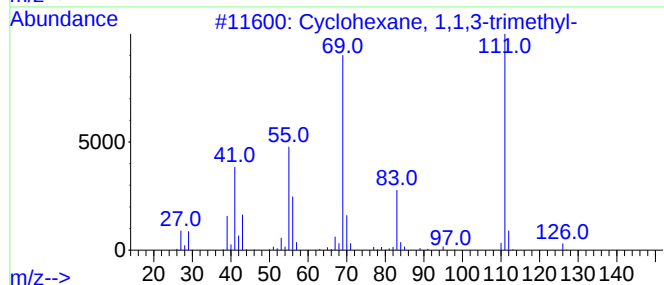
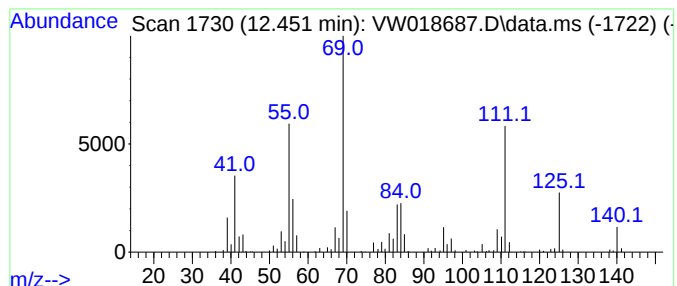
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Cyclic12.451 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	8.14 ug/L	324123	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
2			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	49
3			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49
4			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	46
5			2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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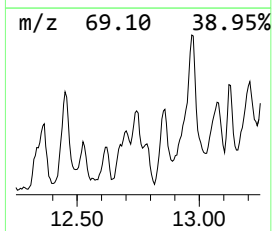
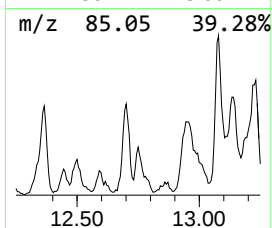
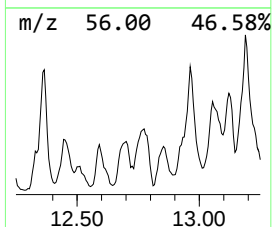
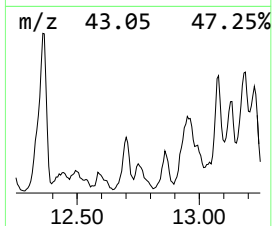
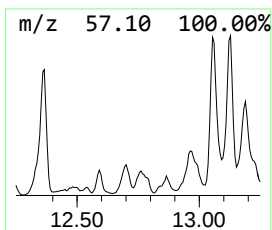
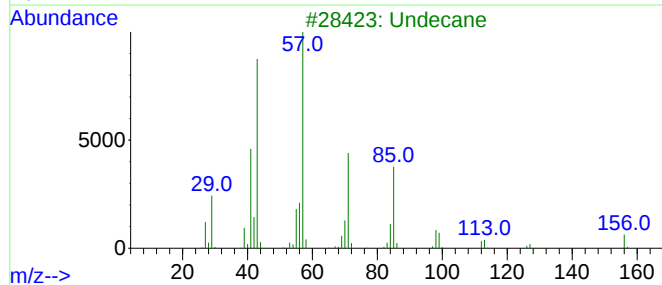
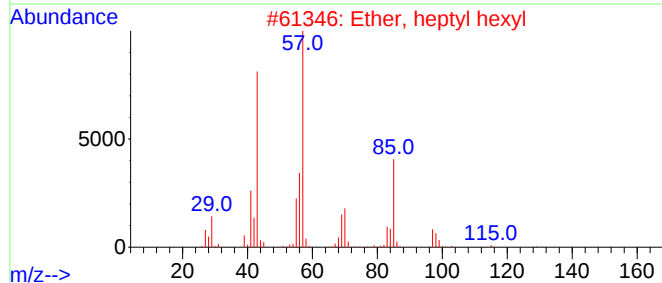
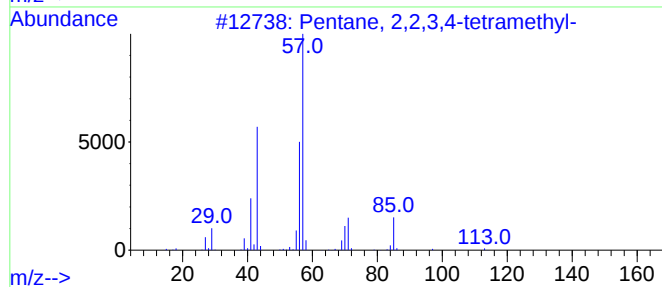
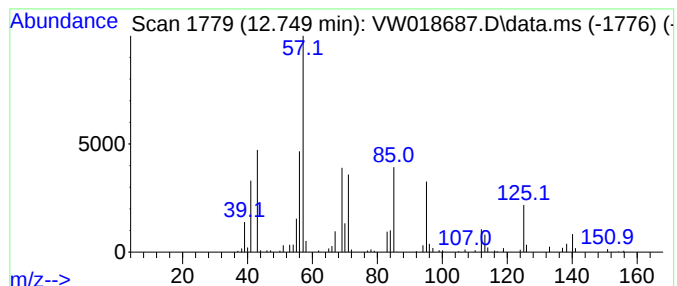
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.749	2.50 ug/L	48871	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
2		Ether, heptyl hexyl	200	C13H28O	007289-40-9	43
3		Undecane	156	C11H24	001120-21-4	38
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	38
5		Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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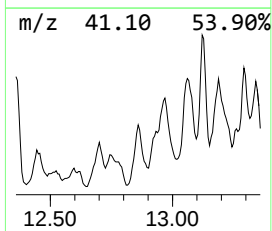
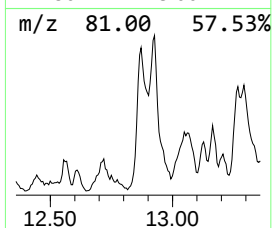
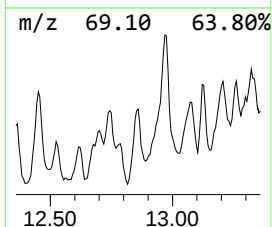
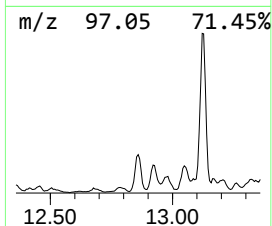
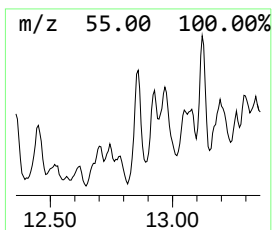
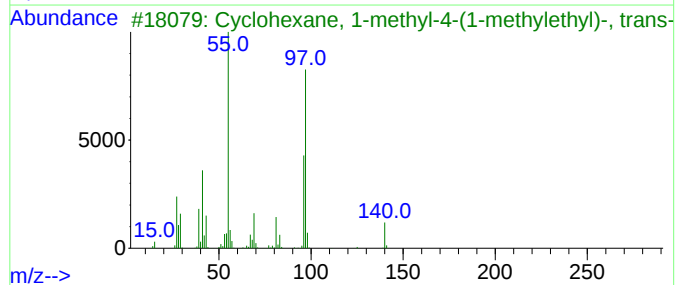
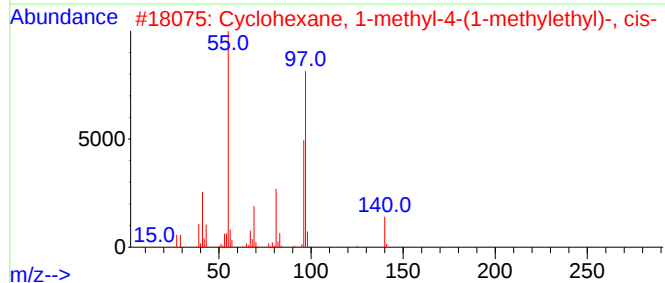
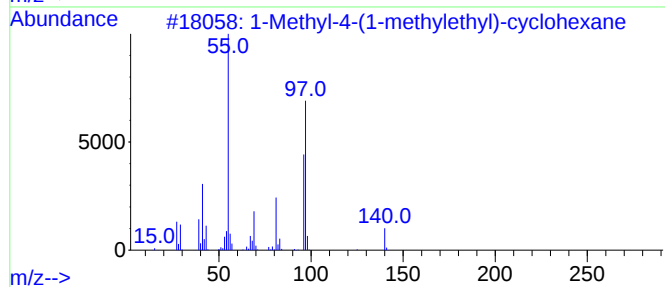
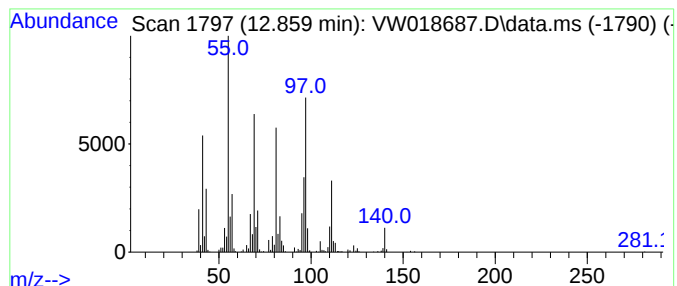
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Cyclic12.859 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	32.23 ug/L	630726	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	49
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47
5			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

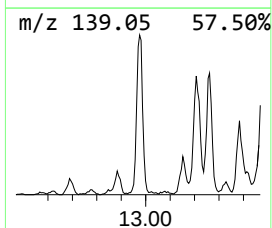
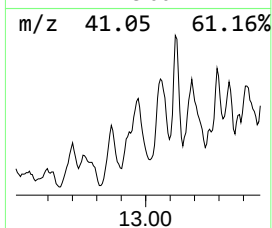
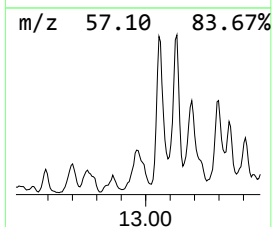
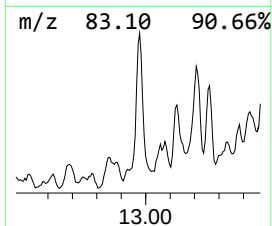
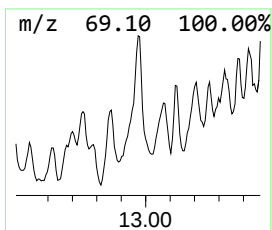
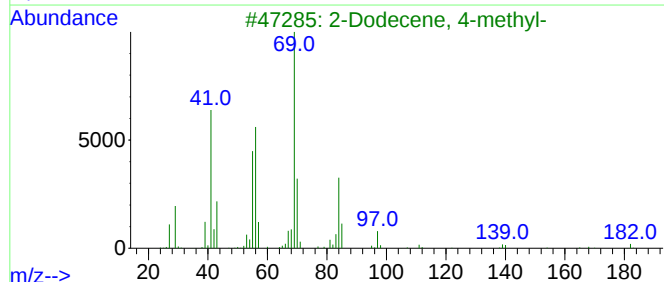
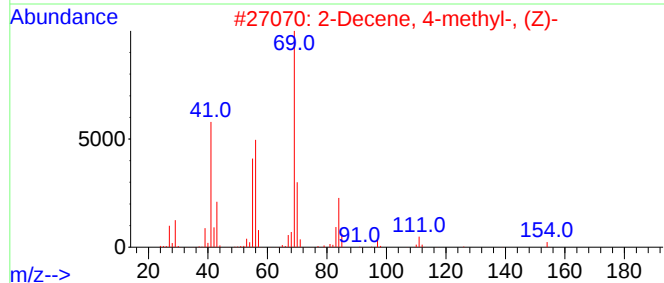
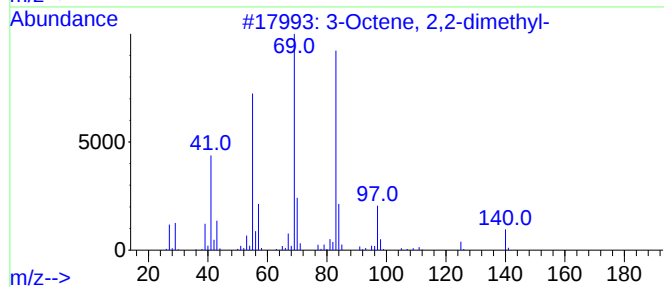
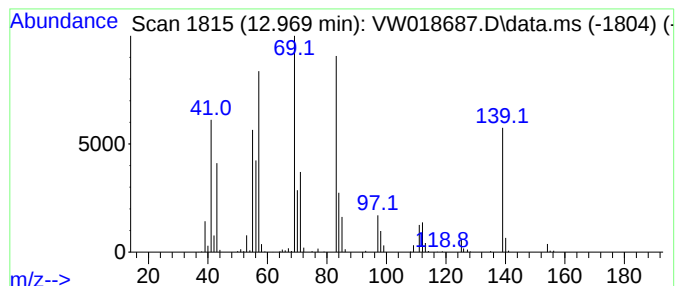
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.969	51.29 ug/L	1003650	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	47
2		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	43
3		2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	43
4		3-Undecene, 5-methyl-	168	C12H24	1000061-84-1	38
5		1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

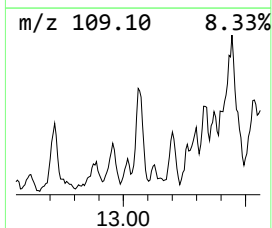
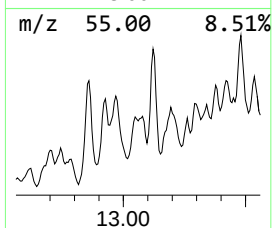
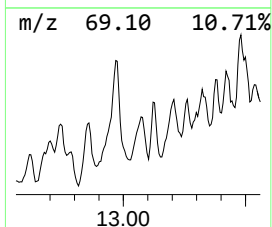
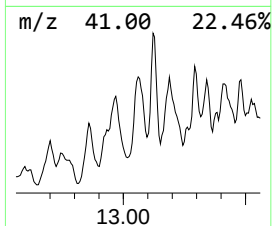
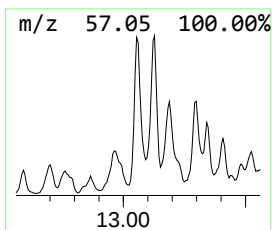
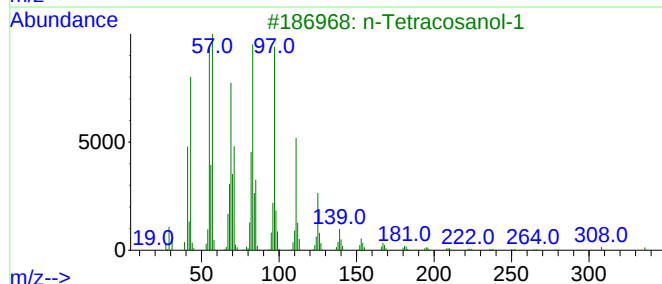
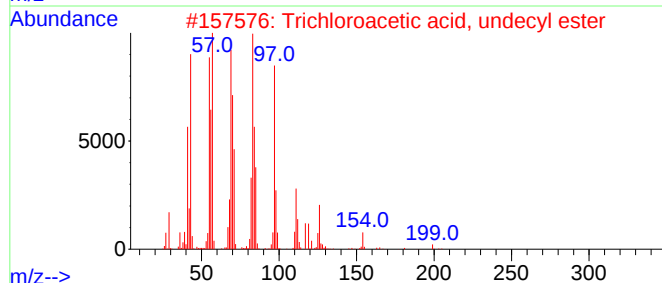
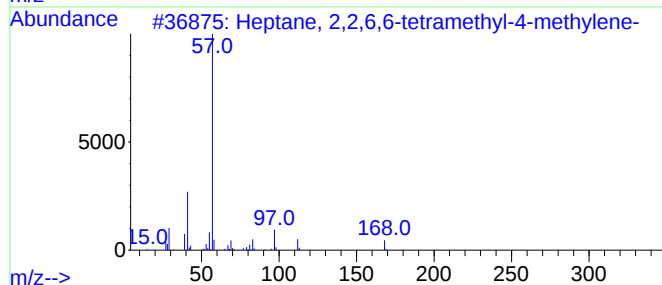
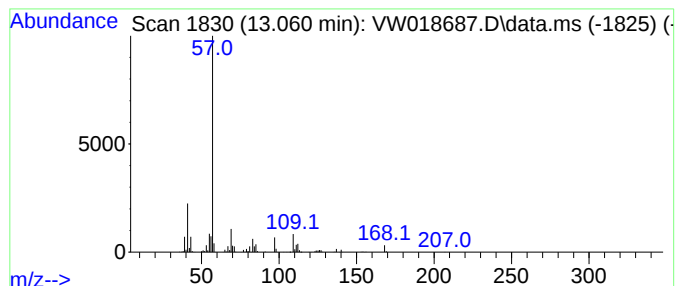
Instrument :
MSVOA_W
ClientSampleId :
BG561

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.060	32.35 ug/L	633092	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,2,6,6-tetramethyl-4-m...		168	C12H24	000141-70-8	55
2	Trichloroacetic acid, undecyl ester		316	C13H23Cl3O2	074339-49-4	47
3	n-Tetracosanol-1		354	C24H50O	000506-51-4	43
4	Oxirane, [(dodecyloxy)methyl]-		242	C15H30O2	002461-18-9	43
5	Nonane, 2,2,3-trimethyl-		170	C12H26	055499-04-2	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

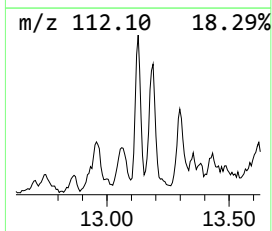
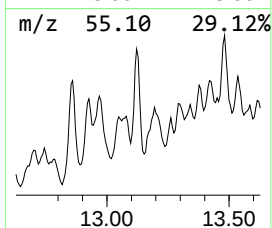
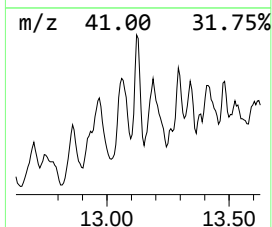
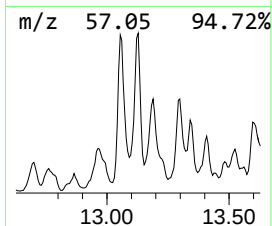
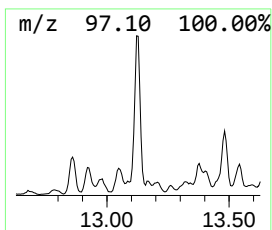
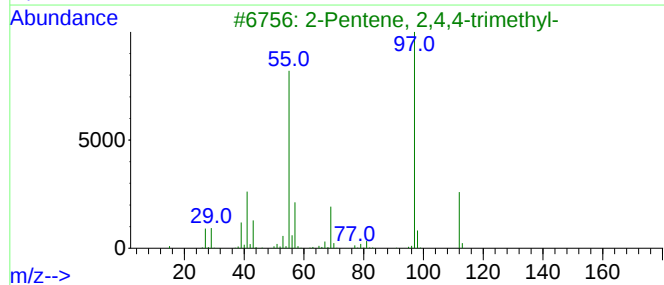
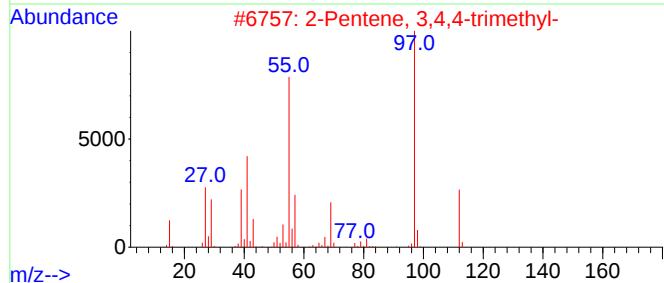
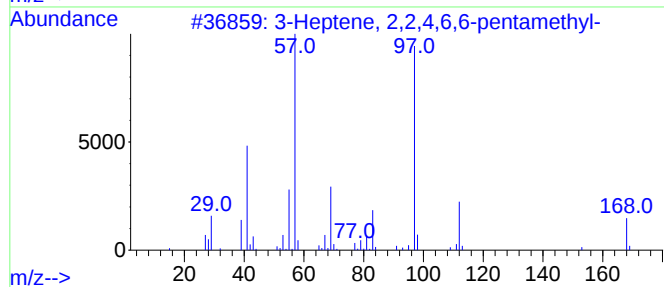
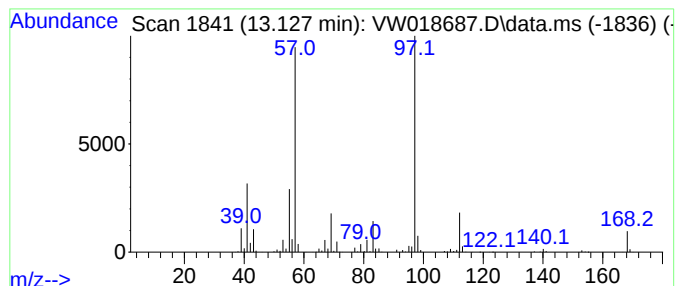
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	31.44 ug/L	615129	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	90
2		2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	59
3		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	59
4		Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	53
5		1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

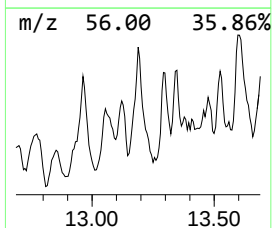
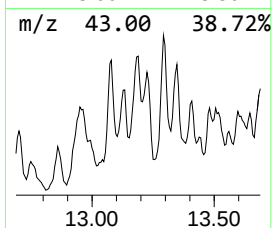
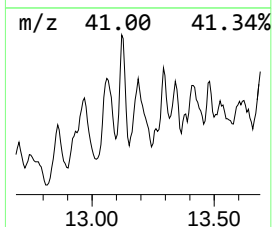
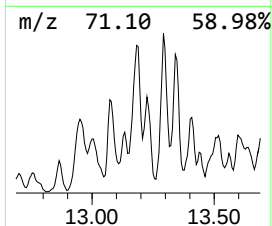
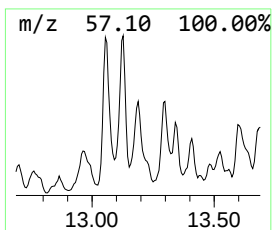
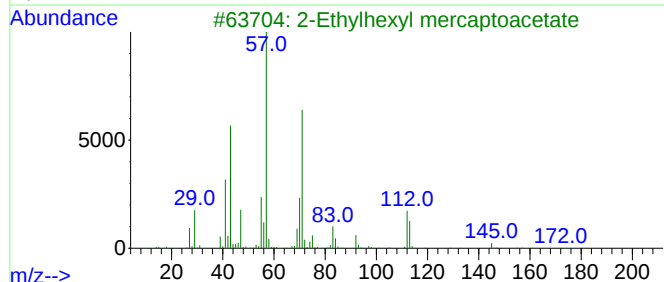
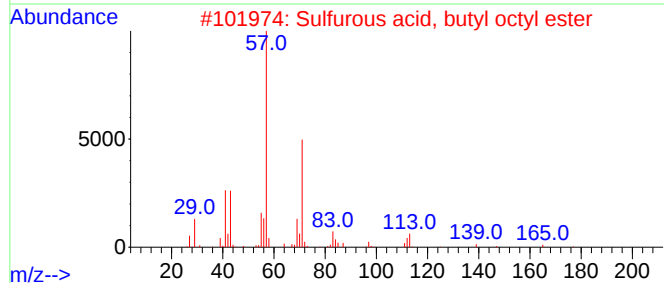
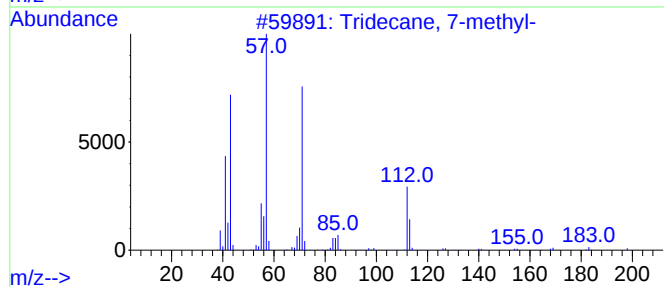
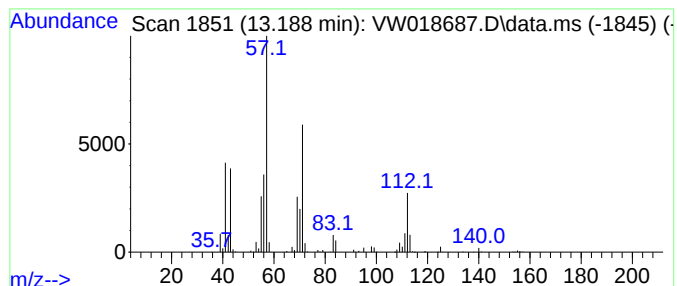
Instrument :
MSVOA_W
ClientSampled :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.188	29.10 ug/L	569510	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-		198	C14H30	026730-14-3	53
2	Sulfurous acid, butyl octyl ester		250	C12H26O3S	1000309-17-5	50
3	2-Ethylhexyl mercaptoacetate		204	C10H20O2S	007659-86-1	50
4	Decane, 5,6-dipropyl-		226	C16H34	119209-20-0	50
5	Octane, 2,3,6-trimethyl-		156	C11H24	062016-33-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

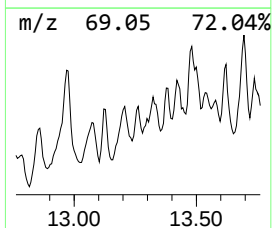
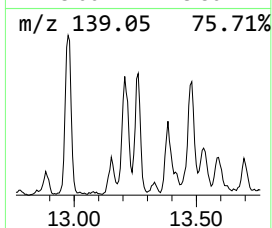
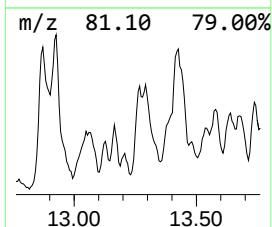
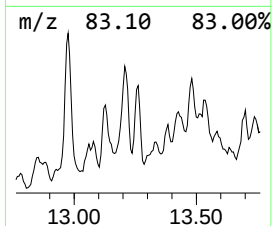
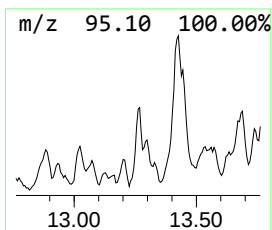
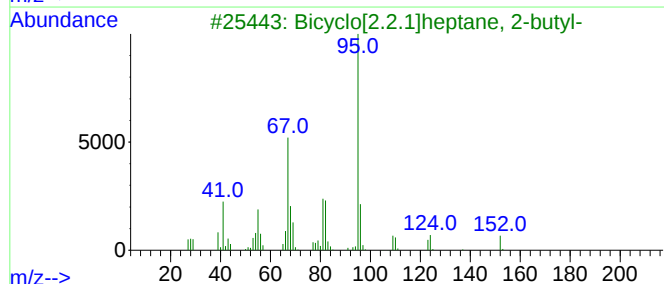
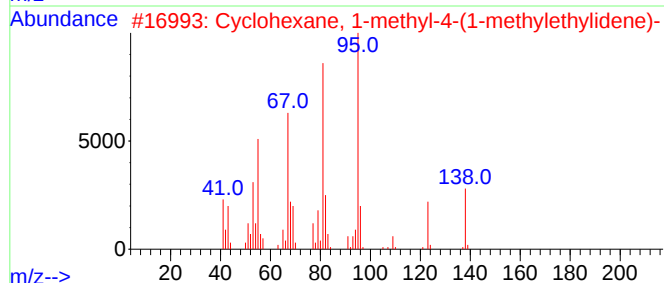
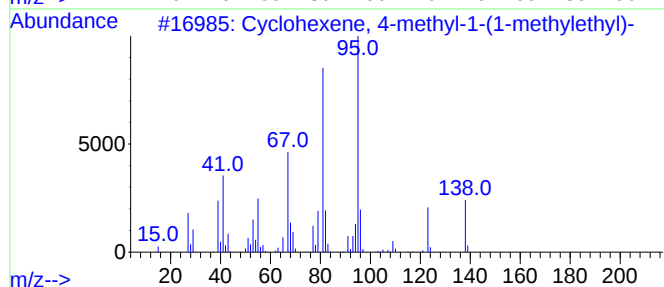
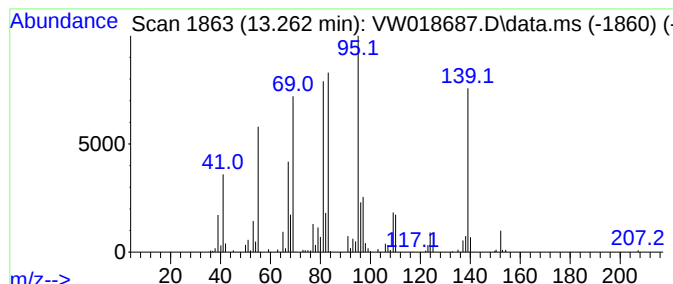
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.262	6.30 ug/L	123345	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	45
2			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	38
3			Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	25
4			Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	25
5			Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

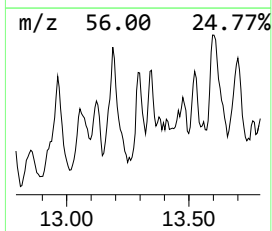
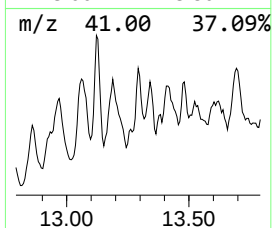
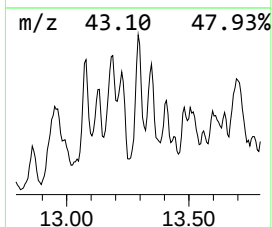
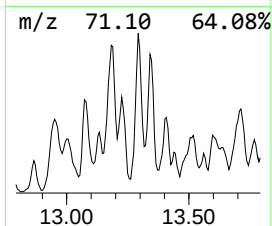
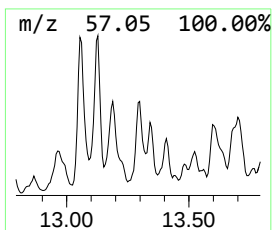
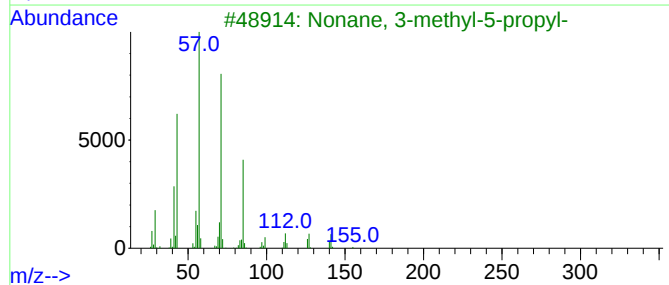
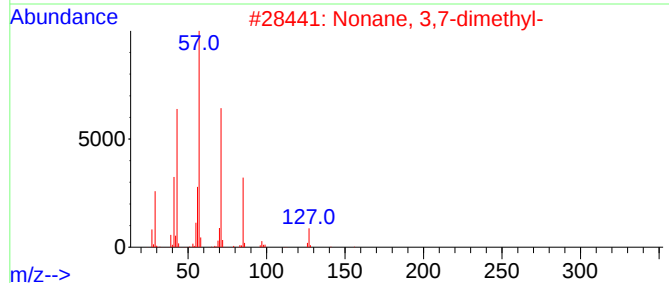
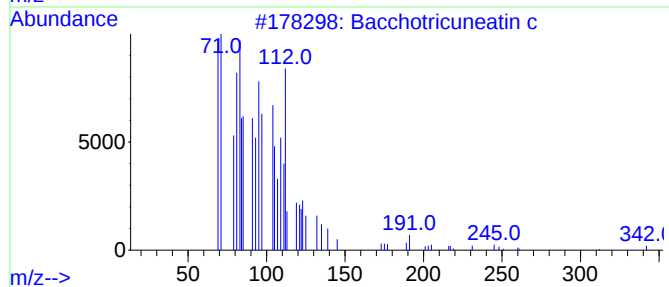
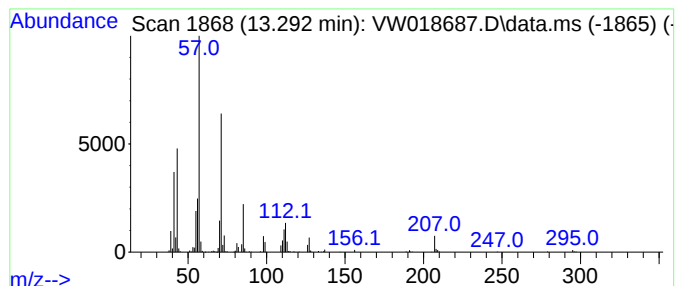
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Bacchotricuneatin c Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	17.67 ug/L	345839	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
3			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
5			Undecane, 6-ethyl-	184	C13H28	017312-60-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

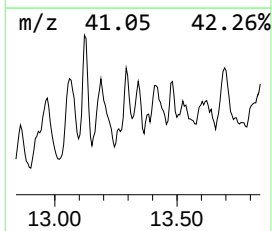
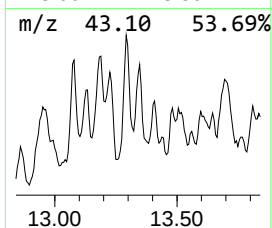
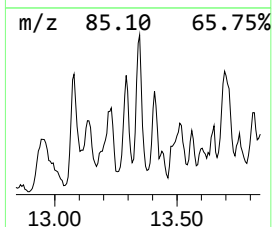
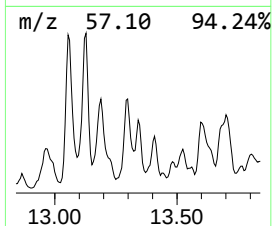
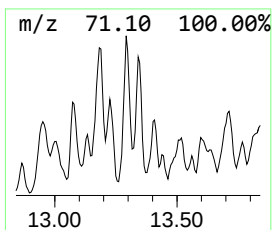
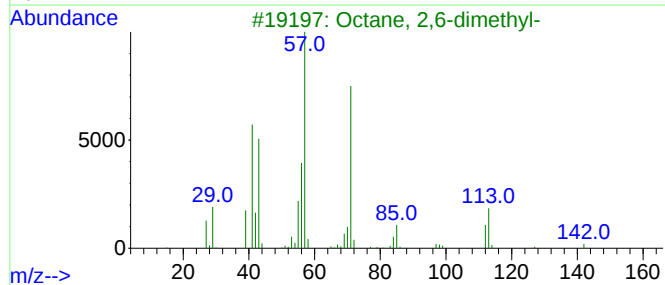
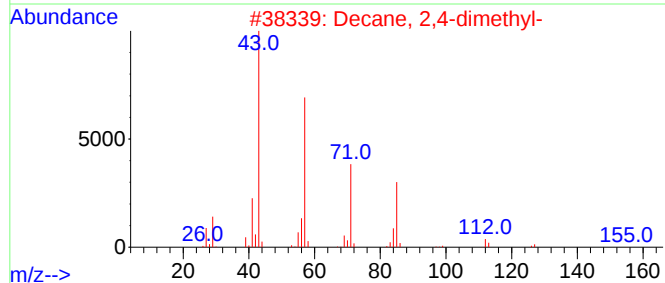
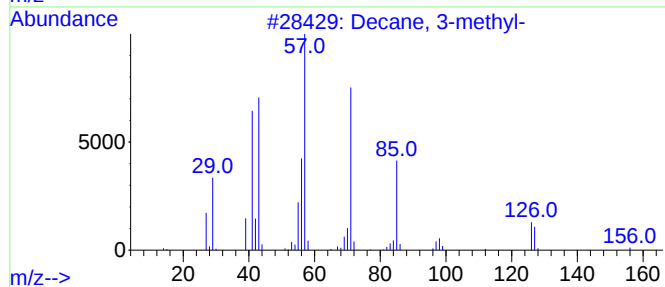
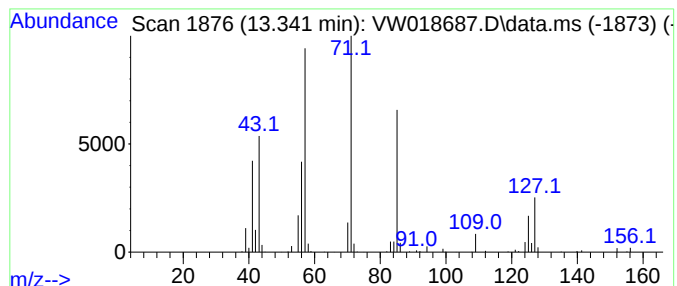
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.341	9.30 ug/L	182066	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	80
2	Decane, 2,4-dimethyl-		170	C12H26	002801-84-5	50
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	43
4	Octane, 2,3,7-trimethyl-		156	C11H24	062016-34-6	38
5	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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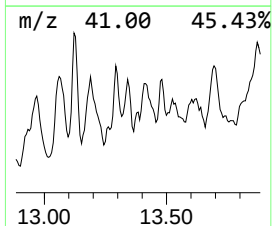
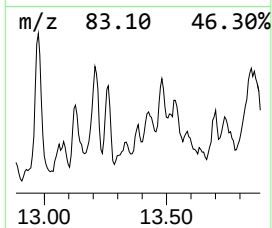
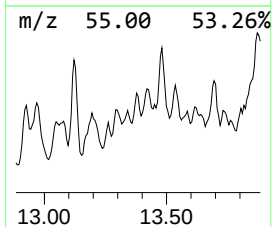
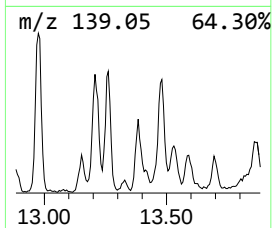
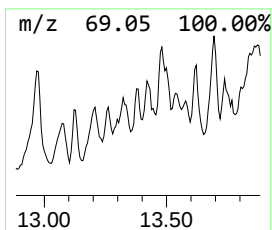
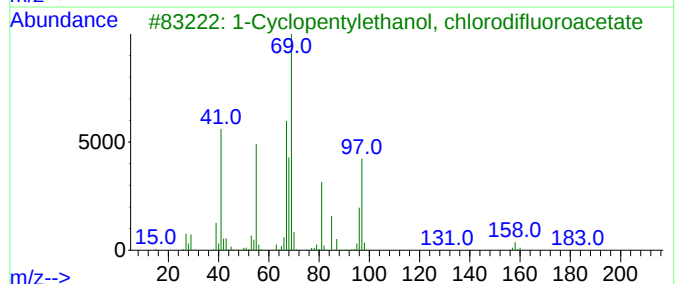
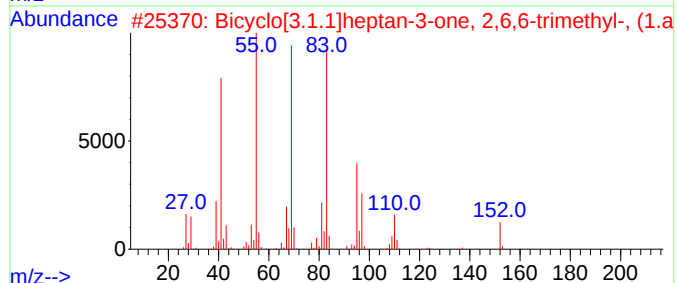
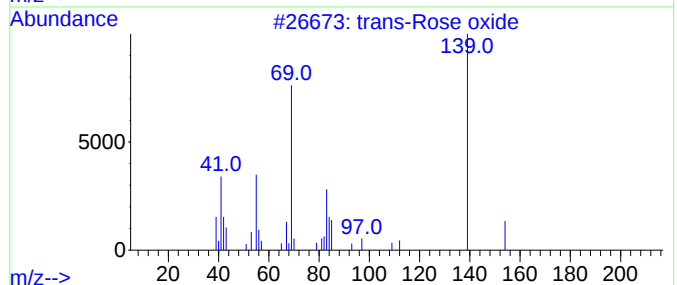
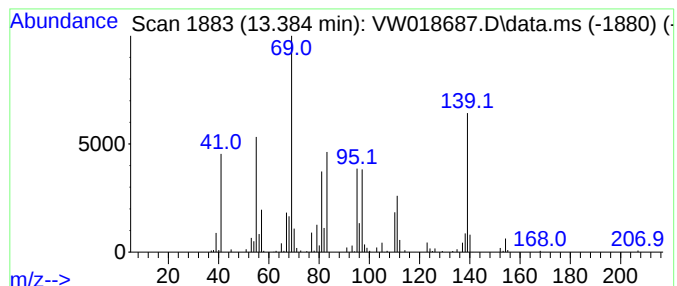
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	4.20 ug/L	82172	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Rose oxide	154	C10H18O	000876-18-6	43
2			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
3			1-Cyclopentylethanol, chlorodifl...	226	C9H13ClF2O2	1000376-25-2	27
4			3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	22
5			2-Amino-5,6-dimethyl-3H-pyrimidi...	139	C6H9N3O	1000372-55-6	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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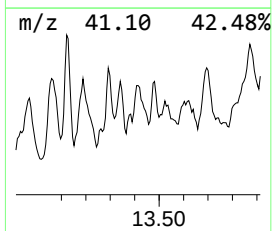
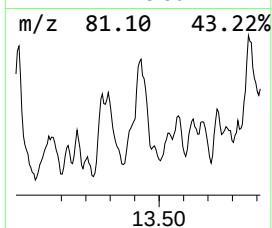
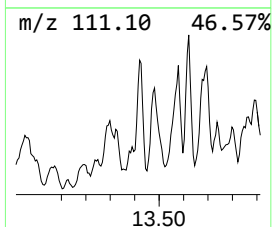
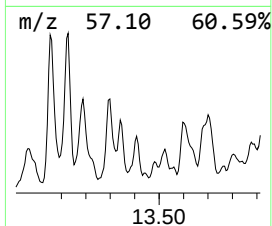
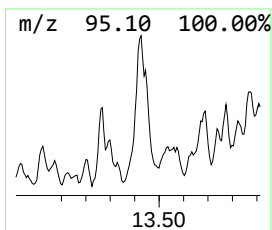
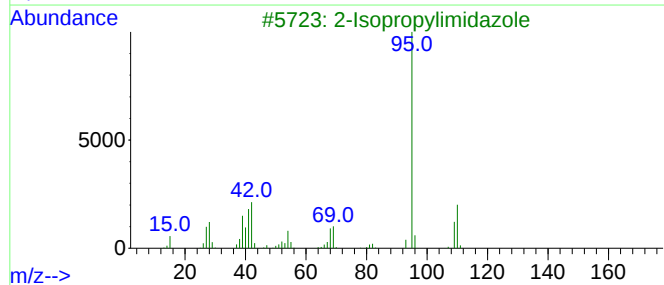
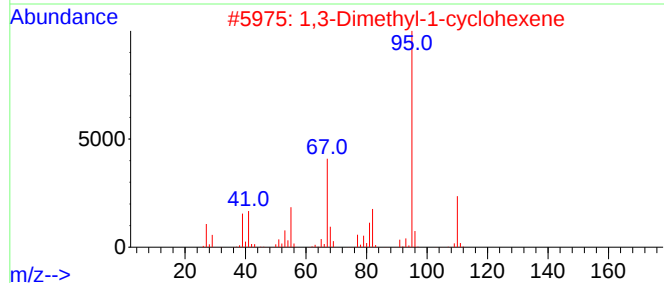
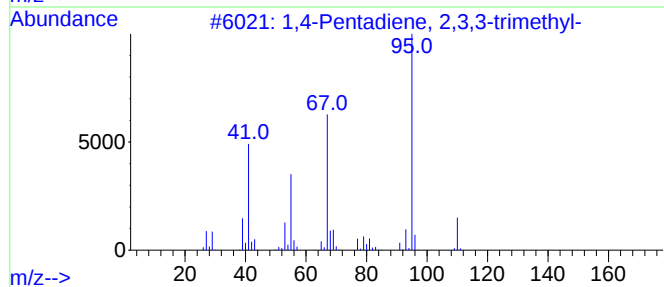
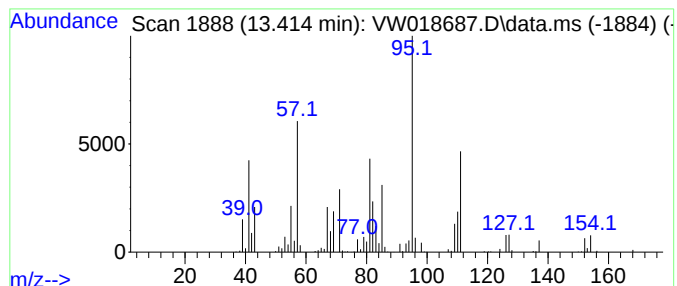
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.414	20.07 ug/L	392693	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38
2		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
3		2-Isopropylimidazole	110	C6H10N2	036947-68-9	38
4		2-Cyclopentene-1-carboxylic acid...	154	C9H14O2	062185-63-1	38
5		Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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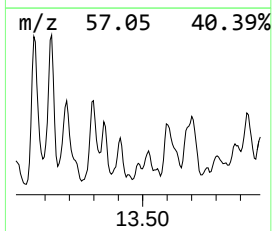
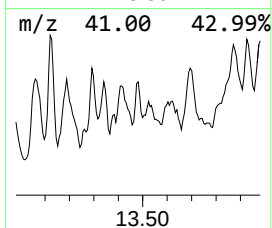
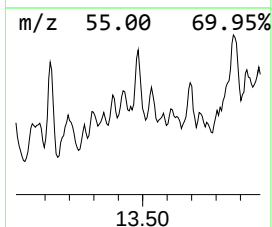
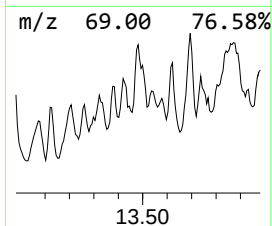
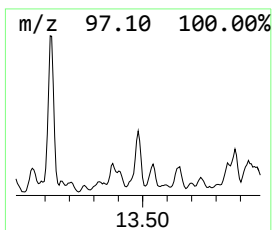
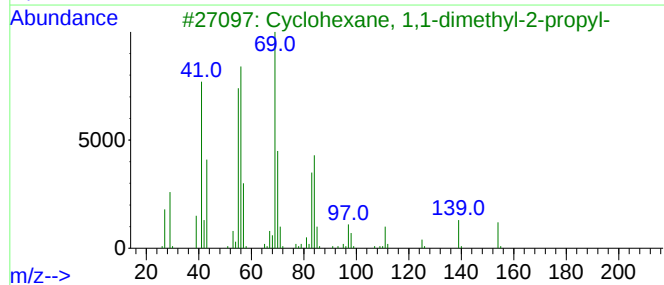
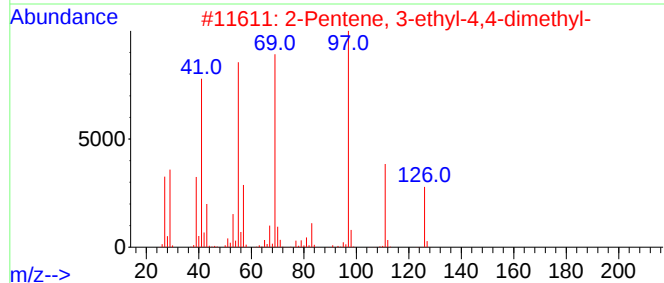
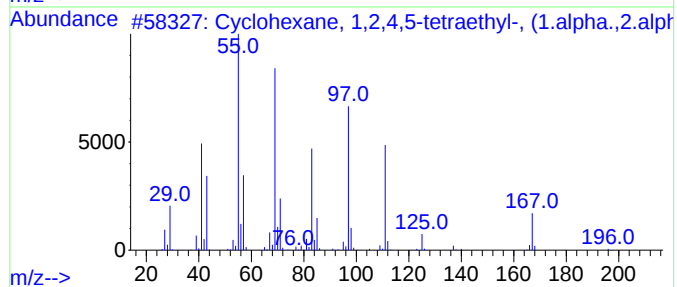
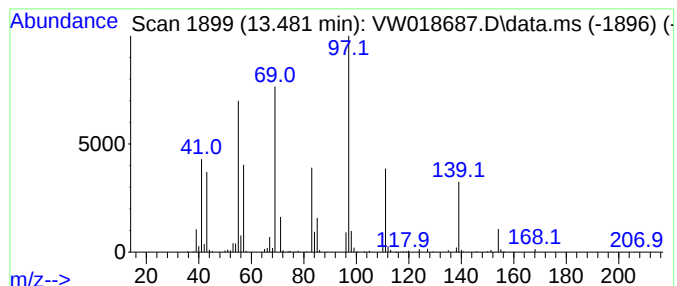
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Cyclic13.481 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	9.06 ug/L	177201	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	53
2			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	47
3			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	43
4			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	38
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

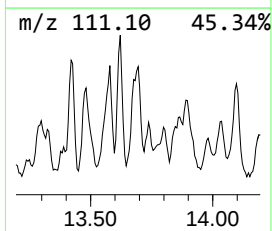
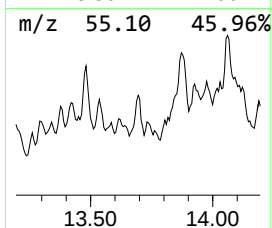
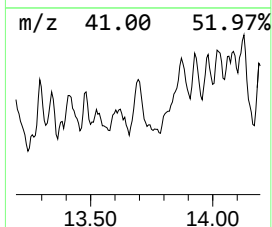
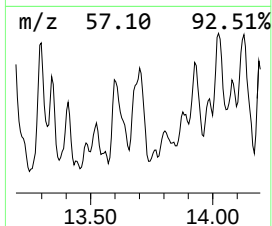
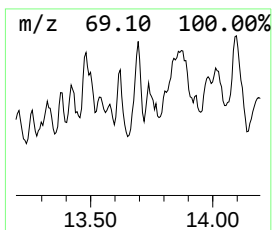
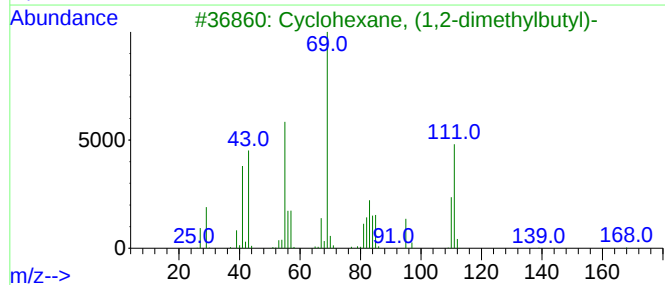
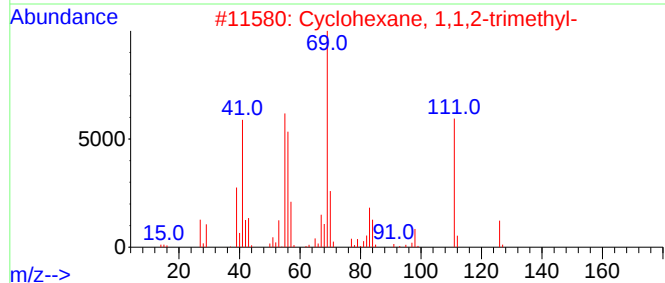
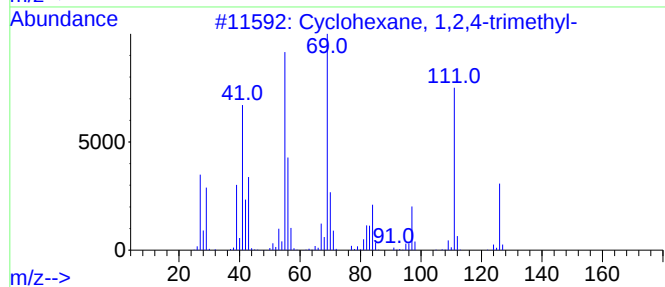
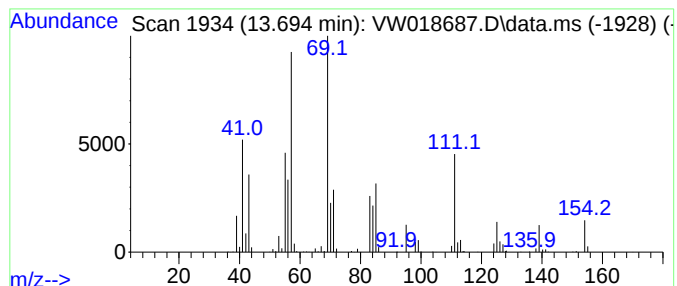
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Cyclic13.695 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.695	20.43 ug/L	399695	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46
3	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	42
4	Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	40
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

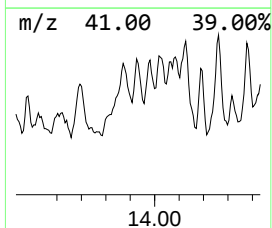
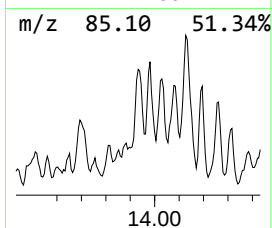
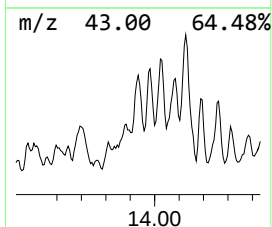
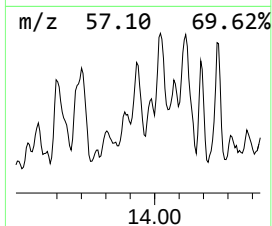
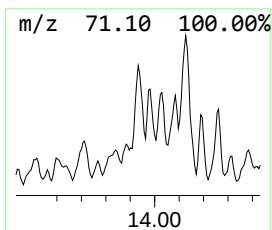
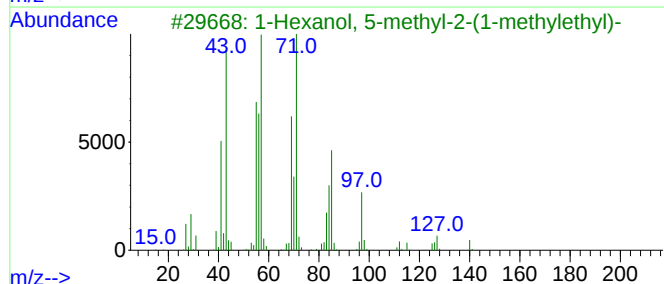
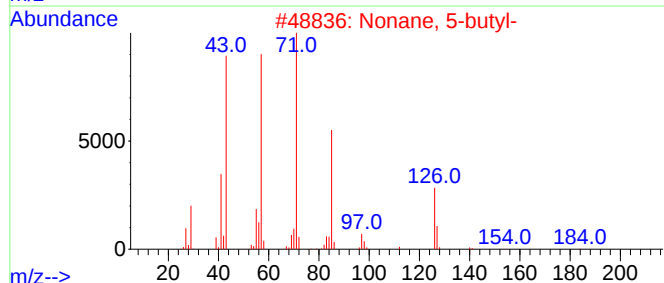
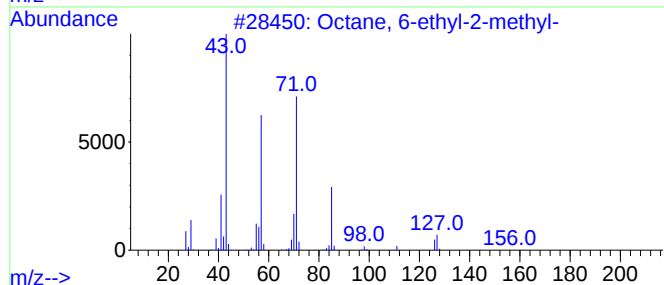
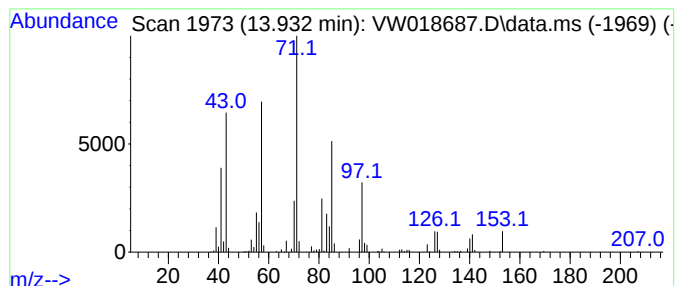
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.932	12.19 ug/L	238570	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-		156	C11H24	062016-19-7	59
2	Nonane, 5-butyl-		184	C13H28	017312-63-9	53
3	1-Hexanol, 5-methyl-2-(1-methyle...		158	C10H22O	002051-33-4	53
4	Oxalic acid, isohexyl neopentyl ...		244	C13H24O4	1000309-73-0	50
5	Pentane, 3,3-dimethyl-		100	C7H16	000562-49-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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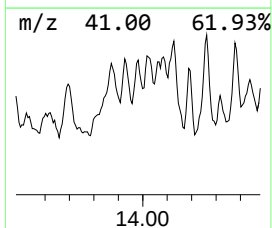
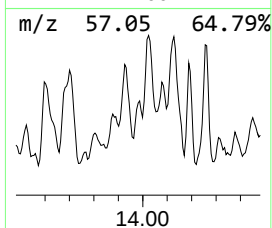
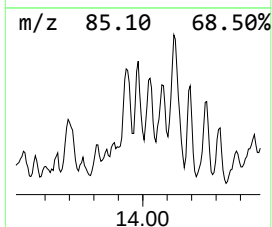
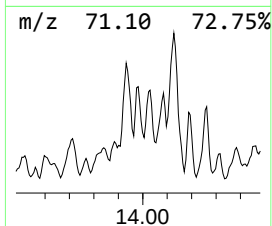
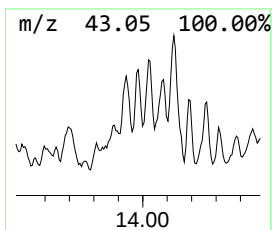
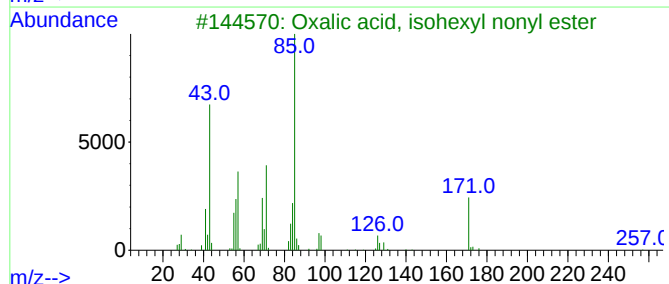
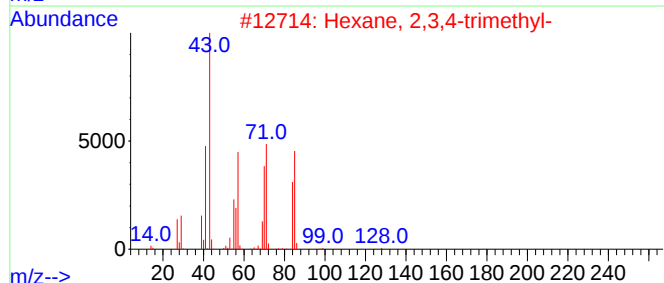
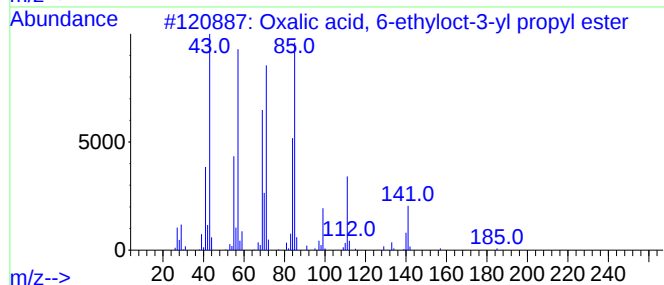
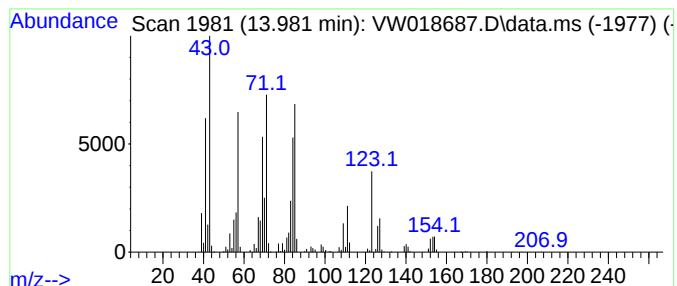
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	12.57 ug/L	245961	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	58
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
3			Oxalic acid, isohexyl nonyl ester	300	C17H32O4	1000309-33-2	43
4			Octane, 4-methyl-	128	C9H20	002216-34-4	43
5			Hexane, 3-ethyl-	114	C8H18	000619-99-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

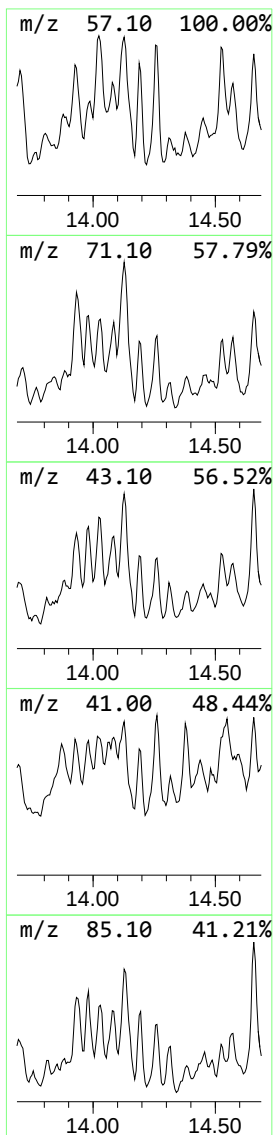
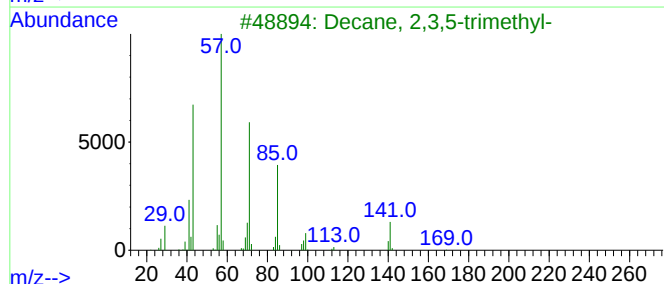
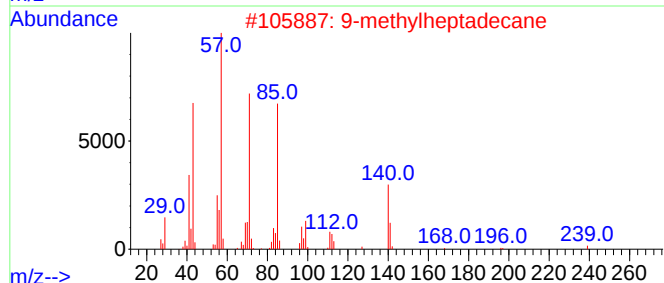
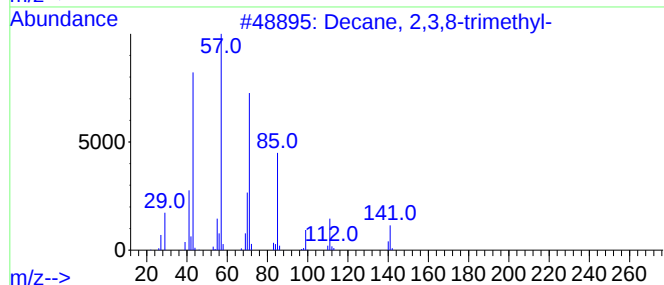
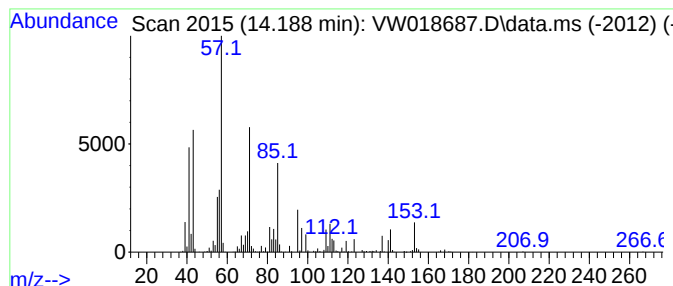
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	15.94 ug/L	311819	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	52
2		9-methylheptadecane	254	C18H38	026741-18-4	52
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	49
4		Tetradecane	198	C14H30	000629-59-4	49
5		Tridecane	184	C13H28	000629-50-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

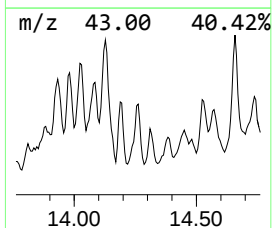
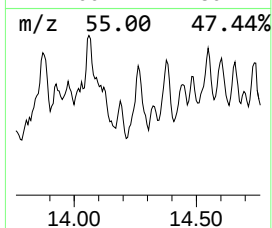
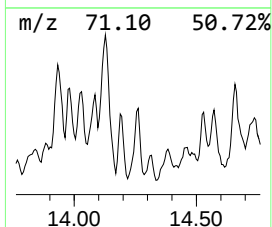
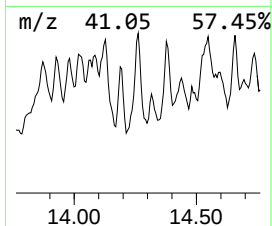
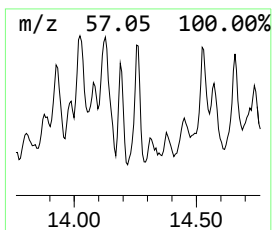
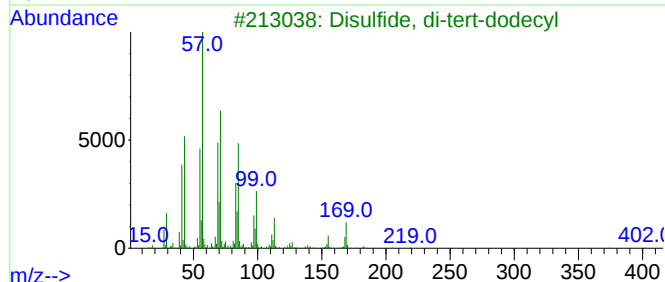
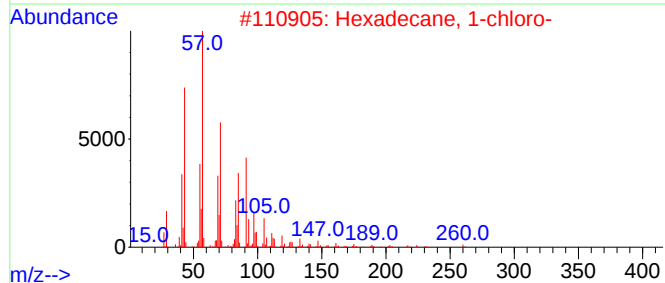
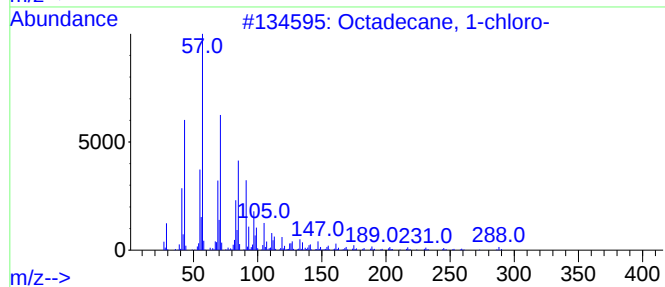
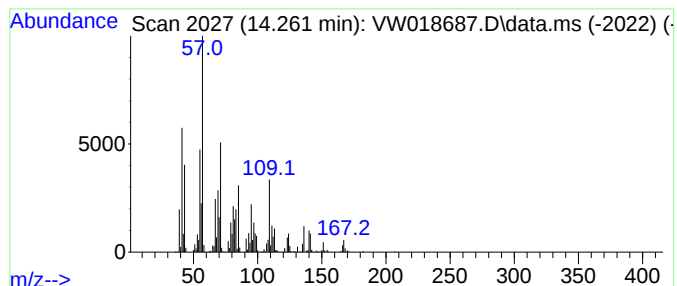
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	32.82 ug/L	642250	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	49
2		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	47
3		Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	47
4		Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	38
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

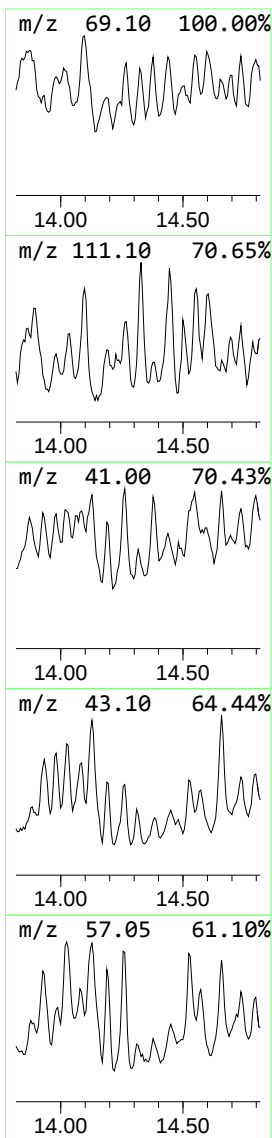
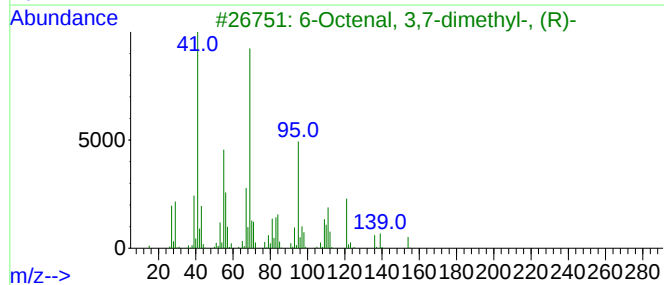
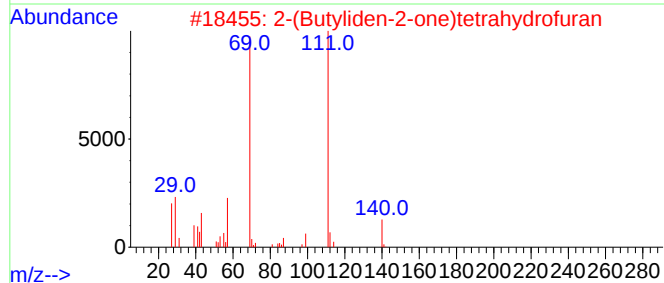
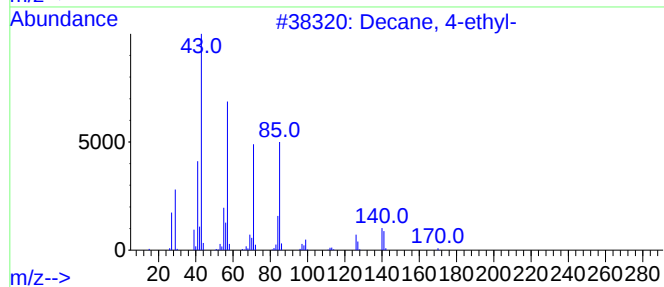
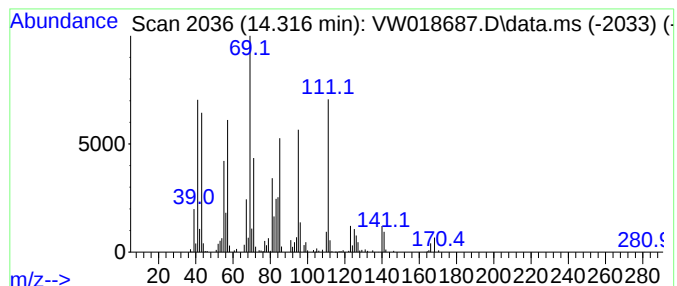
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ClientSampleId :
BG561

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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.316	10.35 ug/L	202439	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-	170	C12H26	001636-44-8	38
2	2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	38
3	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	35
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	27
5	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

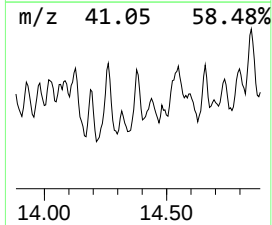
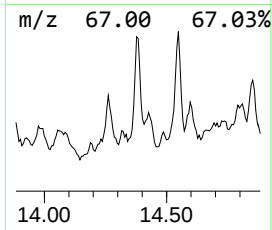
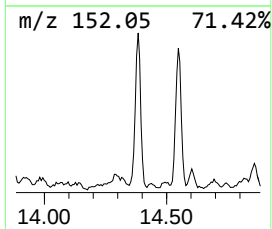
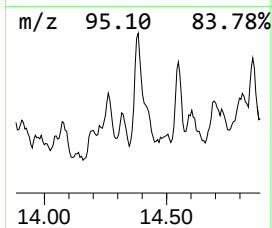
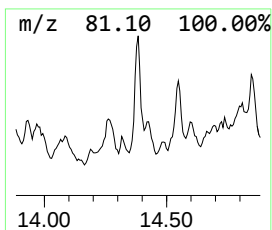
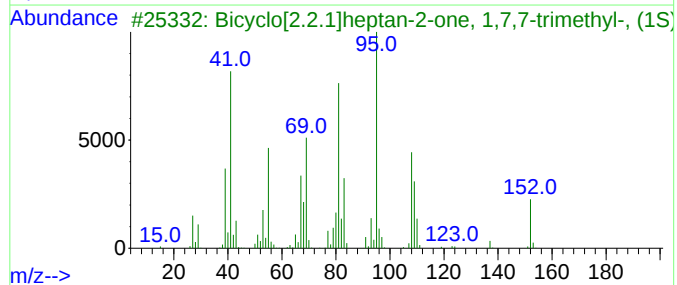
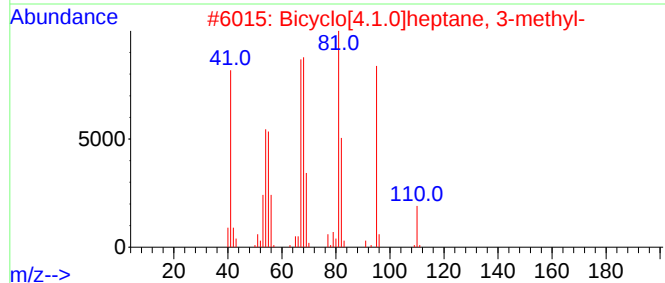
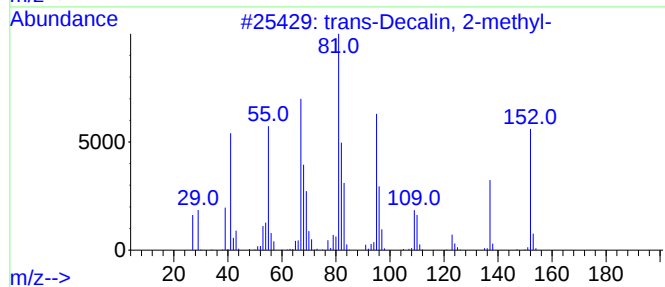
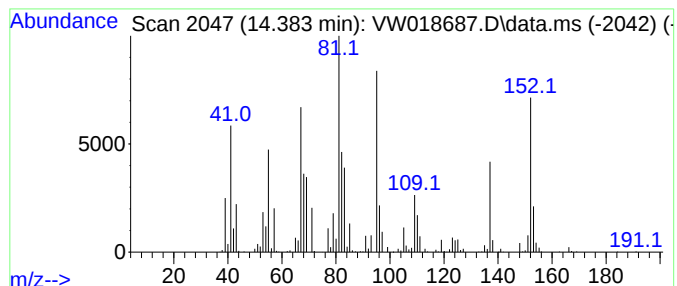
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 trans-Decalin, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	30.39 ug/L	594708	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2			Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	70
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
5			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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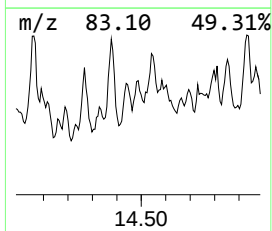
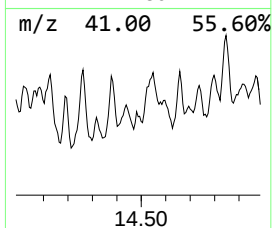
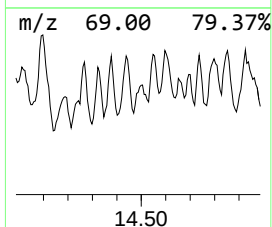
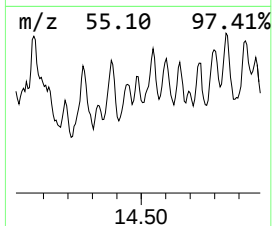
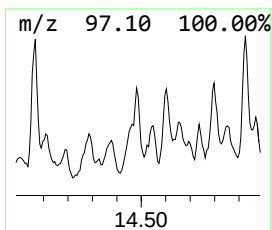
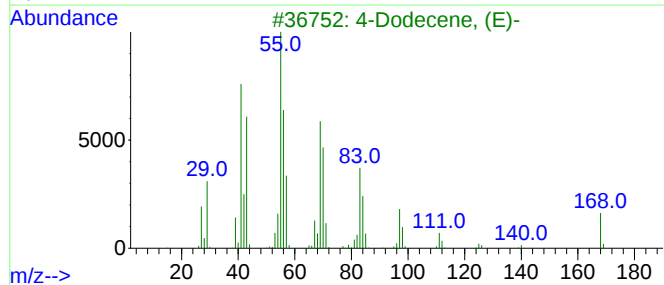
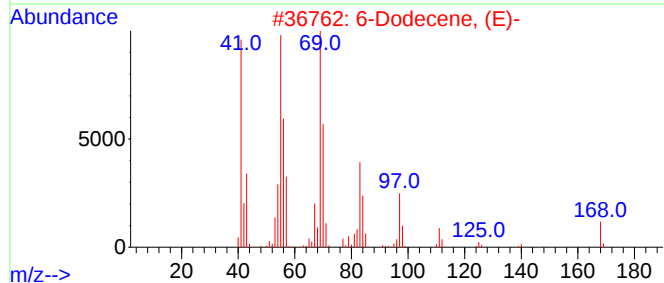
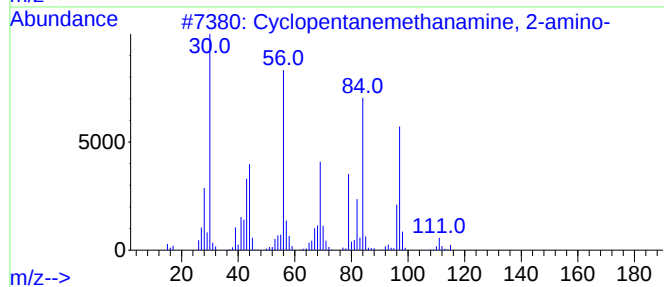
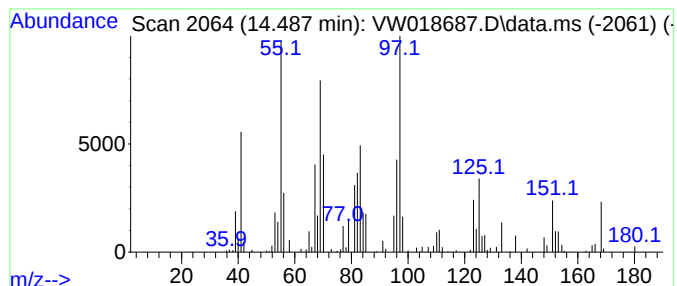
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 unknown-05 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.487	5.69 ug/L	111294	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentanemethanamine, 2-amino-	114	C6H14N2	021544-02-5	43
2			6-Dodecene, (E)-	168	C12H24	007206-17-9	41
3			4-Dodecene, (E)-	168	C12H24	007206-15-7	35
4			1-Nonylcycloheptane	224	C16H32	1000371-47-7	35
5			Cyclohexane, (2,2-dimethylcyclop...	180	C13H24	061142-23-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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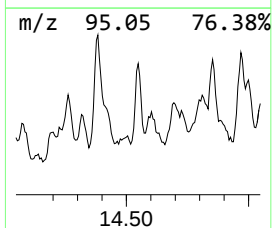
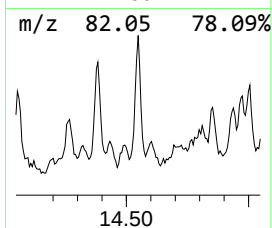
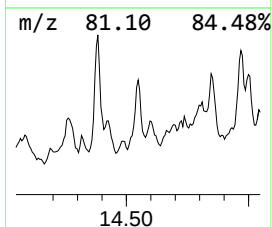
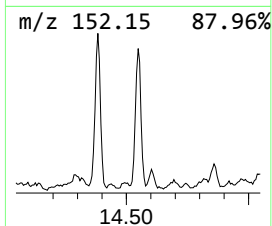
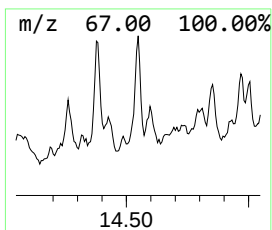
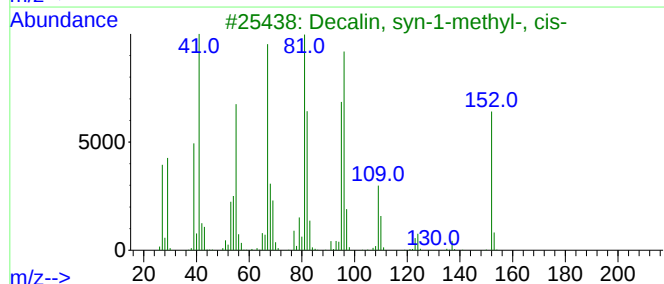
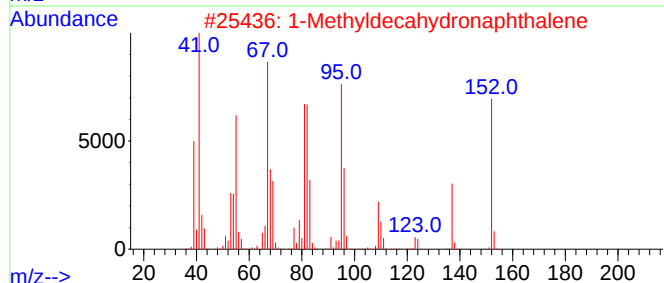
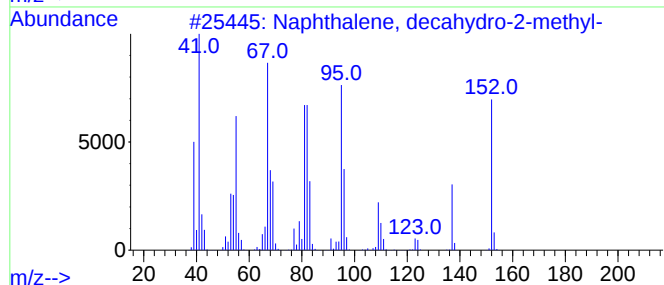
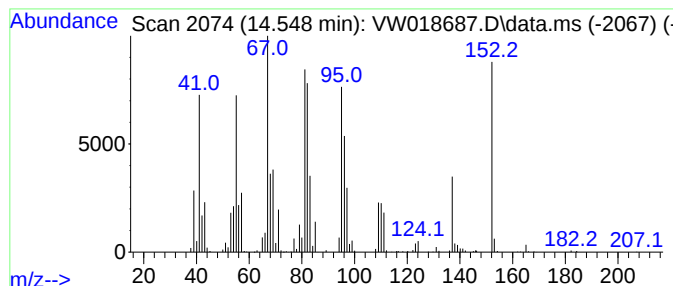
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	36.81 ug/L	720339	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	72
4			Cyclododecene, (E)-	166	C12H22	001486-75-5	70
5			8-Dodecen-1-ol, (Z)-	184	C12H24O	040642-40-8	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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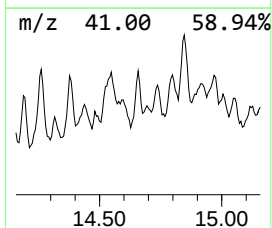
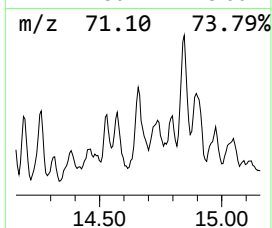
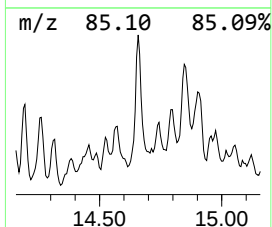
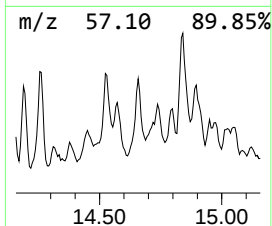
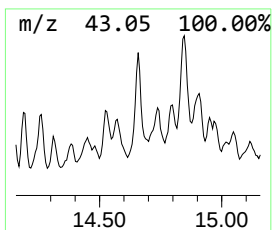
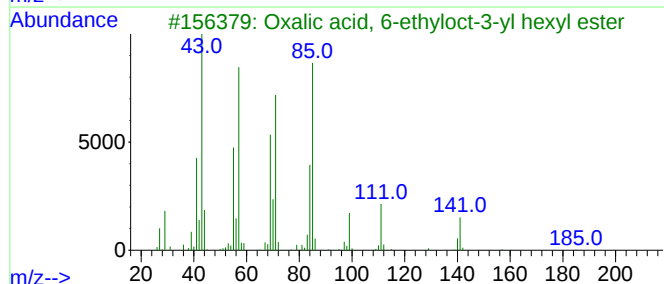
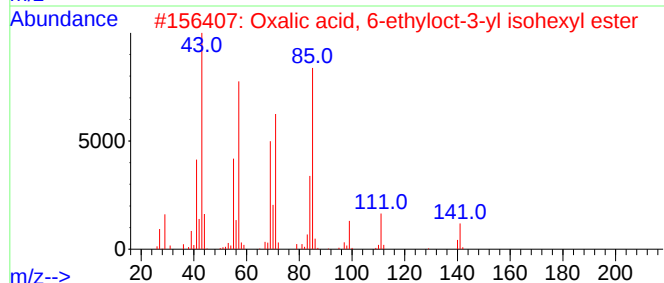
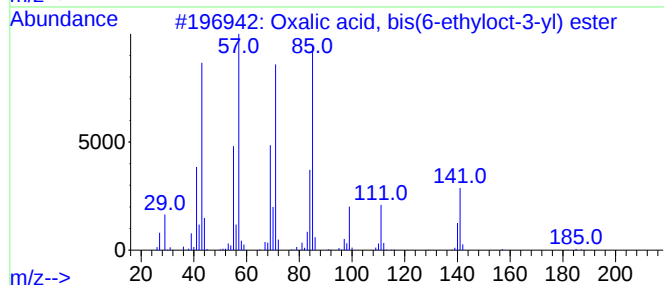
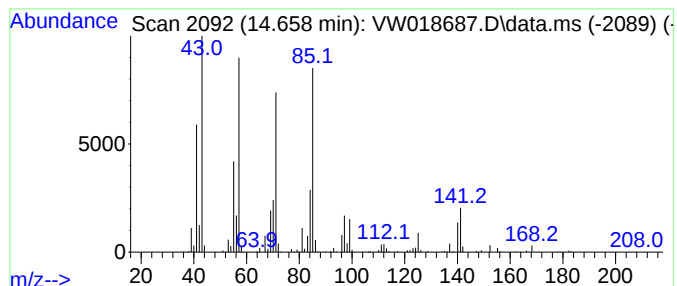
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Oxalic acid, bis(6-ethyloct... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.658	13.92 ug/L	272369	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	87		
2	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	86		
3	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	86		
4	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	86		
5	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	64		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

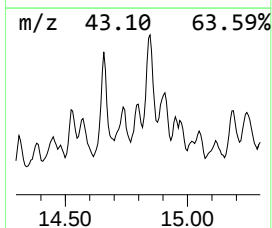
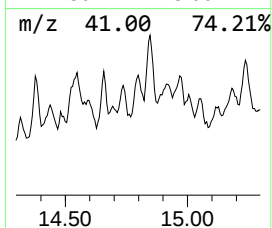
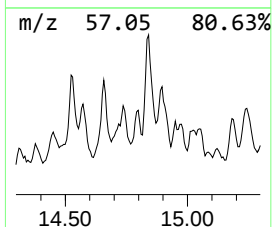
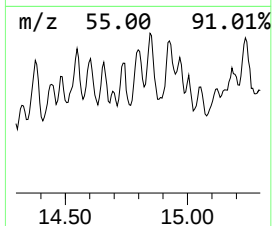
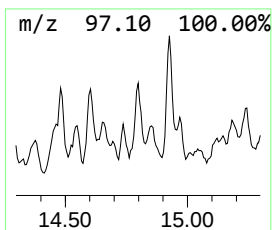
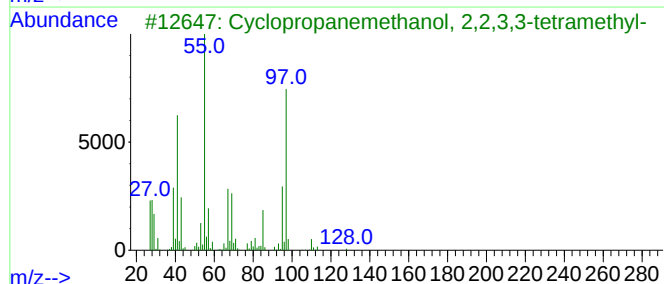
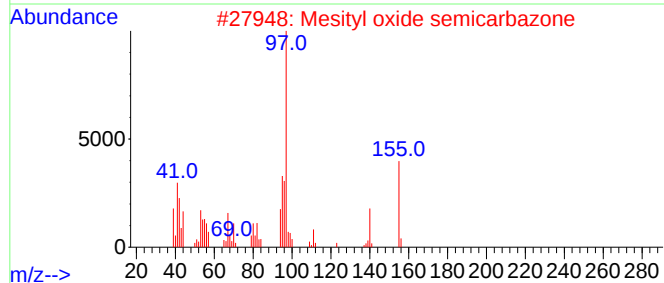
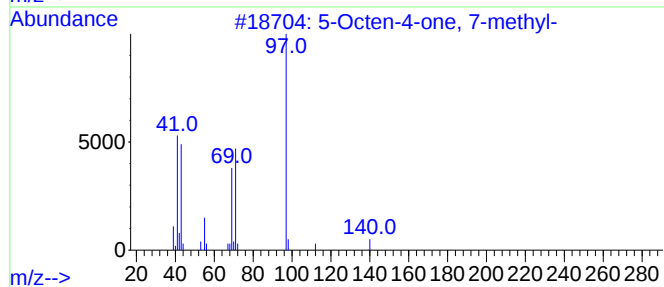
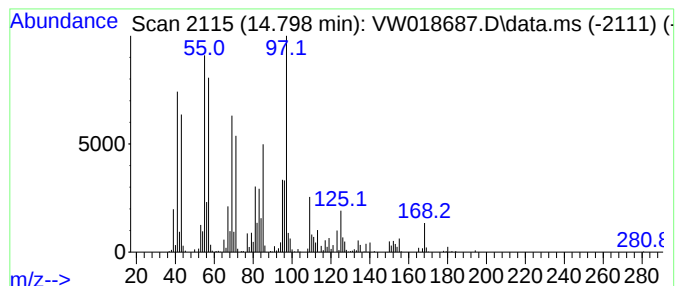
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 unknown-06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	21.34 ug/L	417658	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	38
2			Mesityl oxide semicarbazone	155	C7H13N3O	003780-62-9	38
3			Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	30
4			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	30
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

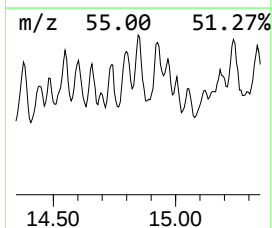
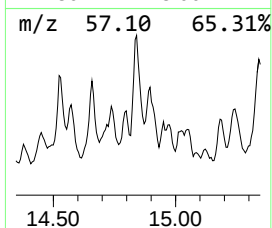
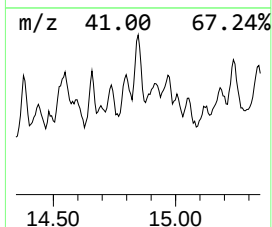
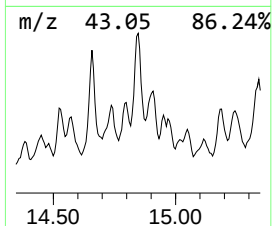
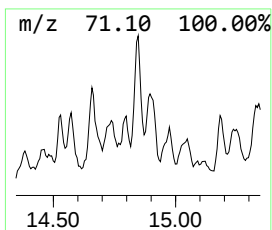
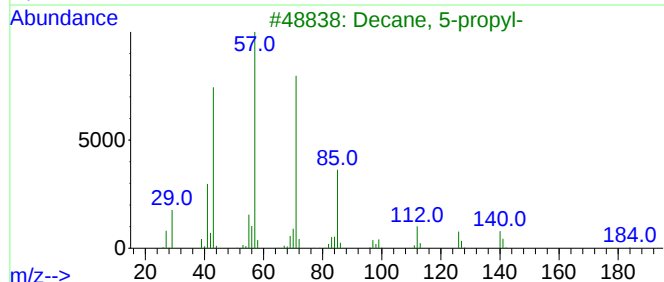
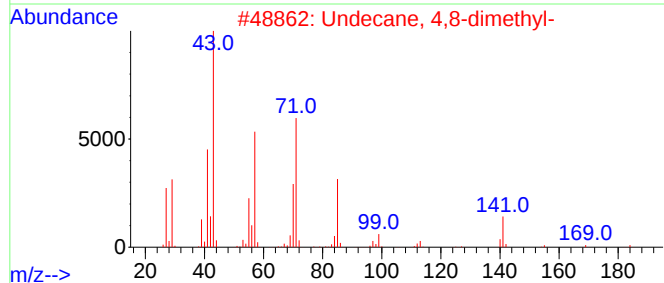
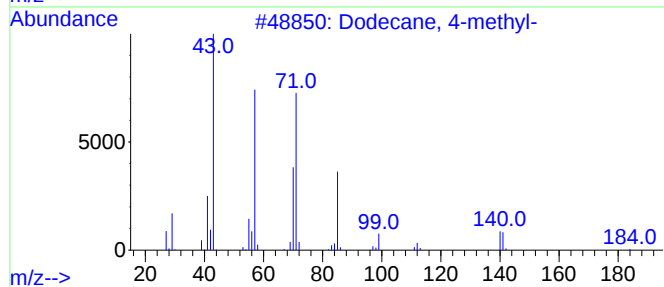
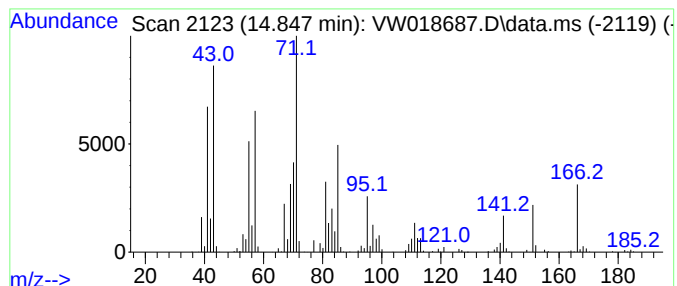
Instrument :
MSVOA_W
ClientSampleId :
BG561

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.847	35.44 ug/L	693492	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-		184	C13H28	006117-97-1	52
2	Undecane, 4,8-dimethyl-		184	C13H28	017301-33-6	50
3	Decane, 5-propyl-		184	C13H28	017312-62-8	46
4	Decane, 4-methyl-		156	C11H24	002847-72-5	45
5	2,4,4-Trimethyl-1-hexene		126	C9H18	051174-12-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

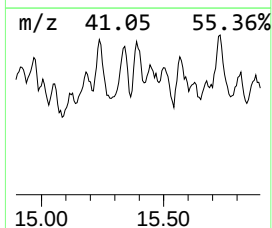
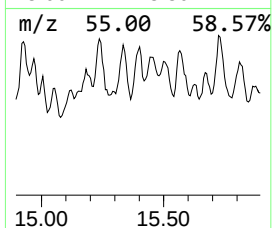
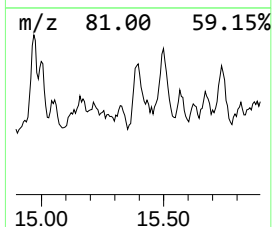
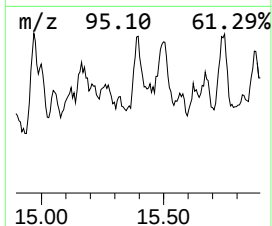
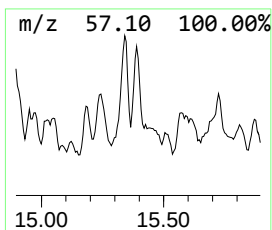
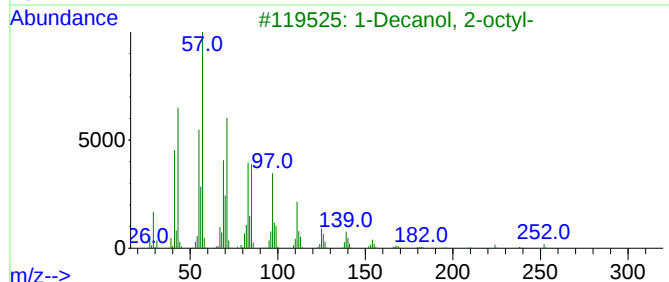
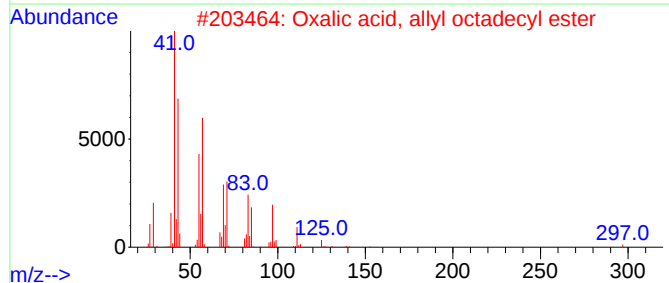
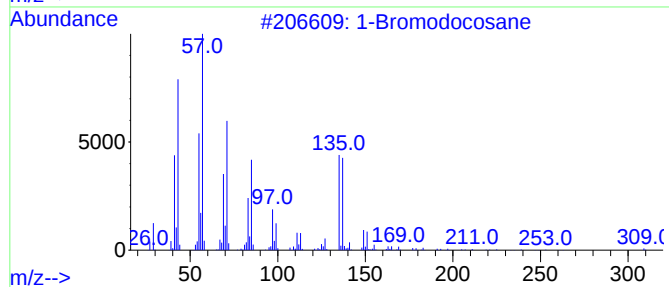
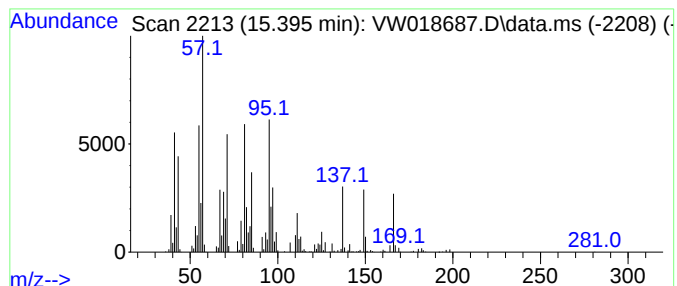
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 unknown-07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.395	30.22 ug/L	591389	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Bromodocosane	388	C22H45Br	006938-66-5	38
2		Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	38
3		1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	38
4		1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	38
5		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

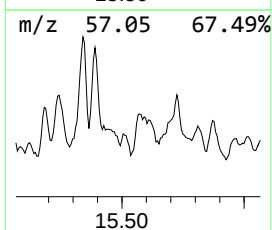
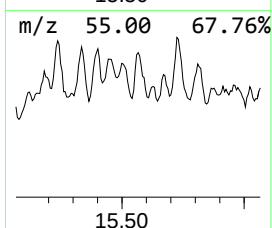
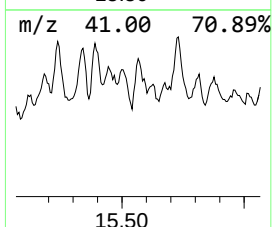
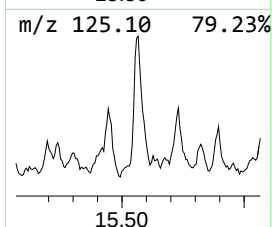
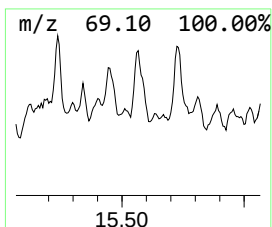
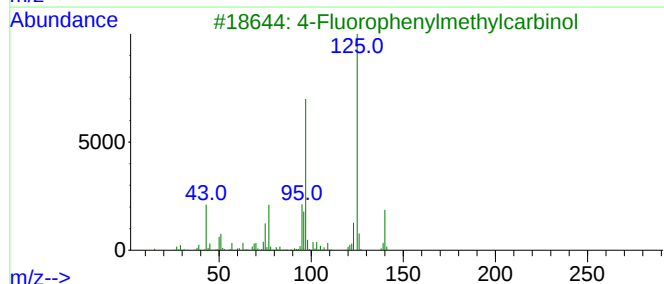
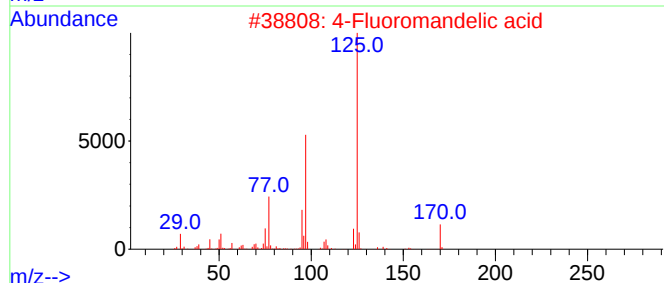
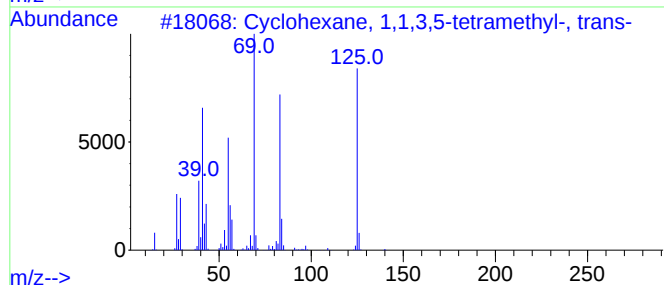
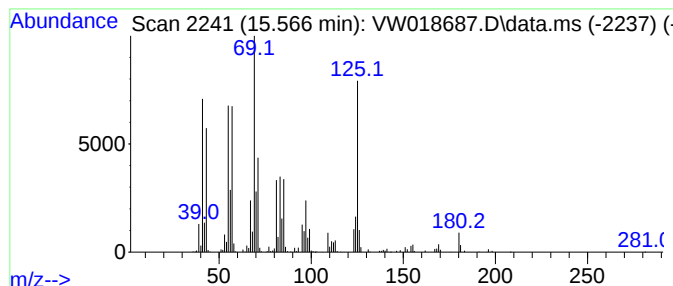
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 (DEL) Alkane: Cyclic15.566 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.566	23.65 ug/L	462849	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	49
2			4-Fluoromandelic acid	170	C8H7FO3	000395-33-5	30
3			4-Fluorophenylmethylcarbinol	140	C8H9FO	000403-41-8	27
4			1,2-Cyclohexanediamine, N,N'-dif...	170	C8H14N2O2	077069-67-1	25
5			3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018687.D
Acq On : 20 Apr 2021 13:36
Operator : SY/VA
Sample : M2065-08
Misc : 3.71G/10ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG561

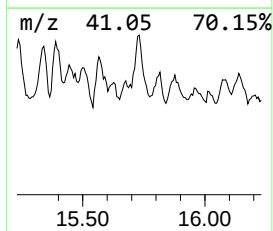
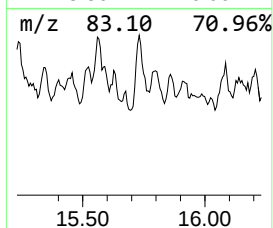
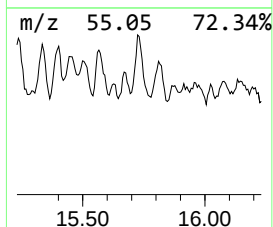
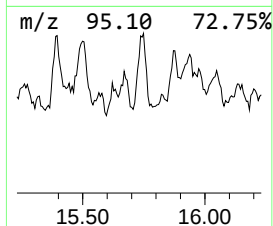
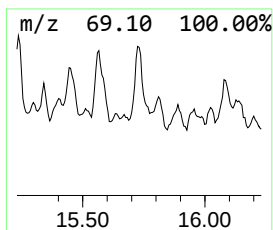
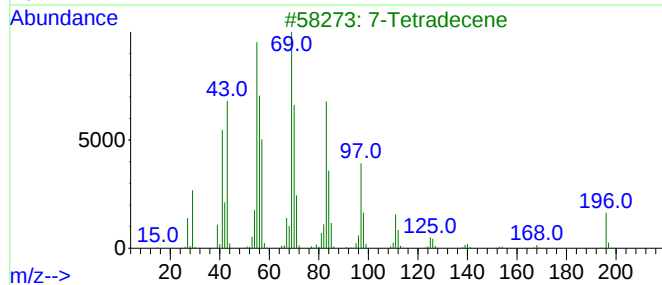
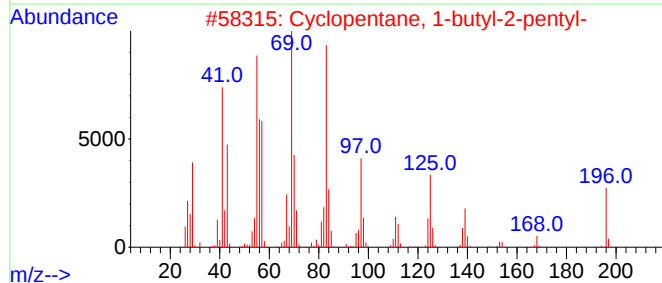
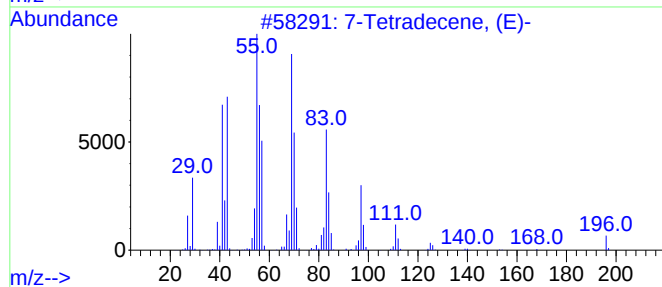
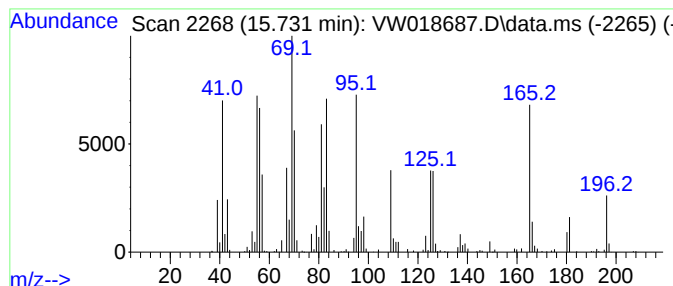
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	33.11 ug/L	647967	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		7-Tetradecene, (E)-	196	C14H28	041446-63-3	43
2		Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	43
3		7-Tetradecene	196	C14H28	010374-74-0	43
4		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	35
5		1,1'-Bicyclohexyl, 2-(1-methylet...	208	C15H28	050991-15-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018687.D
 Acq On : 20 Apr 2021 13:36
 Operator : SY/VA
 Sample : M2065-08
 Misc : 3.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG561

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	5.946	1.3	ug/L	54055	1	8.842	1016710	25.0
Pentane, 2,3,3-...	9.890	1.4	ug/L	56892	1	8.842	1016710	25.0
(DEL) Alkane: C...	11.823	3.5	ug/L	137409	2	11.634	995176	25.0
(DEL) Alkane: S...	11.878	2.7	ug/L	107069	2	11.634	995176	25.0
(DEL) Alkane: S...	11.975	4.1	ug/L	164321	2	11.634	995176	25.0
(DEL) Alkane: S...	12.225	4.6	ug/L	182469	2	11.634	995176	25.0
(DEL) Alkane: S...	12.359	21.1	ug/L	838515	2	11.634	995176	25.0
(DEL) Alkane: C...	12.451	8.1	ug/L	324123	2	11.634	995176	25.0
(DEL) Alkane: S...	12.749	2.5	ug/L	48871	3	13.560	489193	25.0
(DEL) Alkane: C...	12.859	32.2	ug/L	630726	3	13.560	489193	25.0
(DEL) Alkane: S...	12.969	51.3	ug/L	1003650	3	13.560	489193	25.0
(DEL) Alkane: S...	13.060	32.4	ug/L	633092	3	13.560	489193	25.0
(DEL) Alkane: S...	13.128	31.4	ug/L	615129	3	13.560	489193	25.0
(DEL) Alkane: S...	13.188	29.1	ug/L	569510	3	13.560	489193	25.0
unknown-01	13.262	6.3	ug/L	123345	3	13.560	489193	25.0
Bacchotricuneat...	13.292	17.7	ug/L	345839	3	13.560	489193	25.0
(DEL) Alkane: S...	13.341	9.3	ug/L	182066	3	13.560	489193	25.0
unknown-02	13.384	4.2	ug/L	82172	3	13.560	489193	25.0
unknown-03	13.414	20.1	ug/L	392693	3	13.560	489193	25.0
(DEL) Alkane: C...	13.481	9.1	ug/L	177201	3	13.560	489193	25.0
(DEL) Alkane: C...	13.695	20.4	ug/L	399695	3	13.560	489193	25.0
(DEL) Alkane: S...	13.932	12.2	ug/L	238570	3	13.560	489193	25.0
Oxalic acid, 6-...	13.981	12.6	ug/L	245961	3	13.560	489193	25.0
(DEL) Alkane: S...	14.188	15.9	ug/L	311819	3	13.560	489193	25.0
unknown-04	14.261	32.8	ug/L	642250	3	13.560	489193	25.0
(DEL) Alkane: S...	14.316	10.4	ug/L	202439	3	13.560	489193	25.0
trans-Decalin, ...	14.383	30.4	ug/L	594708	3	13.560	489193	25.0
unknown-05	14.487	5.7	ug/L	111294	3	13.560	489193	25.0
Naphthalene, de...	14.548	36.8	ug/L	720339	3	13.560	489193	25.0
Oxalic acid, bi...	14.658	13.9	ug/L	272369	3	13.560	489193	25.0
unknown-06	14.798	21.3	ug/L	417658	3	13.560	489193	25.0
(DEL) Alkane: S...	14.847	35.4	ug/L	693492	3	13.560	489193	25.0
unknown-07	15.395	30.2	ug/L	591389	3	13.560	489193	25.0
(DEL) Alkane: C...	15.566	23.6	ug/L	462849	3	13.560	489193	25.0
(DEL) Alkane: S...	15.731	33.1	ug/L	647967	3	13.560	489193	25.0