

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
 Data File : VW026145.D
 Acq On : 08 Jun 2023 20:42
 Operator : SY/MD
 Sample : 03101-10
 Misc : 5.81g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZEM6

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\SFAMWLM053023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026145.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.137	38	41	45	rBV	11219	17748	0.02%	0.002%
2	2.363	68	78	91	rBV	137498	348462	0.41%	0.047%
3	2.893	157	165	180	rBV	121436	336449	0.40%	0.045%
4	3.027	182	187	197	rVB2	14710	38829	0.05%	0.005%
5	3.387	240	246	258	rVB3	13011	35507	0.04%	0.005%
6	4.015	337	349	359	rBV	227210	719893	0.85%	0.097%
7	4.112	359	365	377	rVB	147106	390965	0.46%	0.053%
8	4.387	400	410	421	rVV	15284	51523	0.06%	0.007%
9	4.923	487	498	516	rBV6	15421	88003	0.10%	0.012%
10	5.417	572	579	592	rVB6	3921	13501	0.02%	0.002%
11	5.941	653	665	672	rBV8	8807	28319	0.03%	0.004%
12	7.002	829	839	843	rBV8	5530	18631	0.02%	0.003%
13	7.069	843	850	860	rBV	120496	348060	0.41%	0.047%
14	7.167	860	866	878	rVB2	65684	187610	0.22%	0.025%
15	7.648	934	945	957	rBV	405841	1002888	1.19%	0.135%
16	8.032	1001	1008	1018	rVB7	8215	22719	0.03%	0.003%
17	8.160	1020	1029	1034	rBV3	12042	28539	0.03%	0.004%
18	8.276	1036	1048	1063	rBV2	759037	2395074	2.84%	0.323%
19	8.435	1066	1074	1075	rVV8	6731	13911	0.02%	0.002%
20	8.477	1076	1081	1091	rVV	22782	68594	0.08%	0.009%
21	8.575	1092	1097	1102	rVV8	9904	21717	0.03%	0.003%
22	8.697	1111	1117	1124	rBV4	6746	16177	0.02%	0.002%
23	8.843	1132	1141	1151	rBV	713908	1438837	1.70%	0.194%
24	9.069	1170	1178	1186	rVV	7221	20123	0.02%	0.003%
25	9.270	1201	1211	1218	rBV	563331	1176776	1.39%	0.159%
26	9.331	1218	1221	1226	rVV3	55789	105135	0.12%	0.014%
27	9.380	1226	1229	1235	rVV3	15116	29320	0.03%	0.004%
28	9.605	1262	1266	1272	rVV3	10936	22803	0.03%	0.003%
29	9.752	1284	1290	1301	rVB2	36347	79220	0.09%	0.011%
30	9.892	1304	1313	1318	rBV	39026	91847	0.11%	0.012%
31	9.953	1318	1323	1330	rVV3	47287	88118	0.10%	0.012%
32	10.032	1330	1336	1342	rVV	193244	335367	0.40%	0.045%
33	10.093	1342	1346	1359	rVB	59861	149528	0.18%	0.020%
34	10.245	1359	1371	1376	rBV2	25408	62977	0.07%	0.008%
35	10.319	1376	1383	1398	rBV	748079	1415243	1.68%	0.191%
36	10.501	1406	1413	1419	rVB3	35994	87168	0.10%	0.012%

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Title : SFAM01.0

37	10.575	1419	1425	1430	rBV	136371	240157	0.28%	0.032%
38	10.666	1435	1440	1447	rVB	47876	87535	0.10%	0.012%
39	10.764	1447	1456	1460	rBV6	35427	109423	0.13%	0.015%
40	10.843	1465	1469	1474	rVB2	58451	92776	0.11%	0.013%
41	10.922	1474	1482	1491	rBV2	571600	1113955	1.32%	0.150%
42	11.032	1494	1500	1508	rVB	114386	230496	0.27%	0.031%
43	11.105	1508	1512	1516	rBV2	59974	96974	0.11%	0.013%
44	11.178	1519	1524	1527	rBV	125470	192599	0.23%	0.026%
45	11.227	1527	1532	1538	rVB	347046	599550	0.71%	0.081%
46	11.282	1538	1541	1544	rVB2	38653	45617	0.05%	0.006%
47	11.337	1544	1550	1554	rBV2	295301	508853	0.60%	0.069%
48	11.379	1554	1557	1561	rVV2	109201	161079	0.19%	0.022%
49	11.434	1561	1566	1573	rVB	281911	493637	0.58%	0.067%
50	11.507	1573	1578	1589	rBV	408053	754440	0.89%	0.102%
51	11.629	1590	1598	1607	rBV	600202	1100917	1.30%	0.148%
52	11.763	1615	1620	1622	rBV	185975	282064	0.33%	0.038%
53	11.812	1622	1628	1633	rVB4	319589	670940	0.79%	0.090%
54	11.873	1633	1638	1641	rBV	791648	1336209	1.58%	0.180%
55	11.916	1641	1645	1650	rVB2	548937	962448	1.14%	0.130%
56	11.971	1650	1654	1657	rBV2	265420	485094	0.57%	0.065%
57	12.056	1663	1668	1673	rVB3	424148	752875	0.89%	0.101%
58	12.135	1673	1681	1686	rBV3	1477640	3391866	4.02%	0.457%
59	12.184	1686	1689	1692	rVV	555497	921086	1.09%	0.124%
60	12.251	1692	1700	1704	rVV	4904097	8211439	9.72%	1.107%
61	12.361	1704	1718	1729	rVV3	5306452	16881529	19.99%	2.275%
62	12.501	1729	1741	1749	rVB4	3260447	10773421	12.76%	1.452%
63	12.617	1754	1760	1765	rVB	1561412	2554740	3.02%	0.344%
64	12.696	1765	1773	1777	rBV4	2007657	5035717	5.96%	0.679%
65	12.745	1777	1781	1782	rBV	629645	855030	1.01%	0.115%
66	12.775	1782	1786	1792	rVB2	4885006	8779737	10.40%	1.183%
67	12.855	1792	1799	1804	rBV3	3034944	7149953	8.47%	0.964%
68	12.940	1804	1813	1818	rBV6	8328884	23821369	28.20%	3.210%
69	12.989	1818	1821	1826	rVB2	5442248	8202179	9.71%	1.105%
70	13.044	1826	1830	1831	rBV3	1033729	1495115	1.77%	0.201%
71	13.074	1831	1835	1839	rBV	4564152	6803688	8.06%	0.917%
72	13.123	1839	1843	1848	rBV4	2799339	5745835	6.80%	0.774%
73	13.184	1849	1853	1856	rBV3	1995204	3098069	3.67%	0.418%
74	13.294	1866	1871	1875	rBV	5897998	9251573	10.95%	1.247%
75	13.342	1875	1879	1883	rBV2	9740186	15099390	17.88%	2.035%
76	13.446	1887	1896	1900	rBV3	19452943	40302735	47.72%	5.431%

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77	13.586	1916	1919	1923	rVB	4170287	5709117	6.76%	0.769%
78	13.696	1931	1937	1941	rBV3	9155733	16707354	19.78%	2.252%
79	13.879	1950	1967	1971	rBV3	31991438	81339644	96.31%	10.962%
80	13.922	1971	1974	1978	rVB3	12748991	18735071	22.18%	2.525%
81	13.976	1979	1983	1987	rVV2	12459612	19252996	22.80%	2.595%
82	14.190	2014	2018	2022	rBV2	7140372	10816895	12.81%	1.458%
83	14.263	2026	2030	2035	rVV3	15508821	26488483	31.36%	3.570%
84	14.312	2035	2038	2042	rVB4	8432735	11609419	13.75%	1.565%
85	14.385	2042	2050	2055	rBV2	45630479	84459984	100.00%	11.382%
86	14.452	2055	2061	2064	rBV5	4628808	10557274	12.50%	1.423%
87	14.549	2071	2077	2082	rBV4	23589679	40230848	47.63%	5.422%
88	14.598	2082	2085	2091	rVB4	5678320	9328103	11.04%	1.257%
89	14.659	2091	2095	2099	rBV	7288989	9941228	11.77%	1.340%
90	14.738	2104	2108	2110	rBV2	9451988	14794393	17.52%	1.994%
91	14.793	2114	2117	2122	rVV	17547161	28034639	33.19%	3.778%
92	14.854	2122	2127	2134	rVB4	16592112	30829020	36.50%	4.155%
93	14.927	2135	2139	2143	rBV2	9115137	16095788	19.06%	2.169%
94	14.970	2143	2146	2149	rVB3	5351370	6178623	7.32%	0.833%
95	15.257	2186	2193	2199	rVB2	14186975	38273893	45.32%	5.158%
96	15.318	2199	2203	2210	rVB2	13389470	23636016	27.98%	3.185%
97	15.391	2210	2215	2220	rBV5	4722838	11279425	13.35%	1.520%
98	15.501	2230	2233	2239	rVB3	6294303	11884093	14.07%	1.602%
99	15.568	2240	2244	2250	rVB5	3102360	6253490	7.40%	0.843%
100	15.726	2265	2270	2278	rVB4	4360377	9597526	11.36%	1.293%

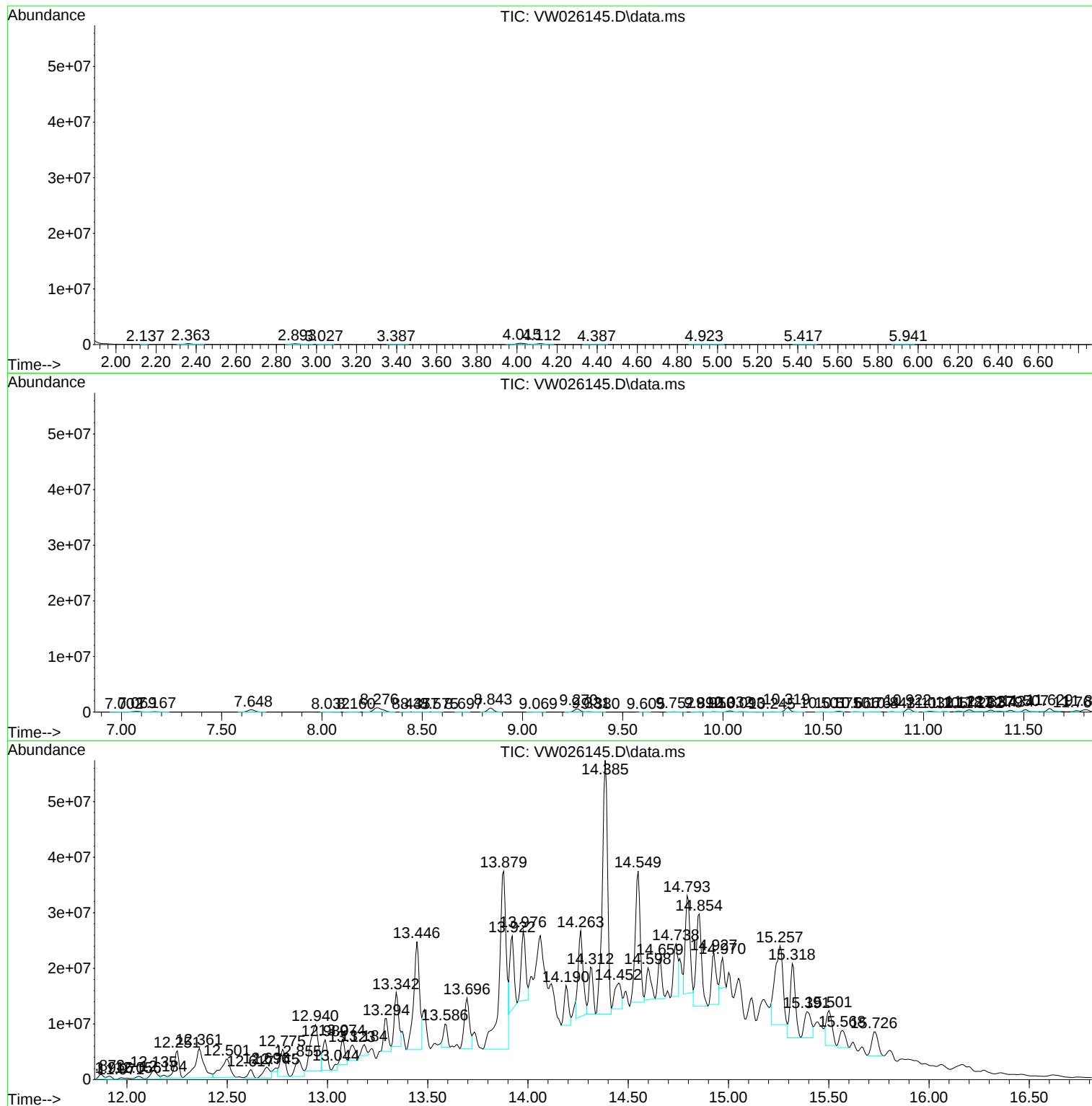
Sum of corrected areas: 742021012

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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EZEM6

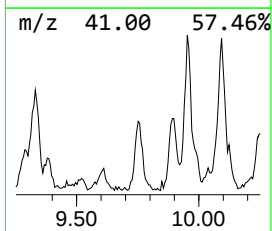
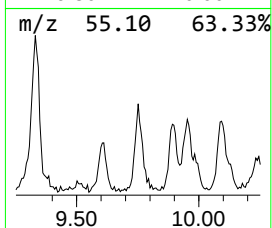
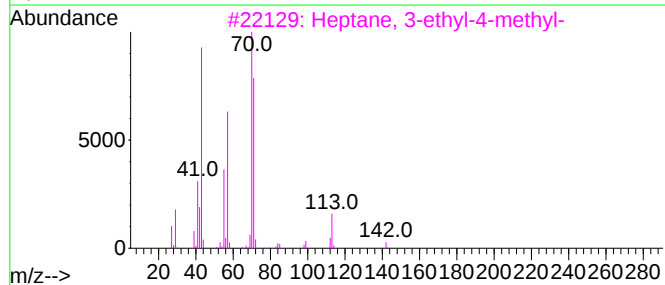
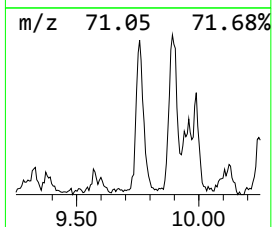
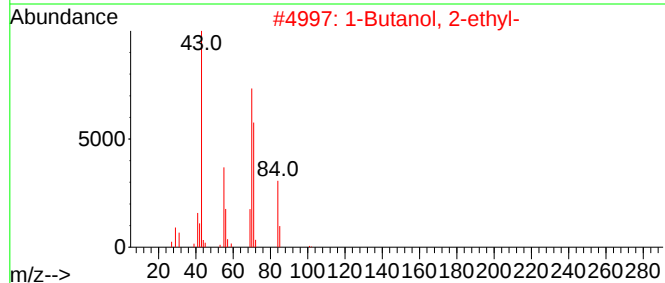
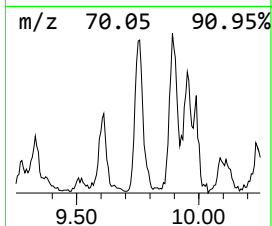
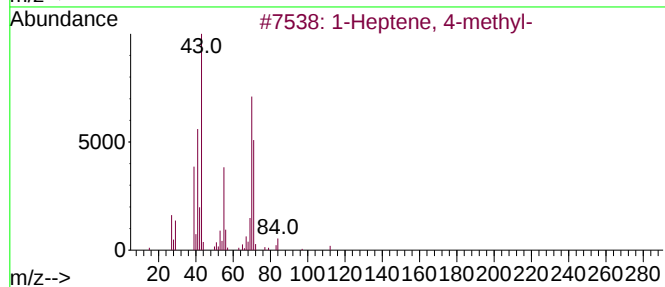
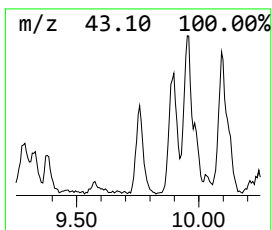
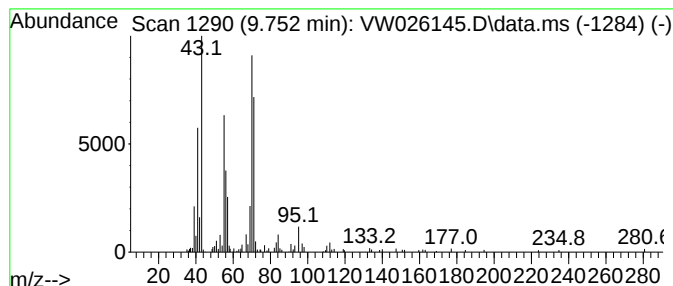
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	1.38 ug/L	79220	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	72
2		1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	64
3		Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	59
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53



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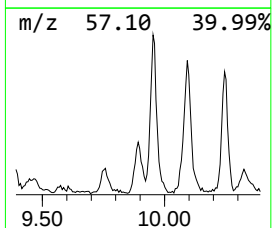
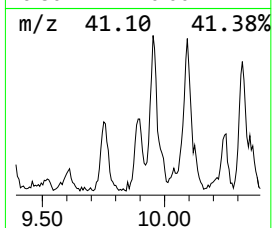
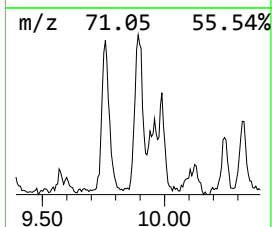
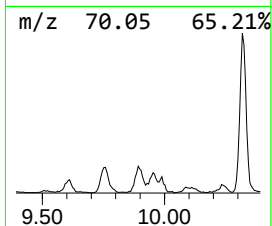
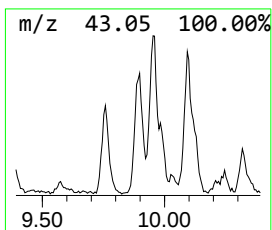
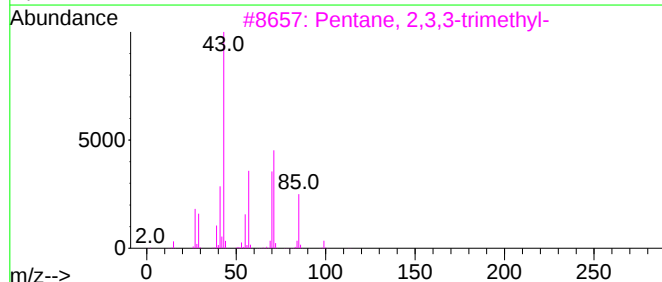
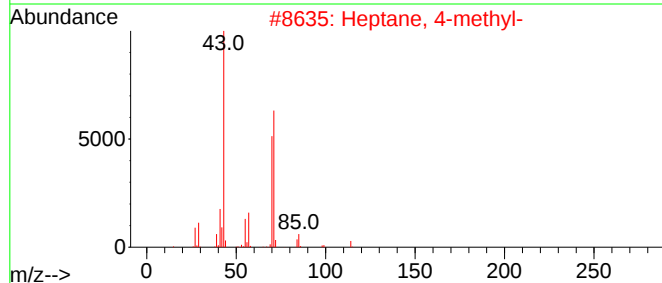
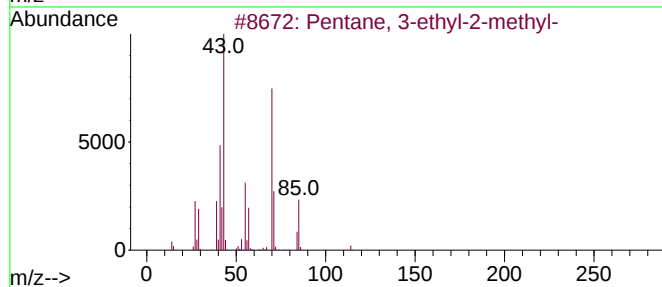
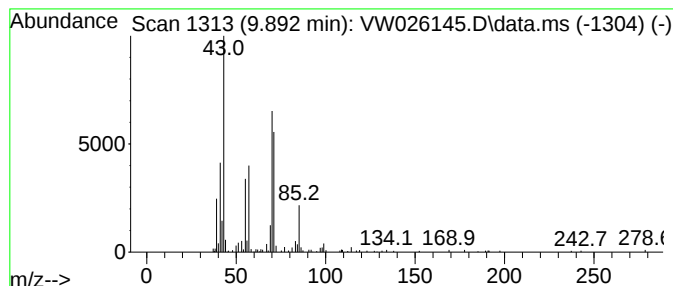
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	1.60 ug/L	91847	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	59
3			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
4			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53
5			4-Methyl-3-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-28-3	53



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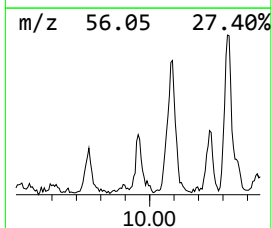
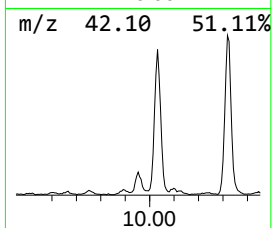
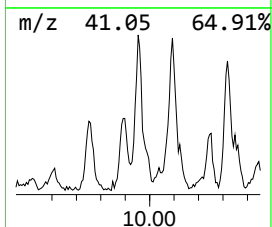
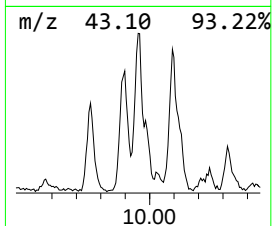
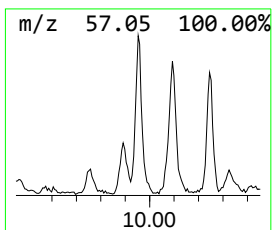
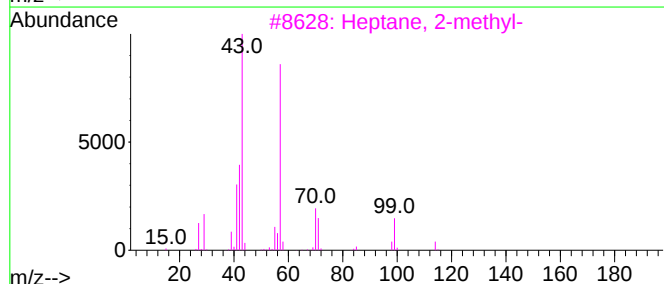
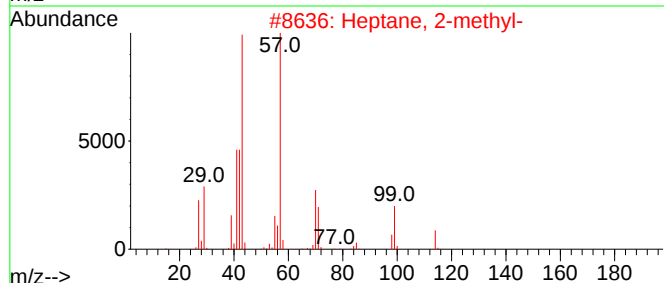
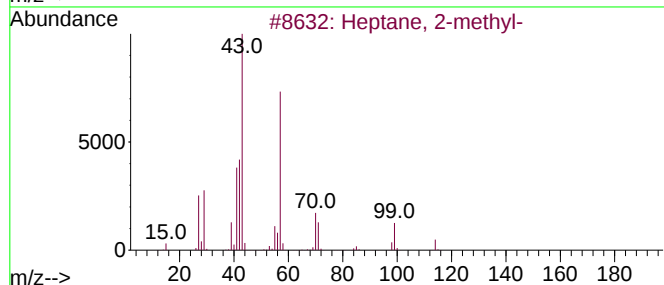
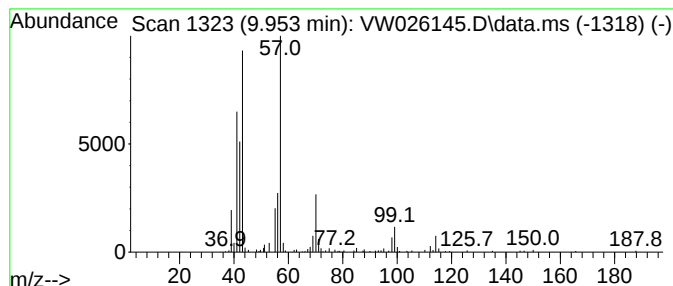
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	1.53 ug/L	88118	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	72
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	64
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	52
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
5			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

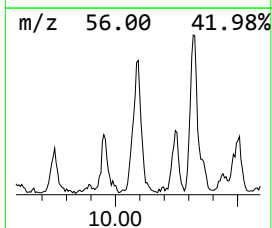
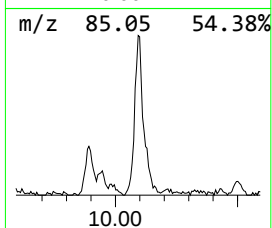
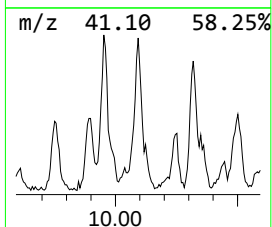
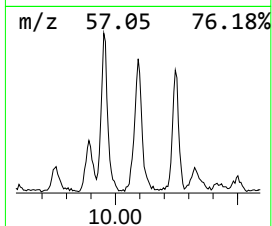
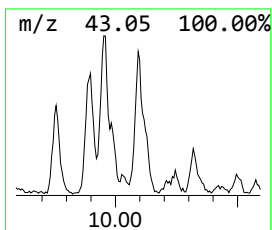
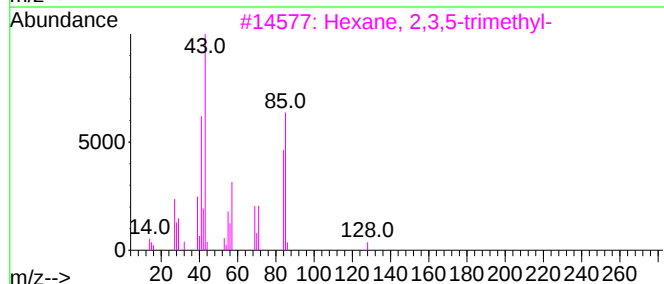
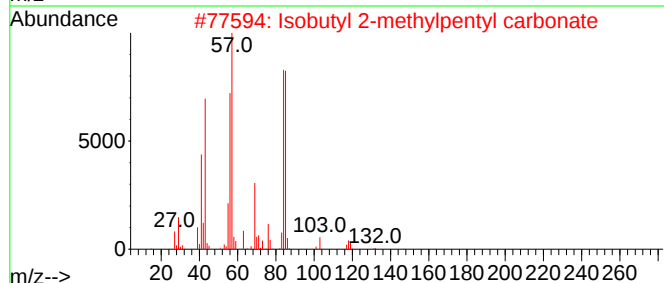
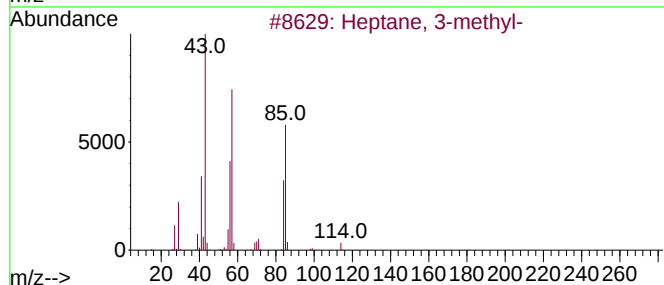
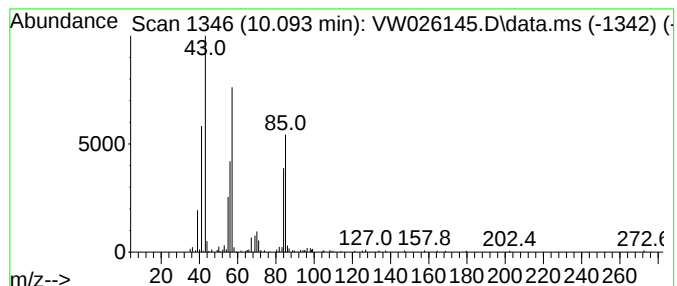
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.093	2.60 ug/L	149528	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	64
2	Isobutyl 2-methylpentyl carbonate	202	C11H22O3	1000372-75-2	64
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

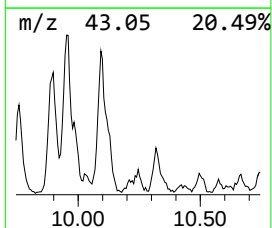
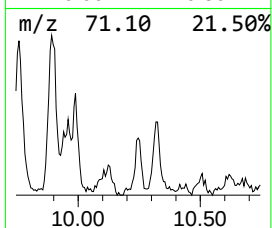
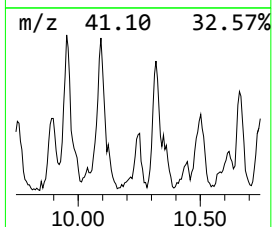
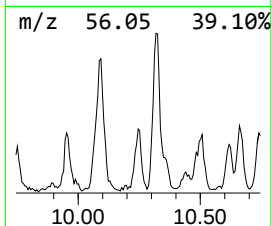
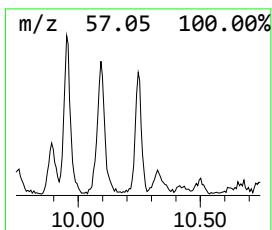
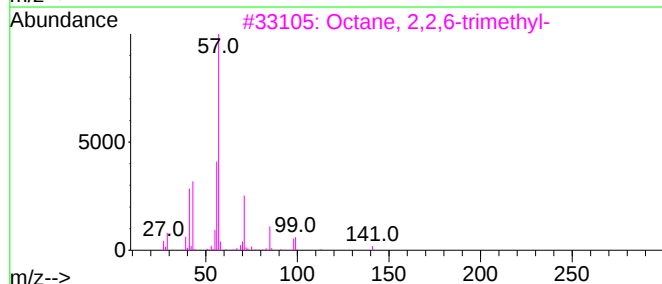
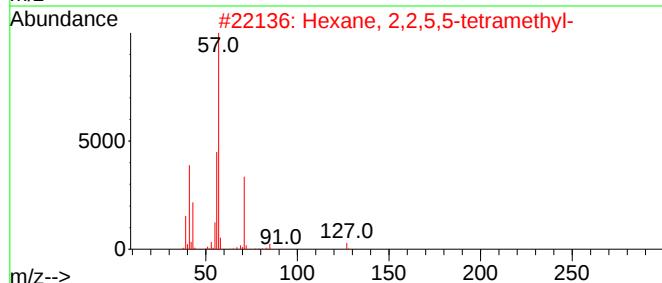
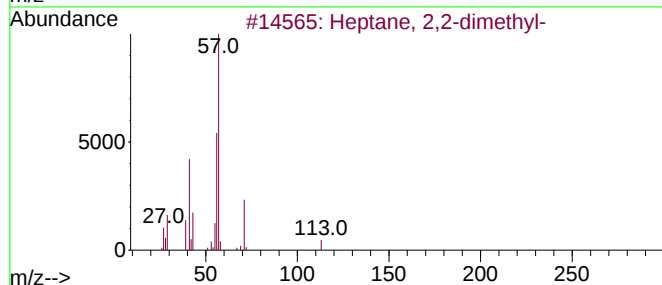
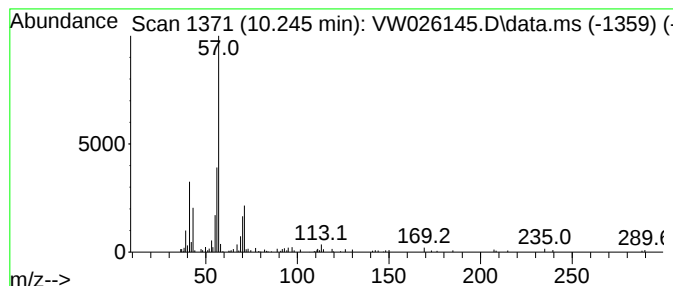
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.245	1.43 ug/L	62977	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,2-dimethyl-		128	C9H20	001071-26-7	64
2	Hexane, 2,2,5,5-tetramethyl-		142	C10H22	001071-81-4	50
3	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	45
4	1-Pentanol, 4-methyl-2-propyl-		144	C9H20O	054004-41-0	42
5	Hexane, 2,2,5-trimethyl-		128	C9H20	003522-94-9	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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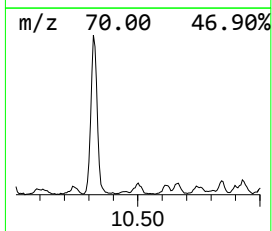
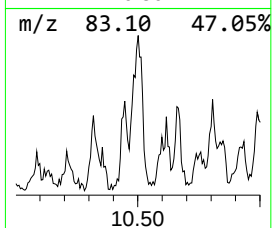
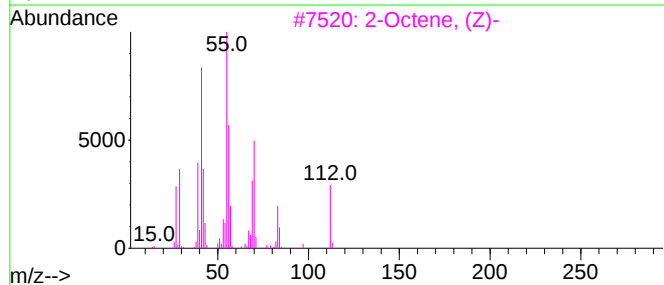
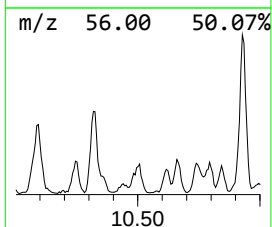
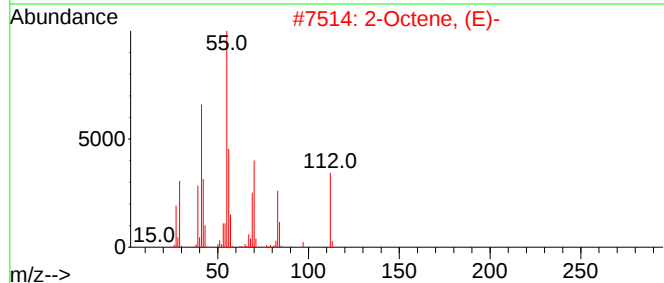
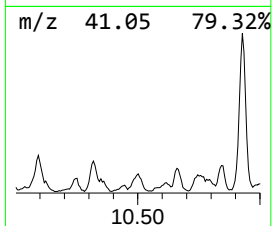
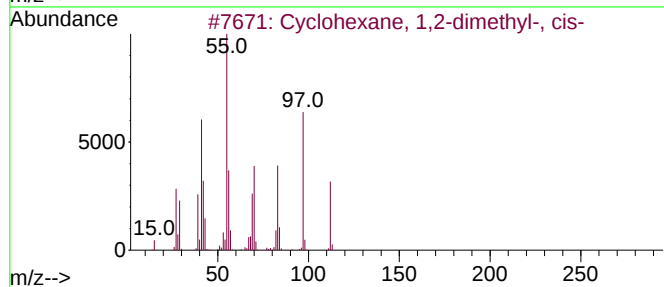
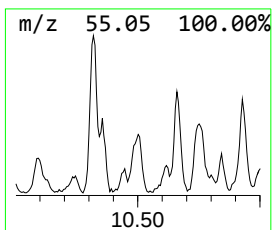
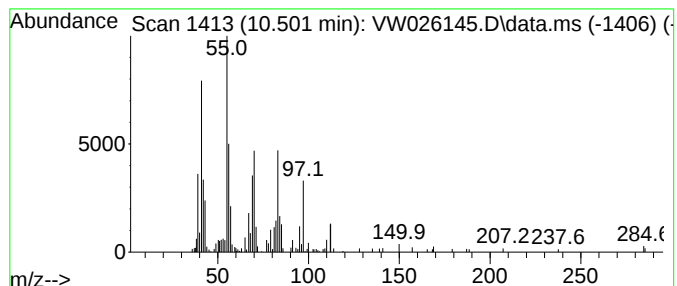
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic10.501 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	1.98 ug/L	87168	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	58
2			2-Octene, (E)-	112	C8H16	013389-42-9	58
3			2-Octene, (Z)-	112	C8H16	007642-04-8	58
4			5-Methyl-1-heptanol	130	C8H18O	007212-53-5	53
5			2-Octene	112	C8H16	000111-67-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

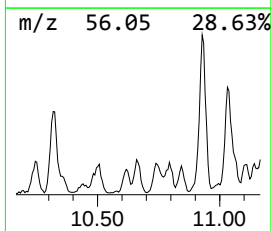
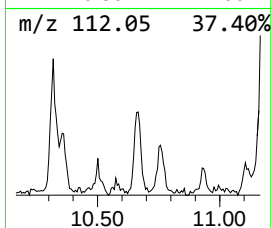
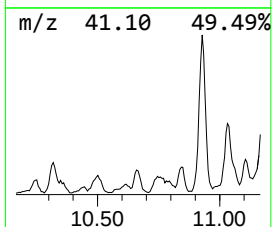
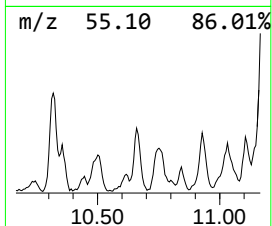
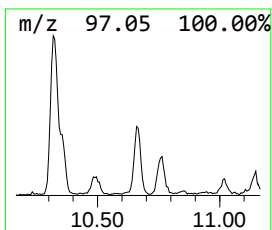
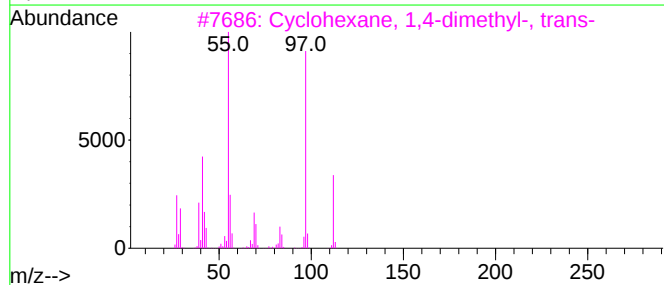
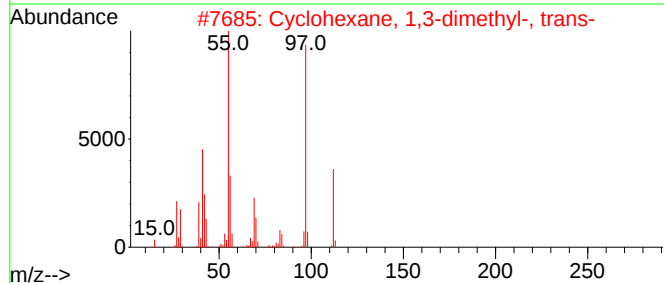
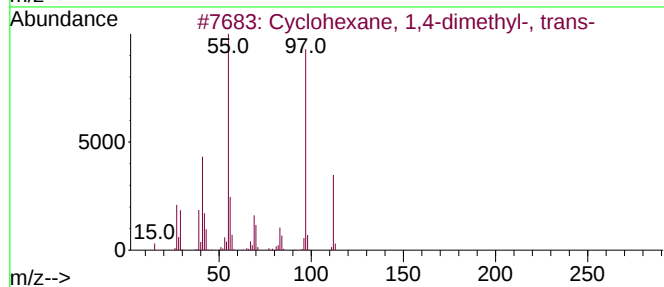
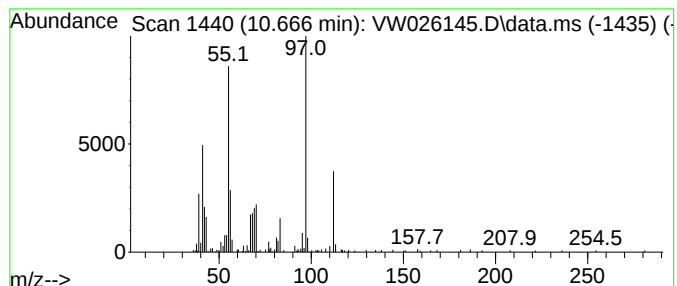
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic10.666 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.99 ug/L	87535	Chlorobenzene-d5	11.629

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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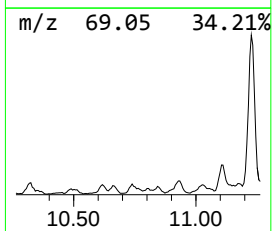
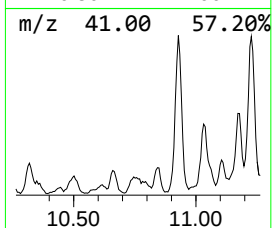
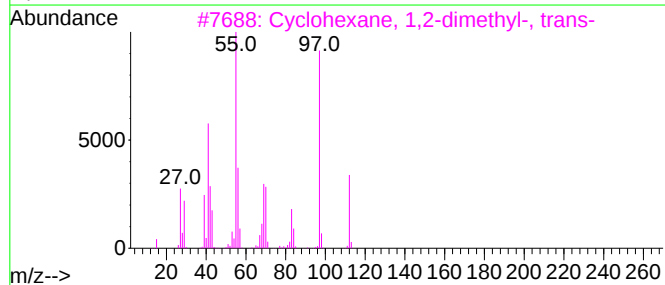
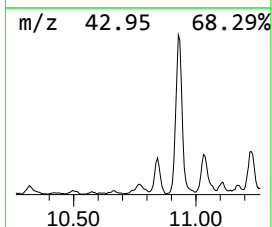
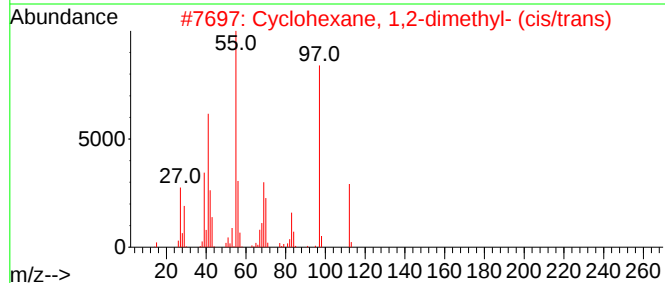
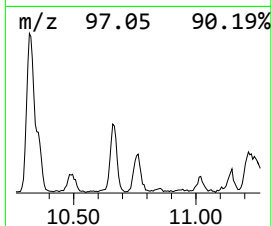
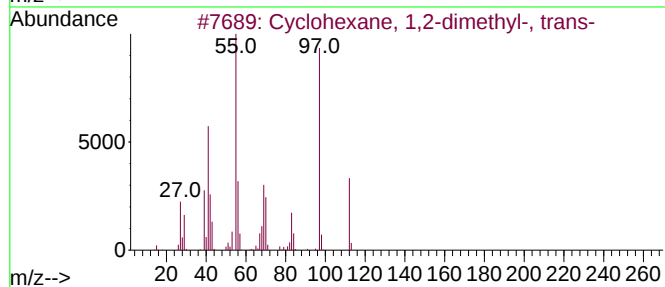
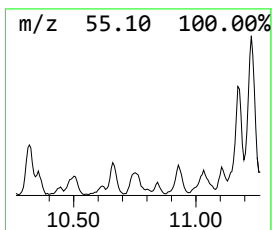
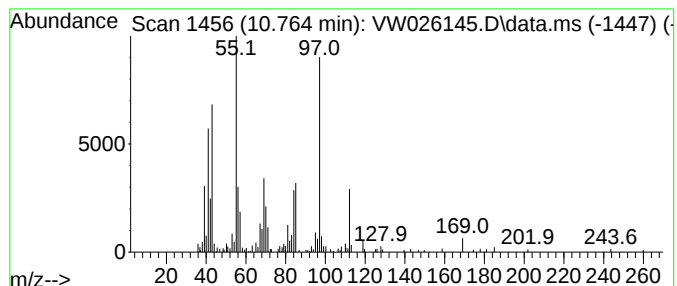
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic10.764 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.764	2.48 ug/L	109423	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	76
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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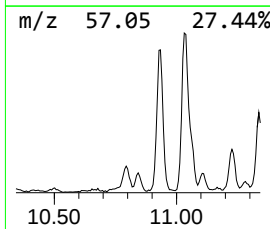
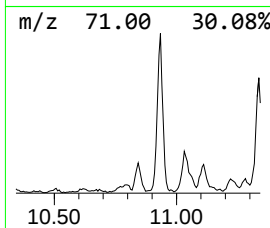
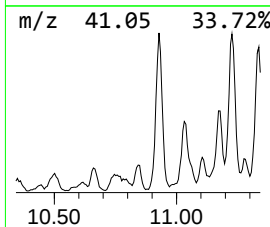
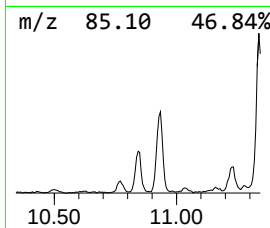
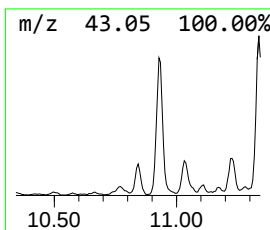
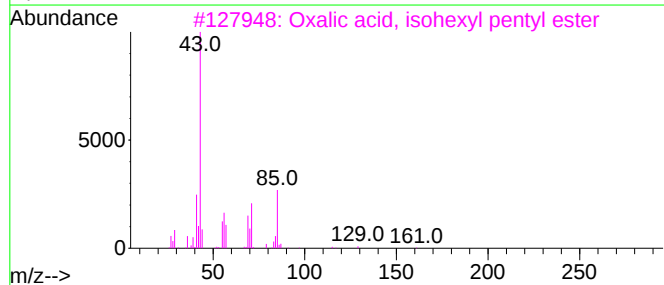
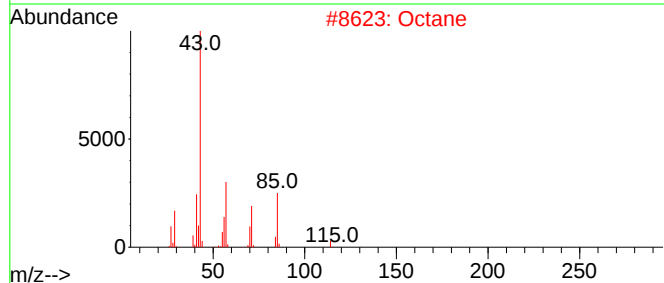
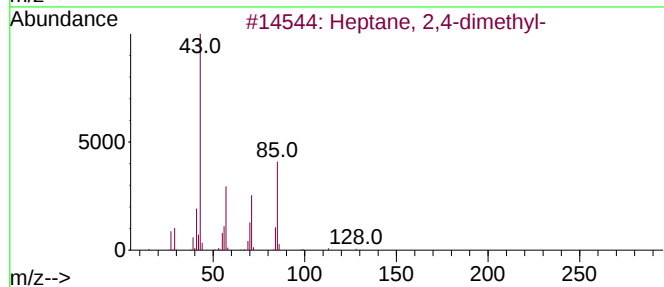
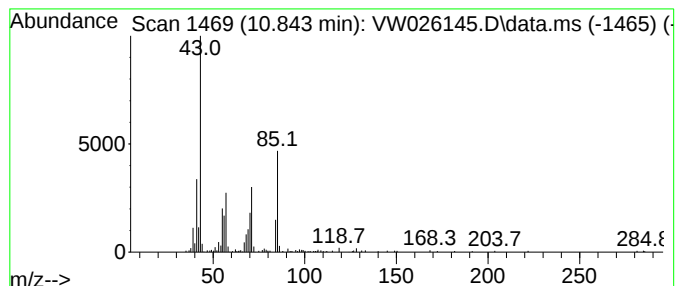
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.843	2.11 ug/L	92776	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
2			Octane	114	C8H18	000111-65-9	72
3			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	72
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	68
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

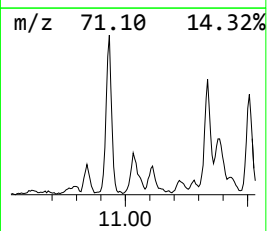
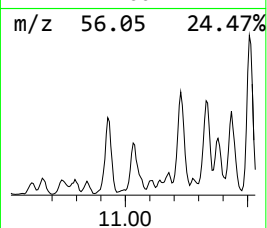
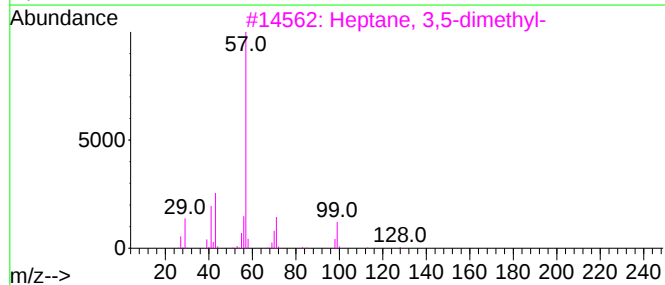
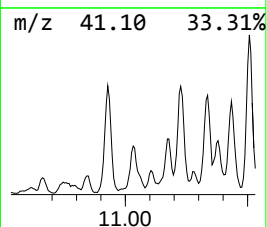
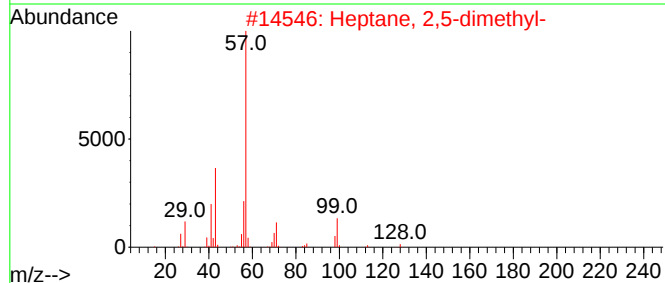
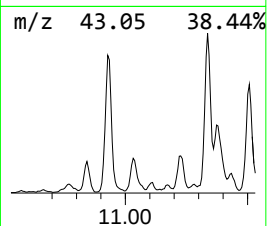
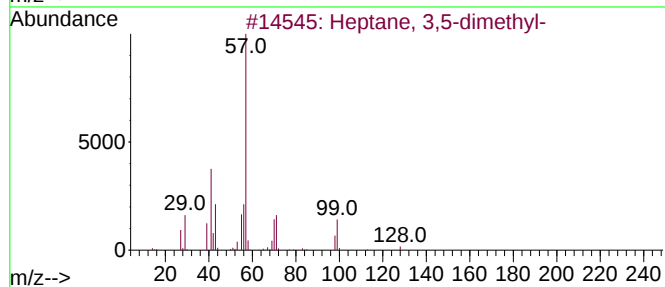
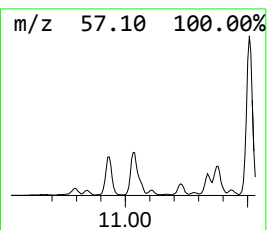
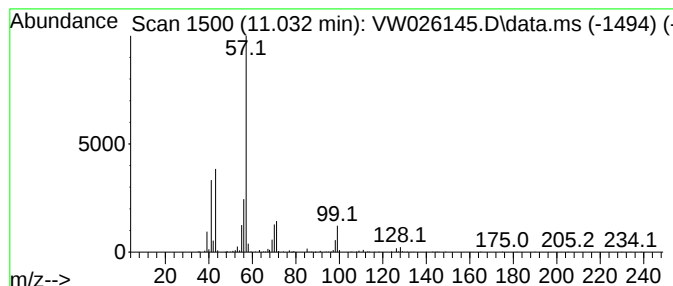
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	5.23 ug/L	230496	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	74
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
5			Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

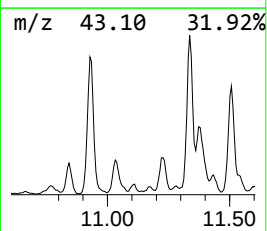
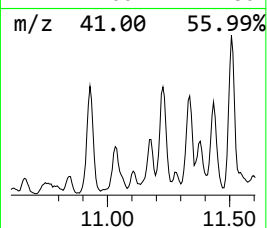
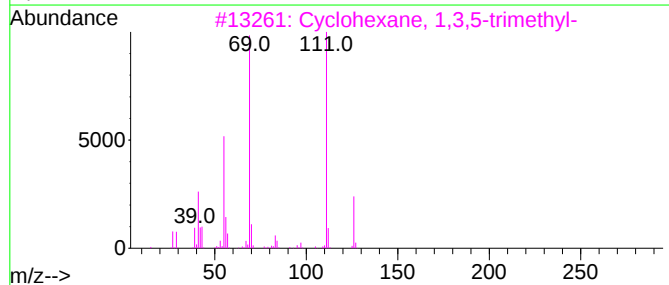
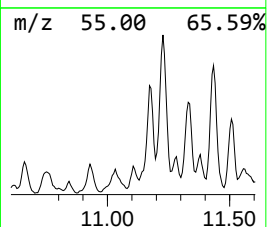
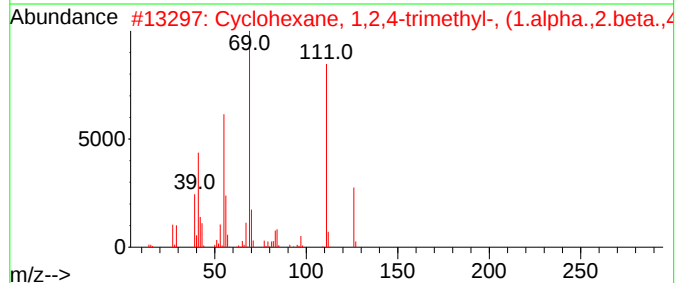
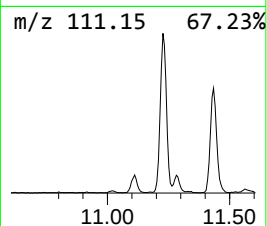
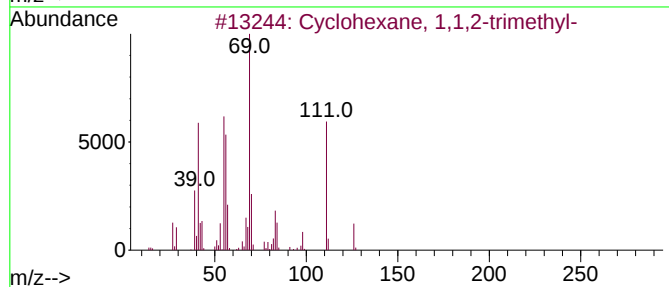
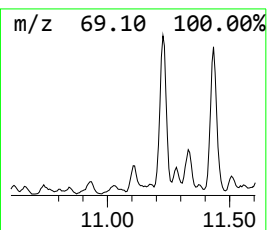
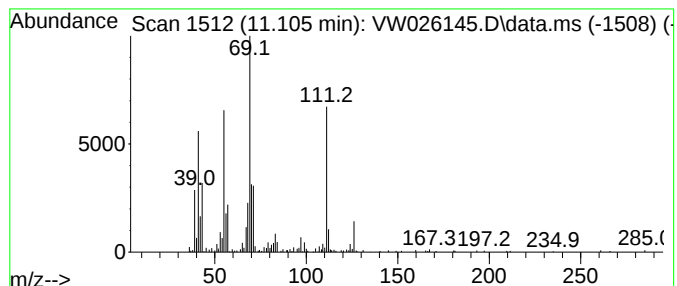
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic11.105 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	2.20 ug/L	96974	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	72
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	62
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	58
4		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

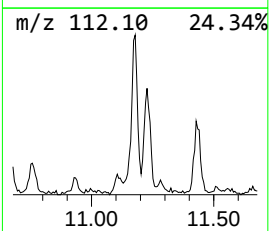
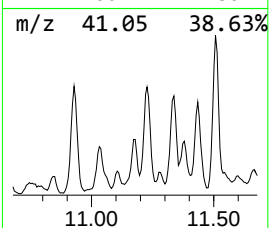
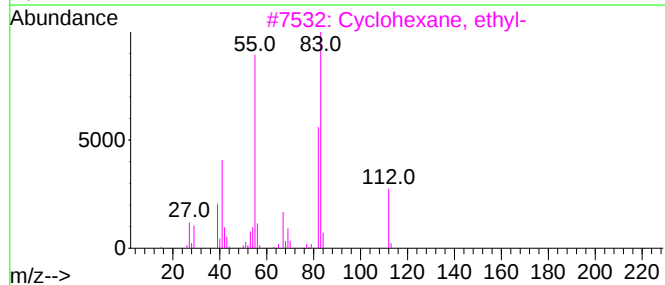
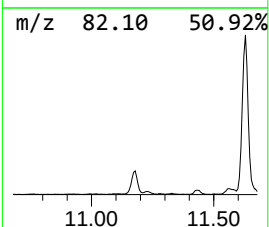
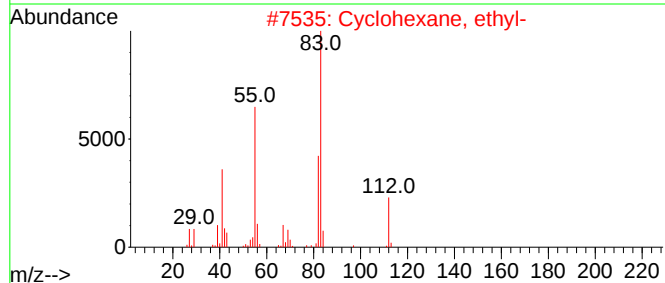
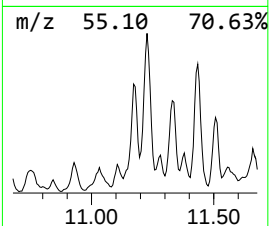
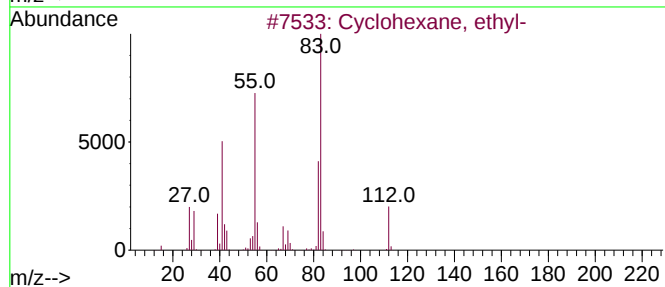
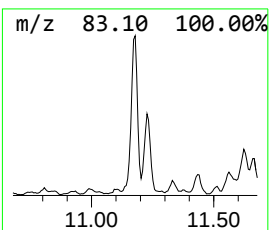
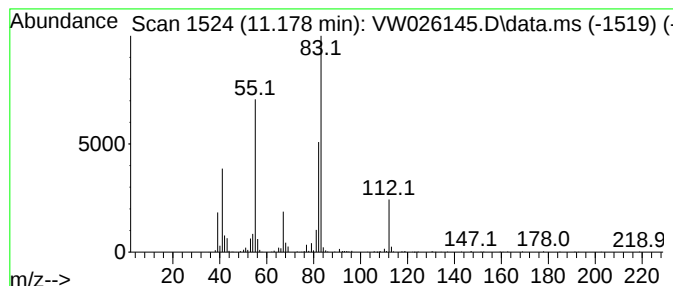
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic11.178 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	4.37 ug/L	192599	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

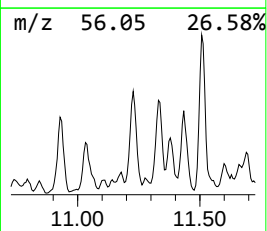
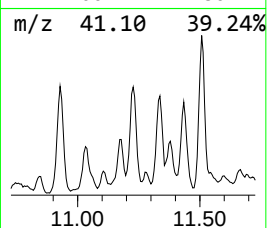
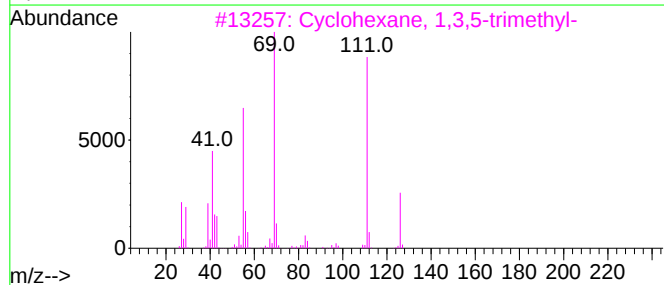
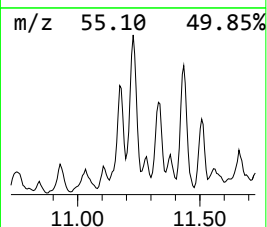
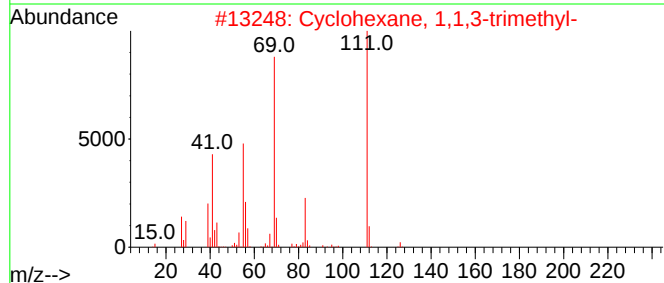
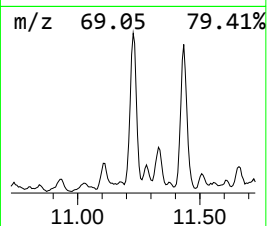
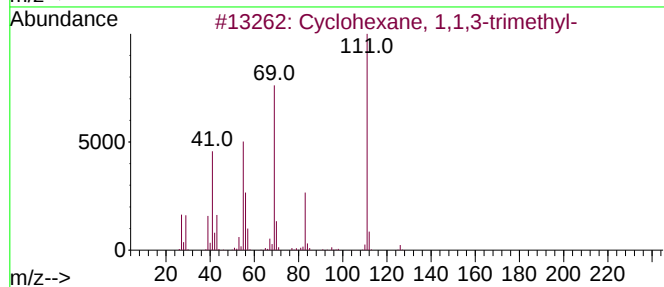
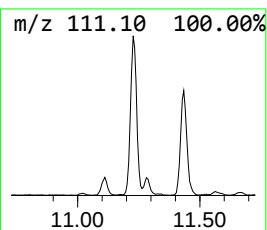
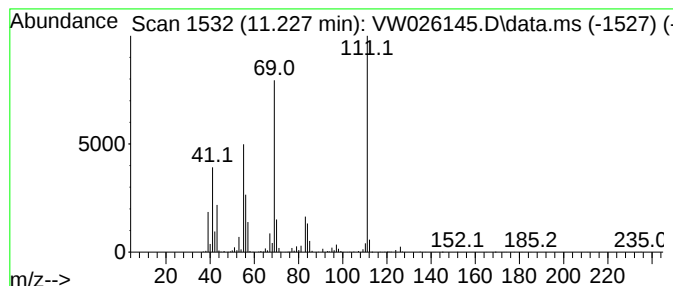
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.227 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.227	13.61 ug/L	599550	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	87
2	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	81
3	Cyclohexane, 1,3,5-trimethyl-		126	C9H18	001839-63-0	64
4	Cyclooctane, butyl-		168	C12H24	016538-93-5	53
5	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

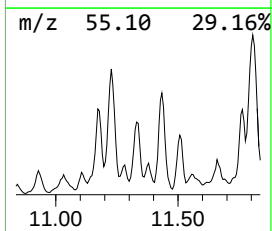
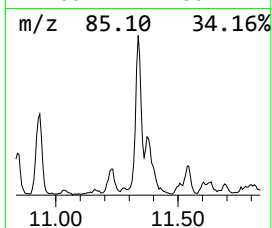
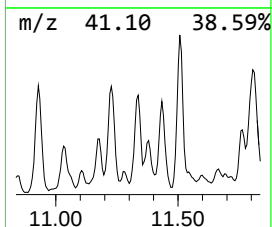
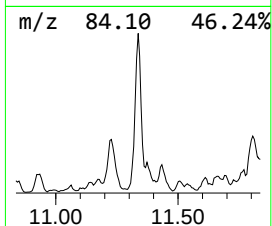
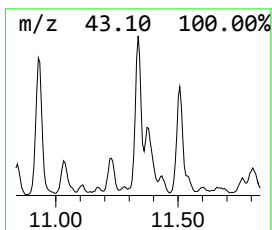
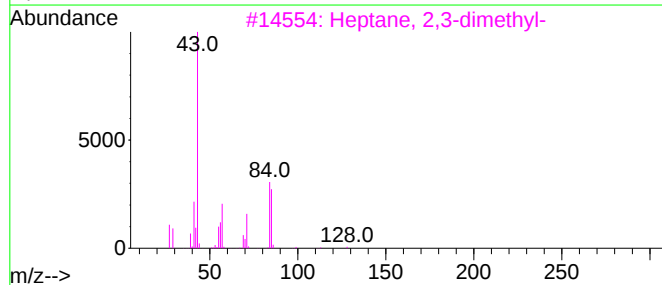
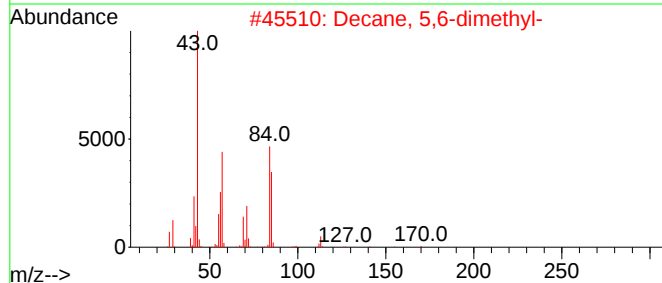
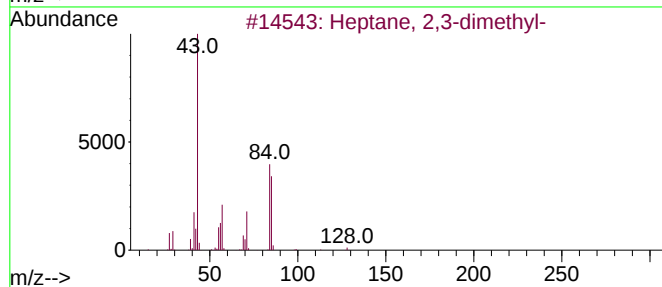
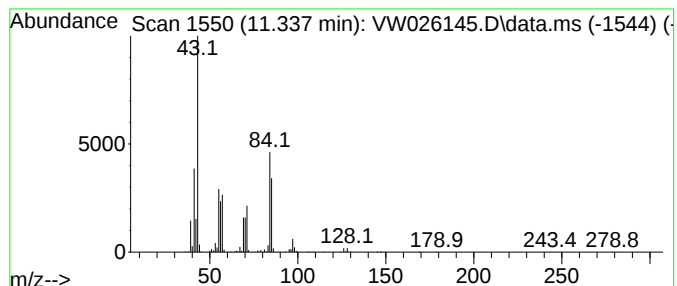
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.337	11.56 ug/L	508853	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	80
2		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	78
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

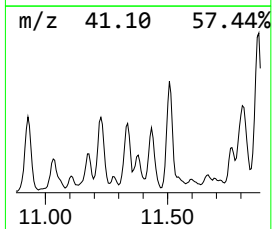
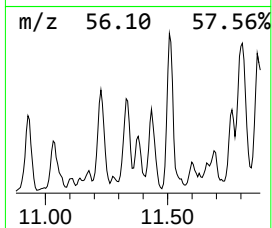
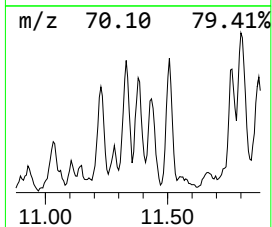
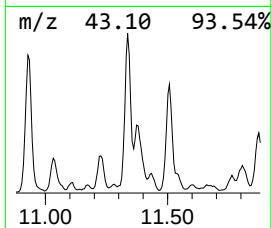
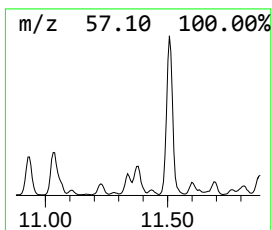
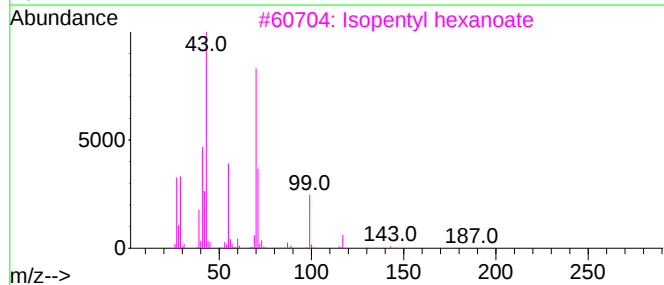
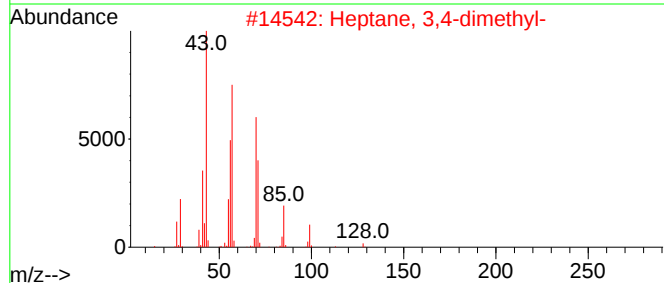
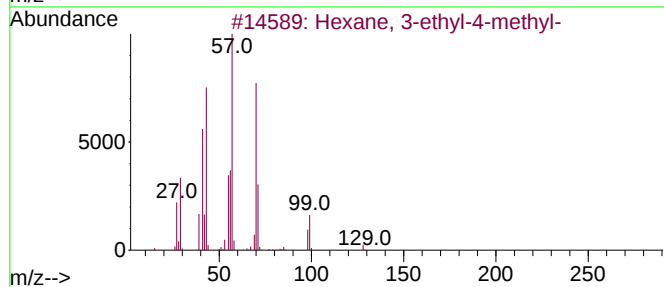
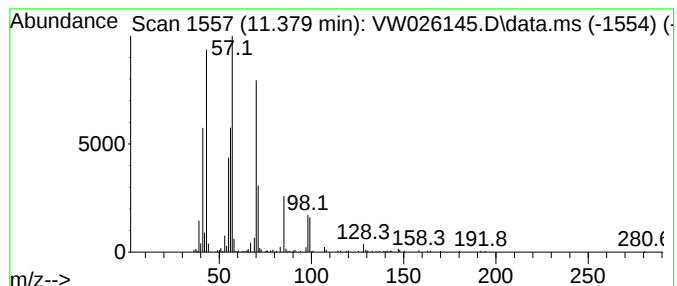
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.379	3.66 ug/L	161079	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	87
2		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
3		Isopentyl hexanoate	186	C11H22O2	002198-61-0	47
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47
5		Heptane, 3-ethyl-5-methylene-	140	C10H20	1010160-41-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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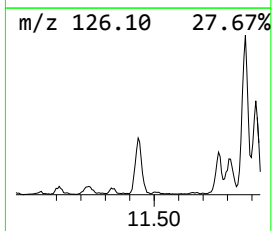
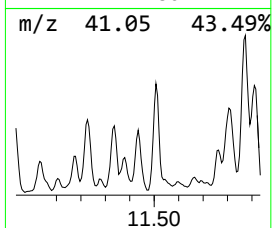
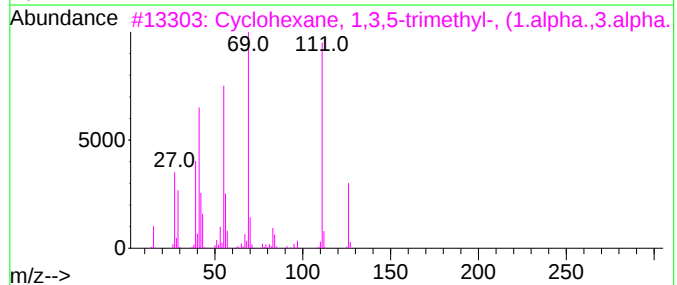
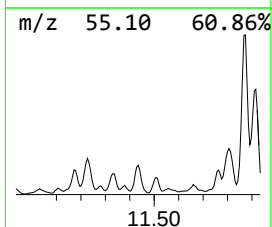
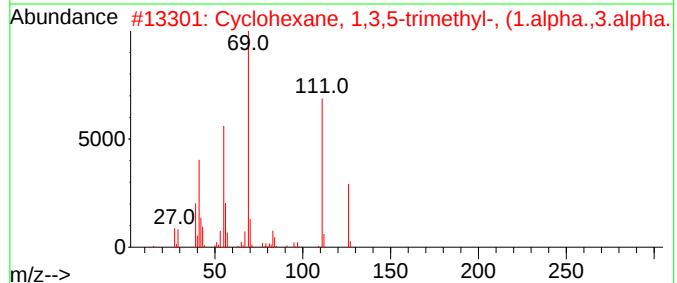
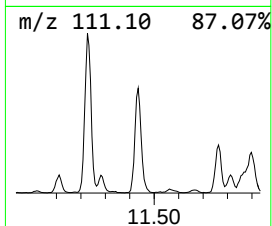
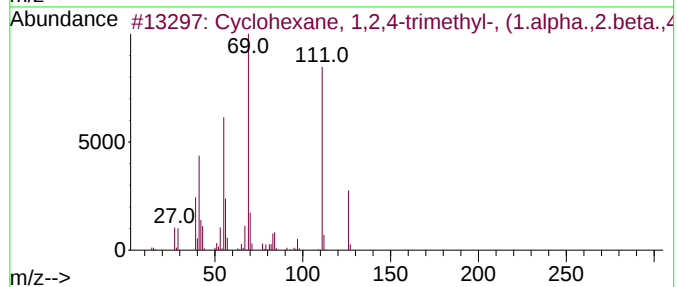
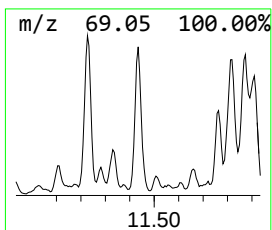
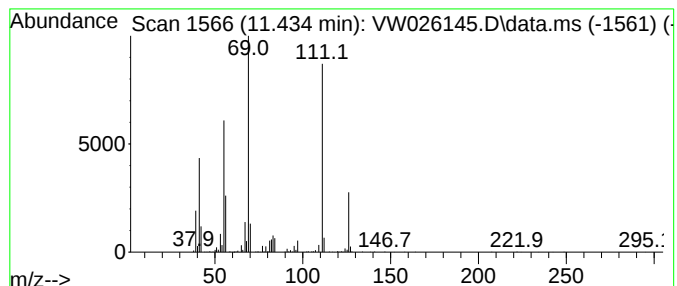
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic11.434 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	11.21 ug/L	493637	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	95
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

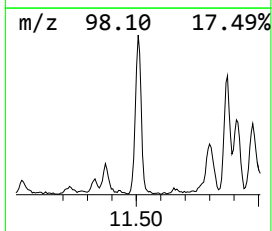
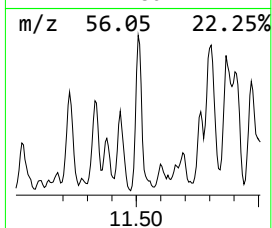
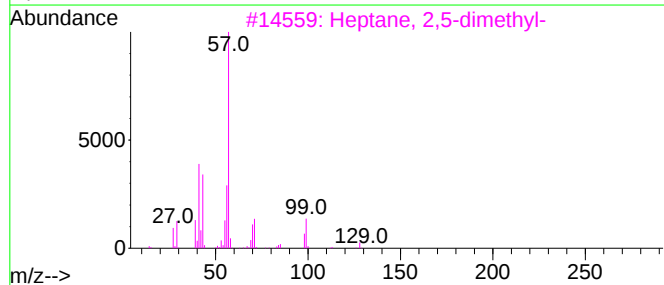
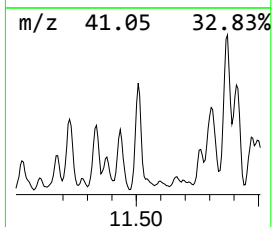
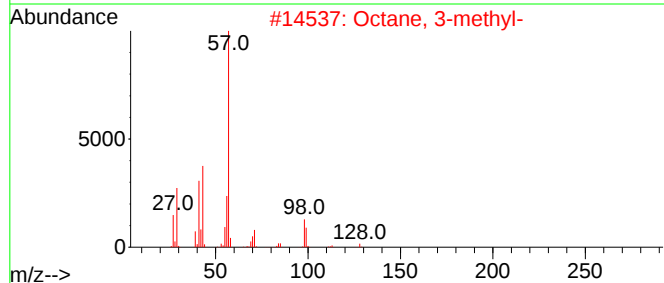
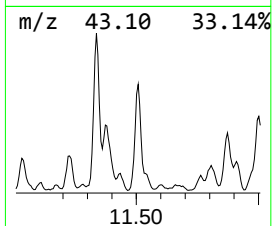
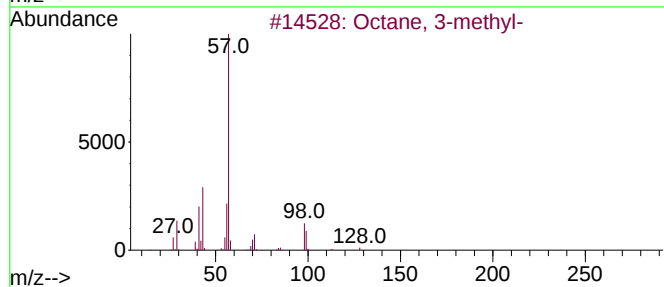
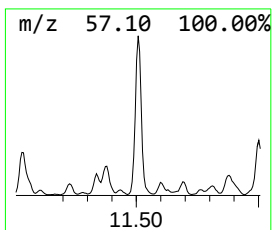
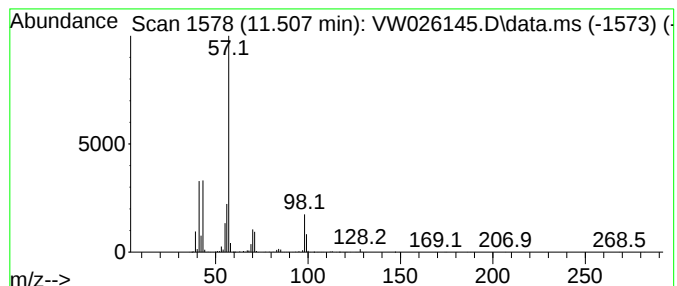
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.507	17.13 ug/L	754440	Chlorobenzene-d5		11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	86
2		Octane, 3-methyl-	128	C9H20	002216-33-3	86
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

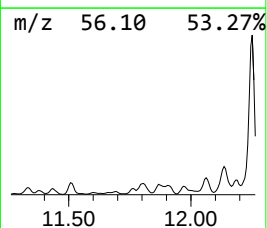
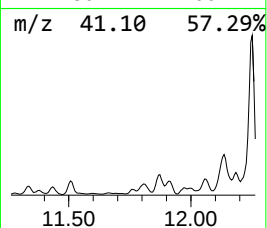
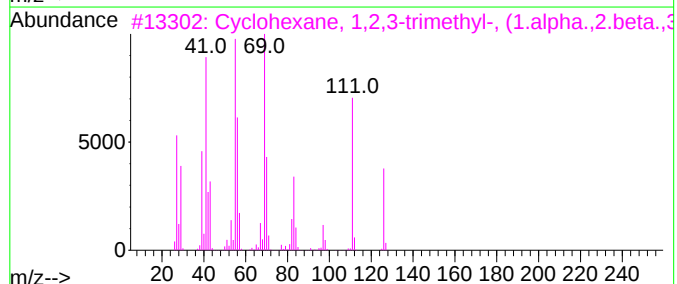
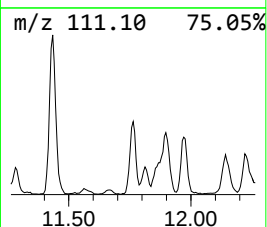
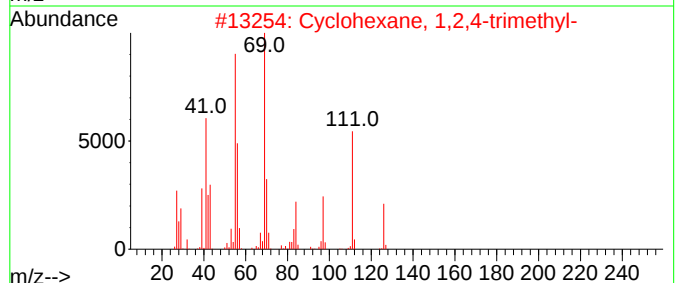
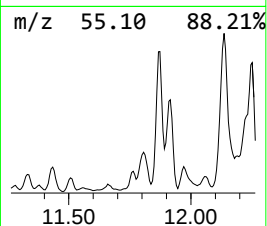
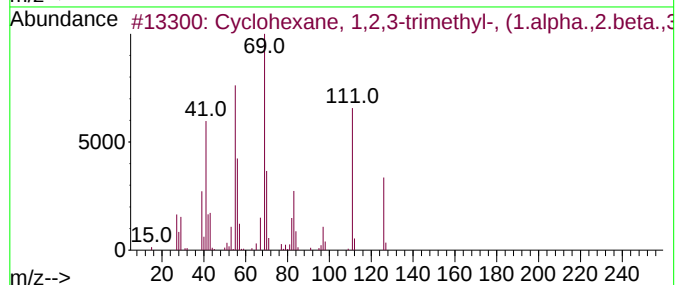
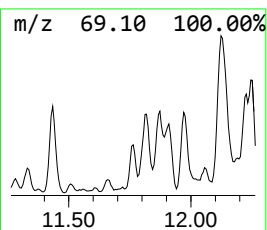
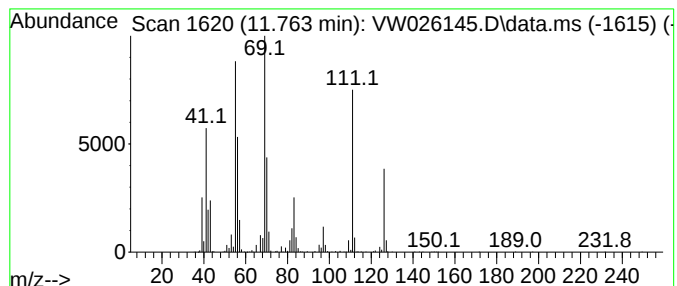
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.763 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	6.41 ug/L	282064	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	91
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	86
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

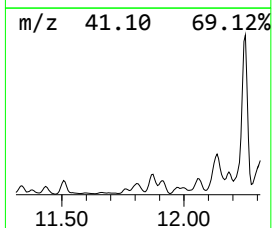
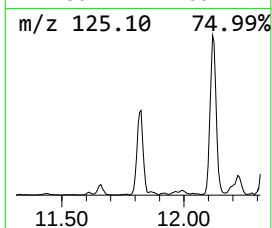
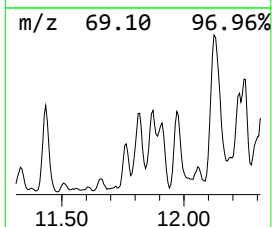
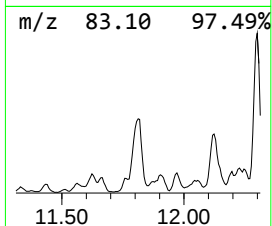
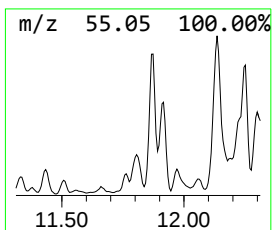
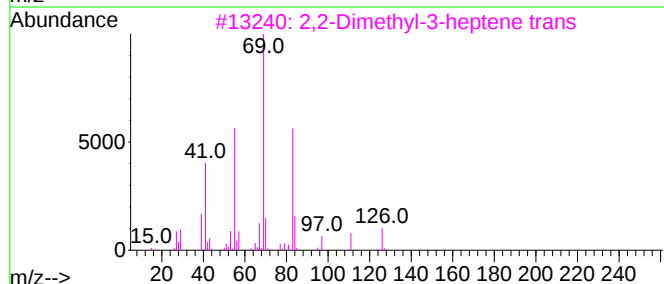
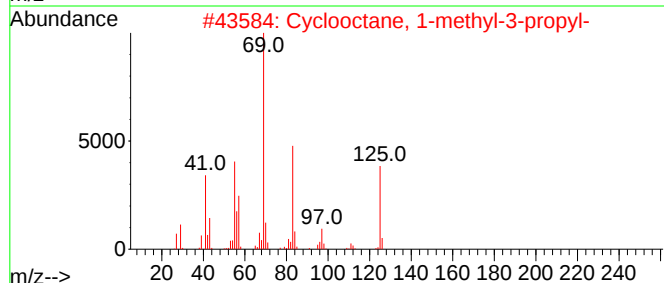
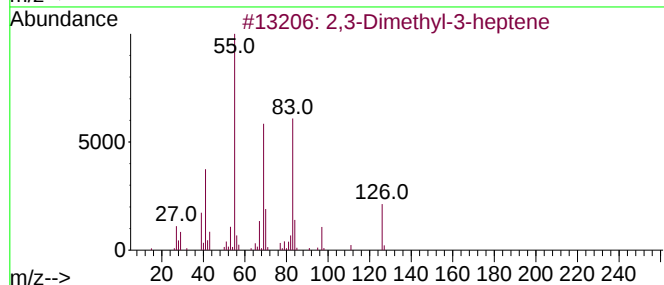
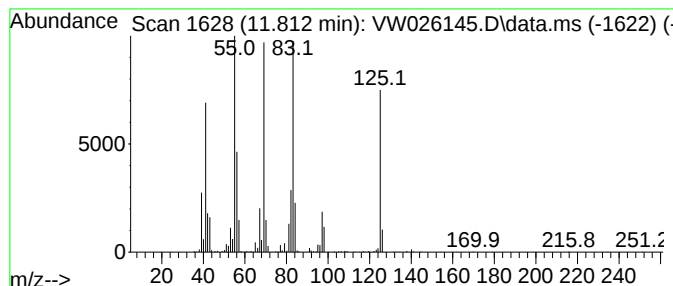
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.812	15.24 ug/L	670940	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	53	
2	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50	
3	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38	
4	2-Methyl-2-octene	126	C9H18	016993-86-5	27	
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	27	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

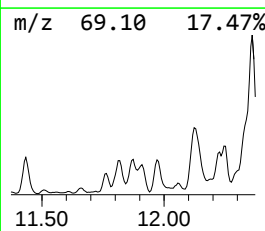
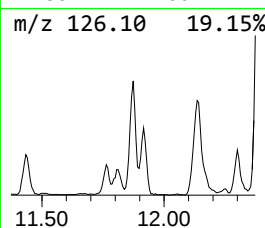
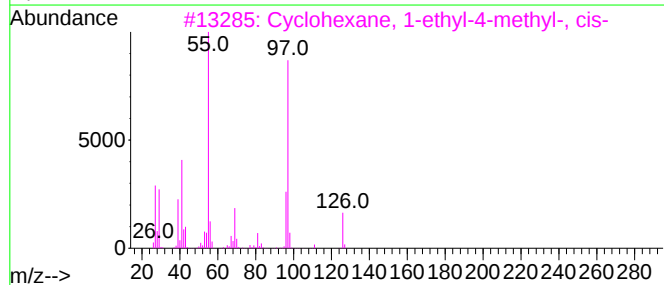
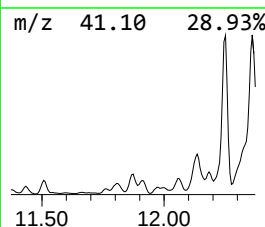
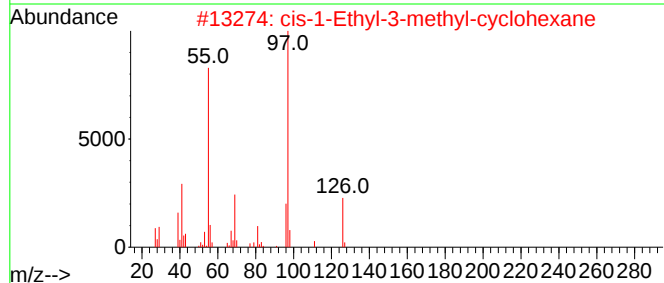
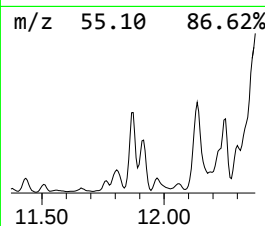
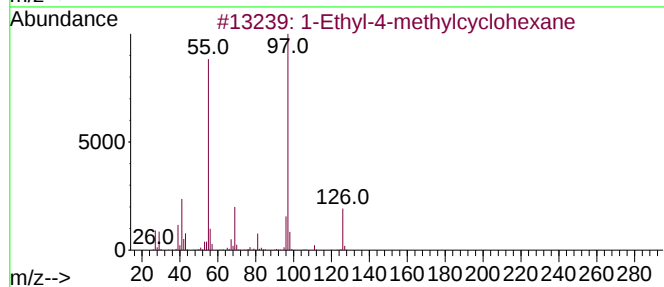
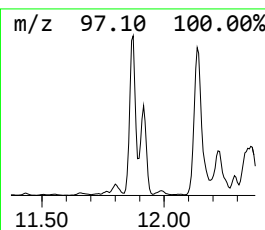
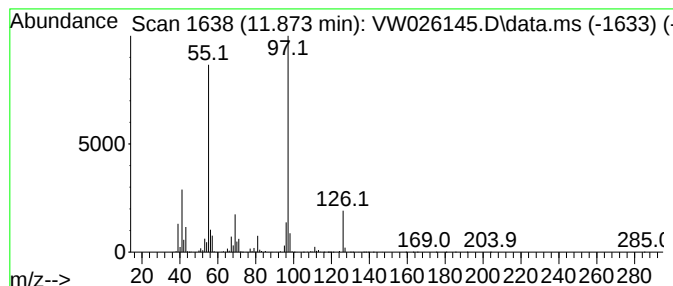
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.873 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	30.34 ug/L	1336210	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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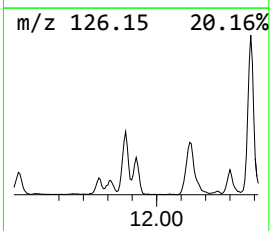
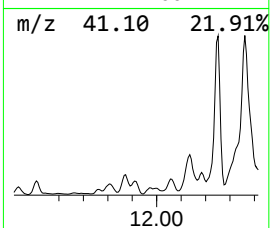
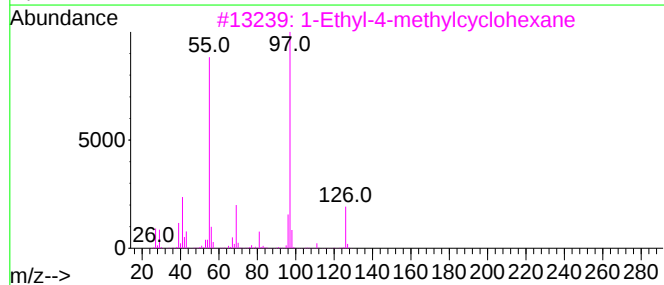
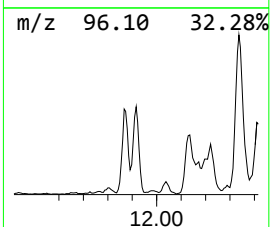
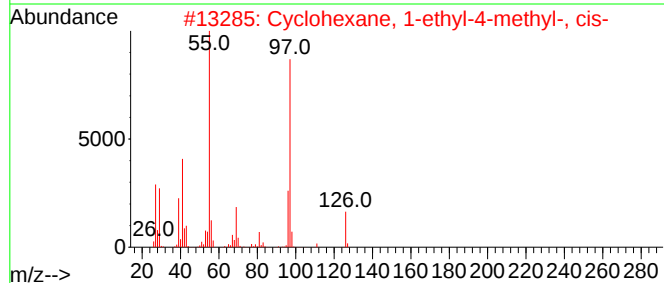
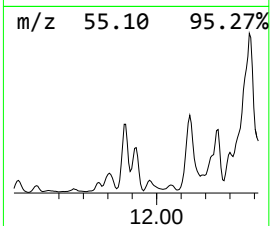
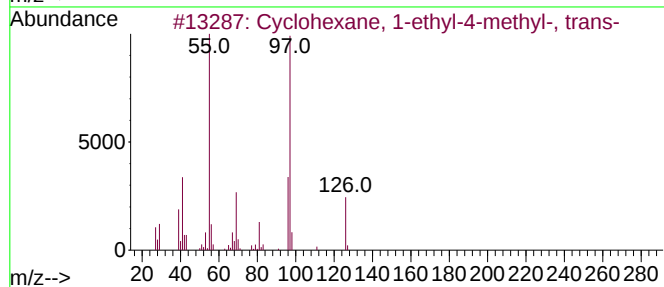
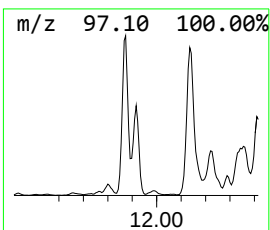
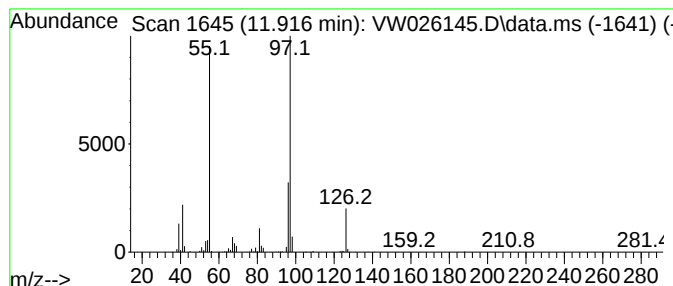
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.916 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	21.86 ug/L	962448	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

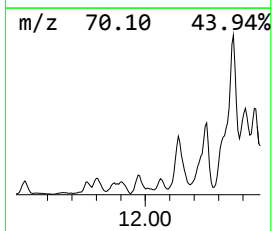
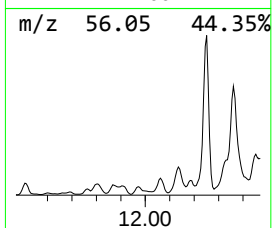
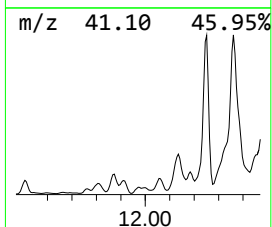
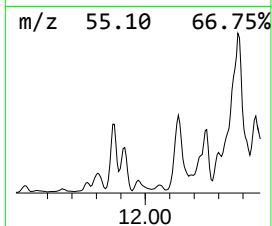
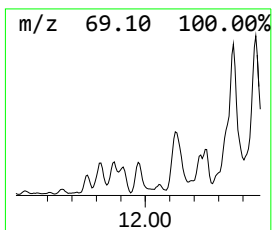
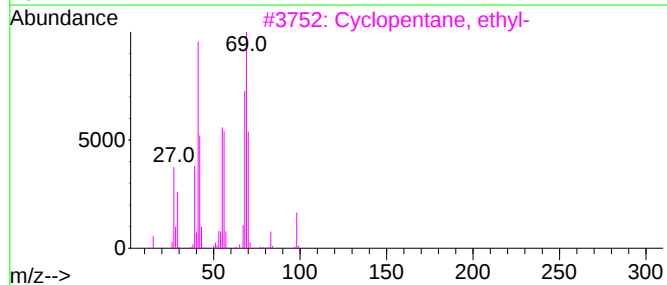
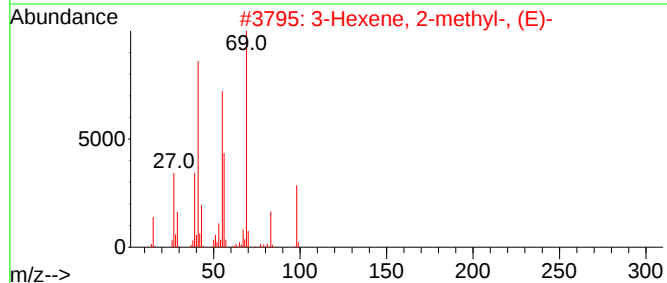
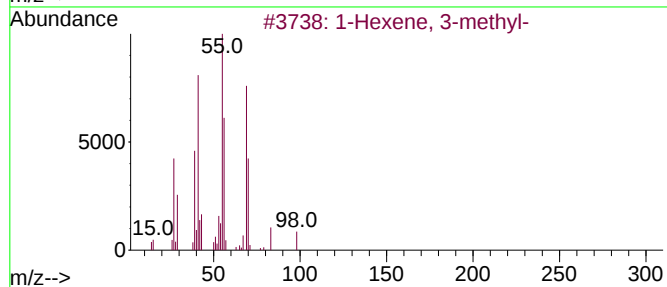
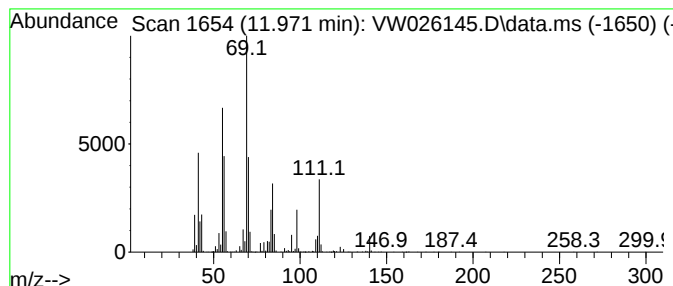
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.971	11.02 ug/L	485094	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	68
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	58
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
4	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50
5	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

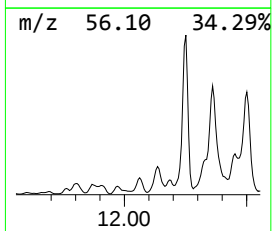
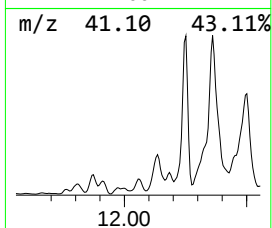
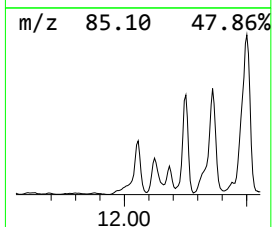
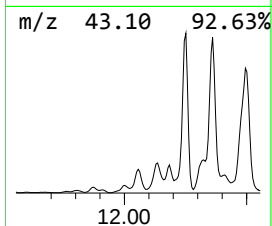
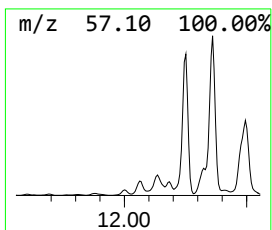
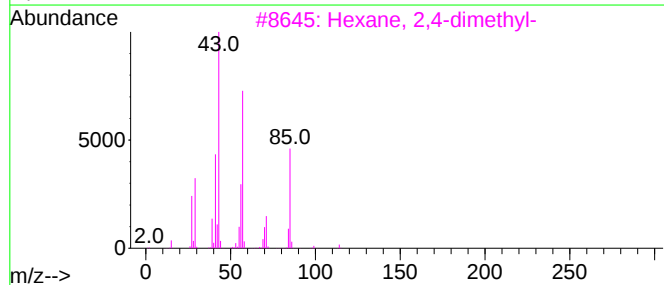
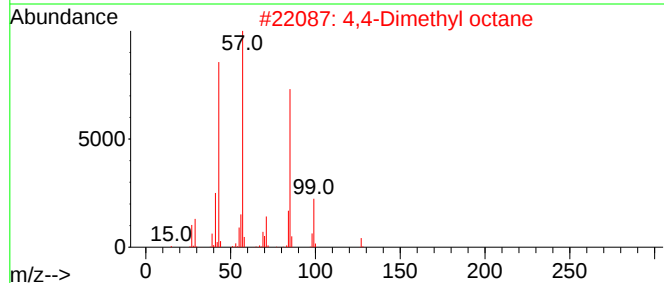
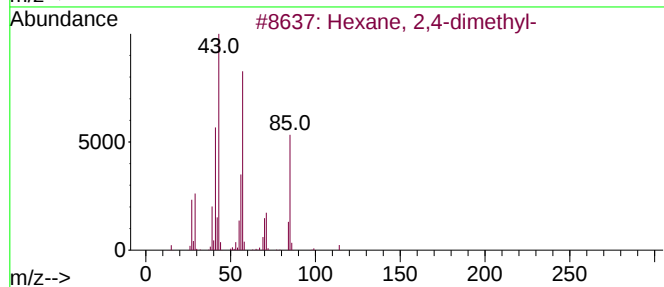
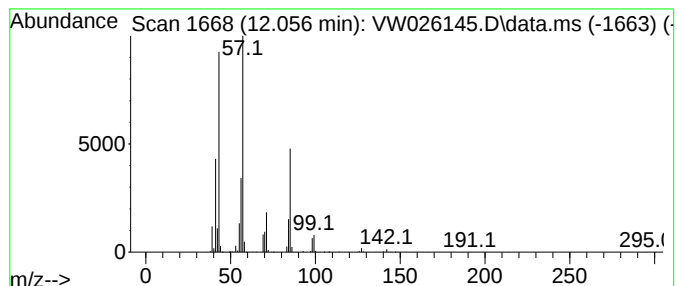
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	17.10 ug/L	752875	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
2		4,4-Dimethyl octane	142	C10H22	015869-95-1	72
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
5		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

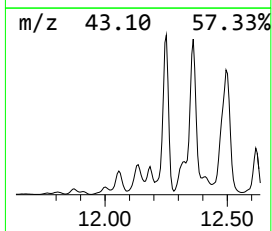
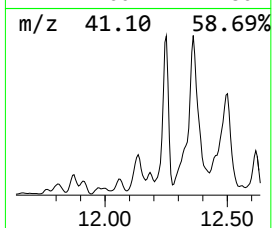
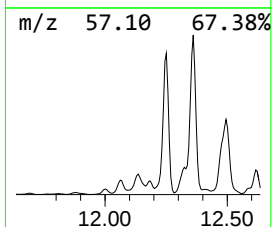
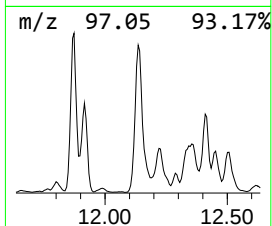
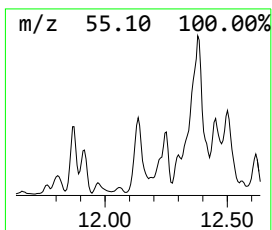
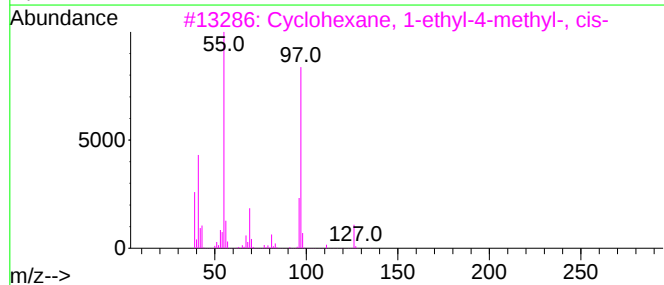
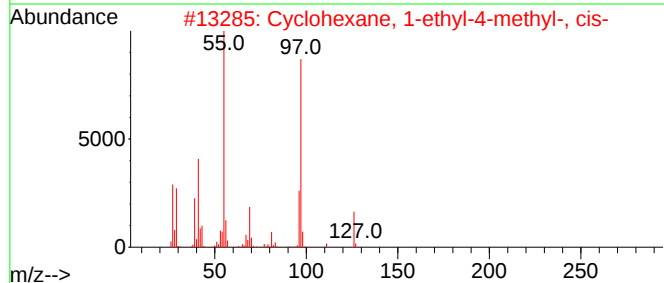
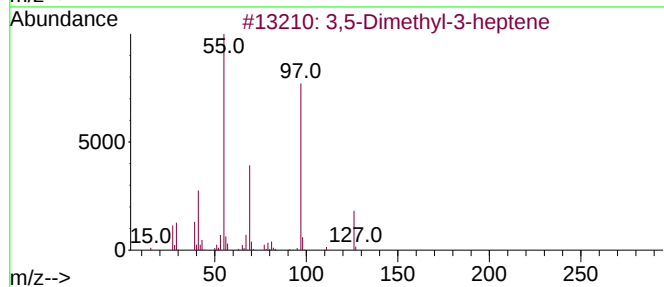
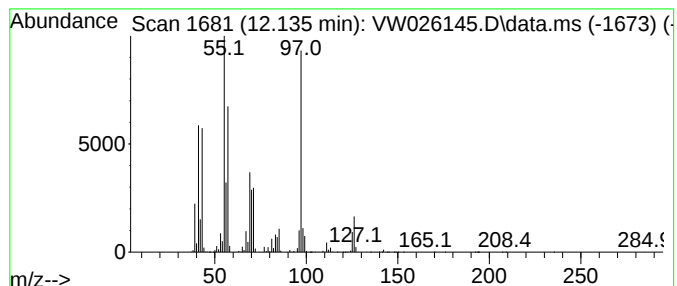
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.135	77.02 ug/L	3391870	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

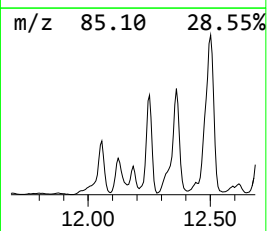
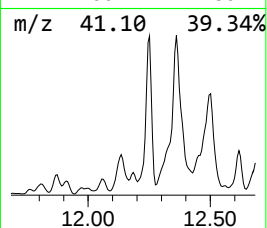
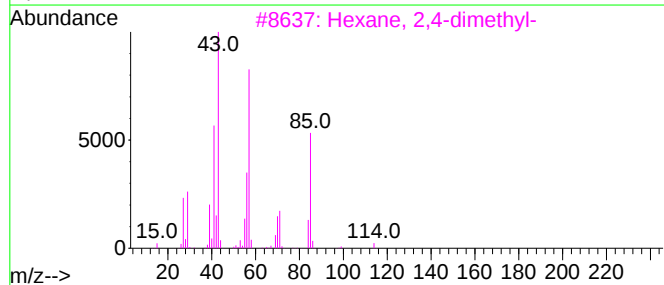
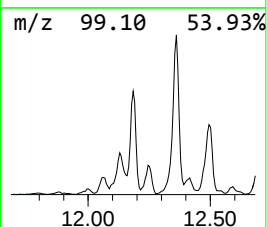
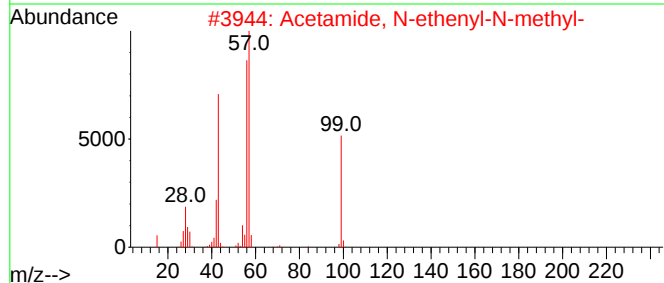
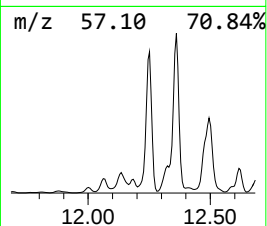
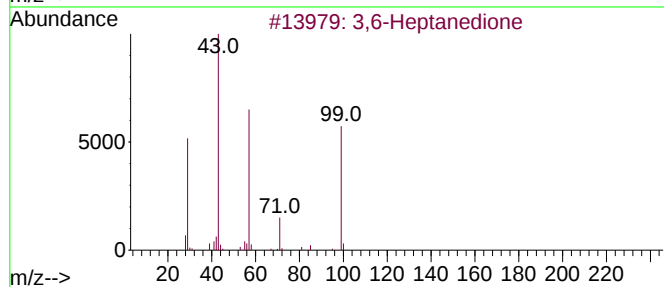
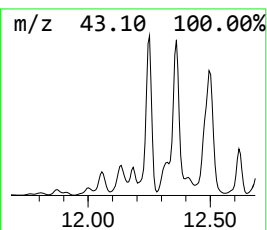
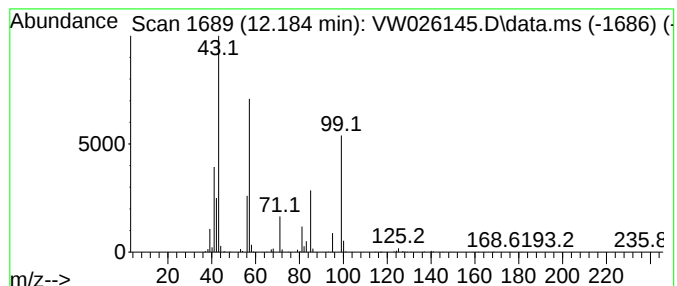
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Quant Title : SFAM01.0

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

Peak Number 27 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.184	20.92 ug/L	921086	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,6-Heptanedione	128	C7H12O2	001703-51-1	47
2		Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
4		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	43
5		Hexanoyl chloride	134	C6H11ClO	000142-61-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

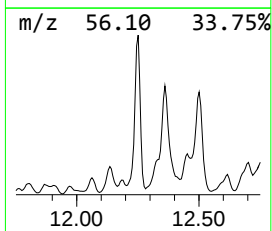
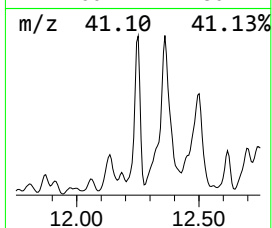
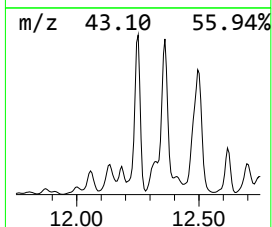
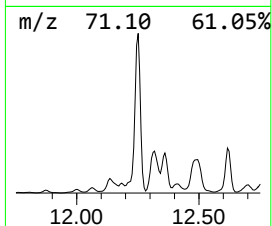
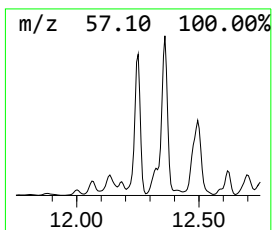
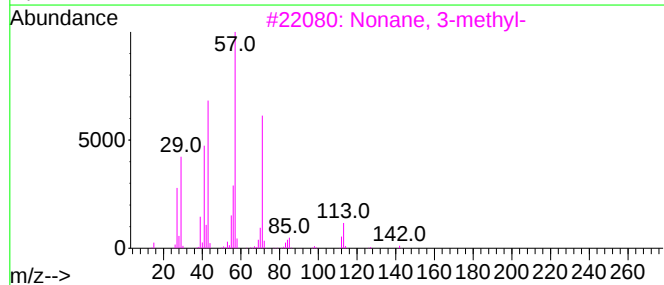
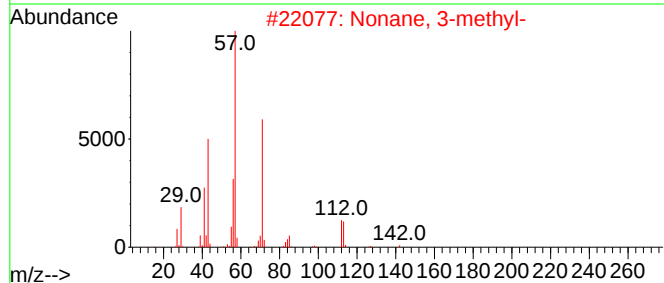
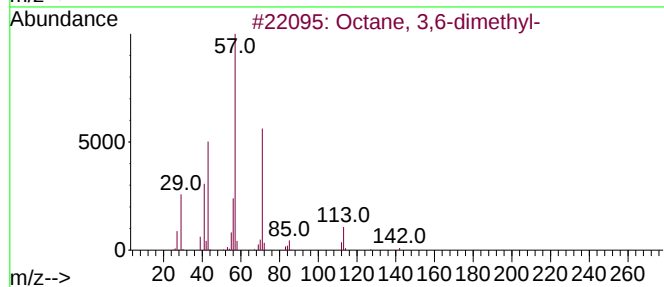
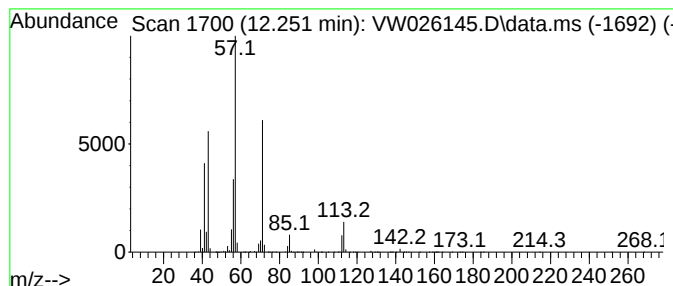
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	186.47 ug/L	8211440	Chlorobenzene-d5	11.629

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

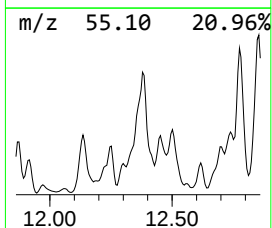
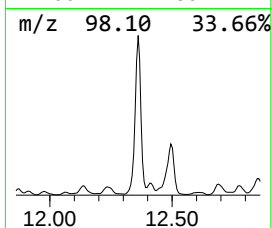
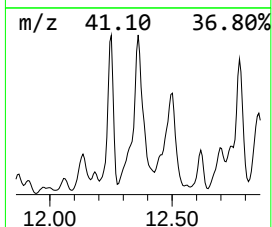
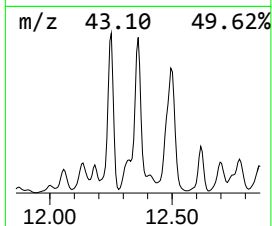
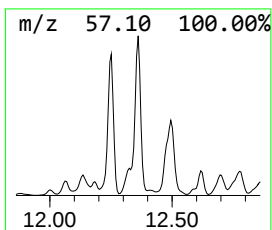
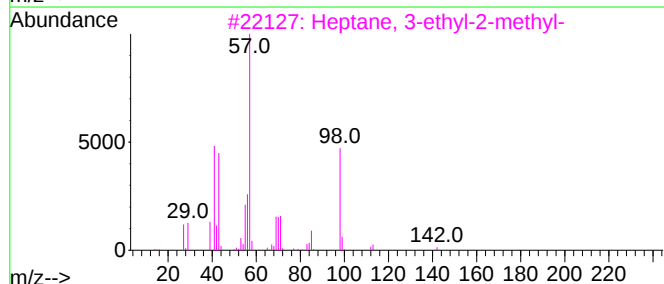
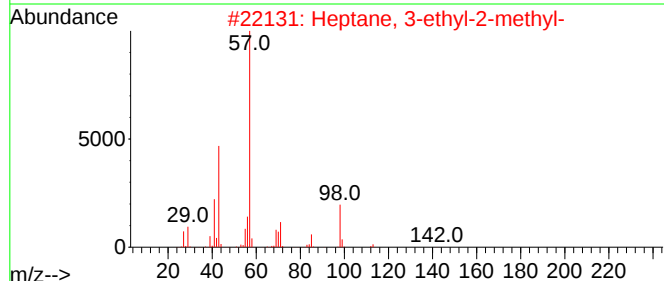
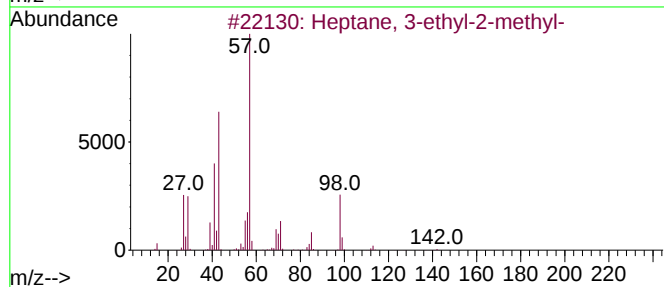
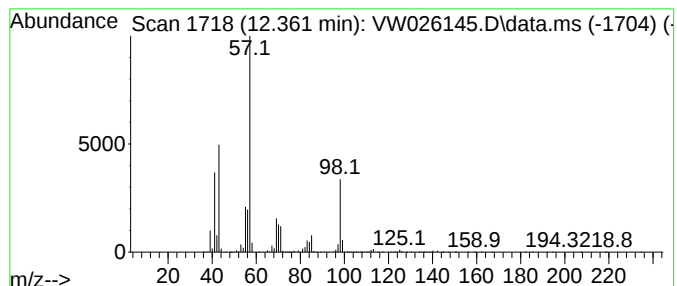
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	383.35 ug/L	16881500	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	91
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

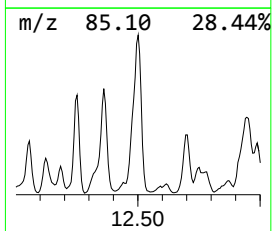
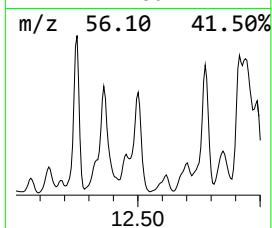
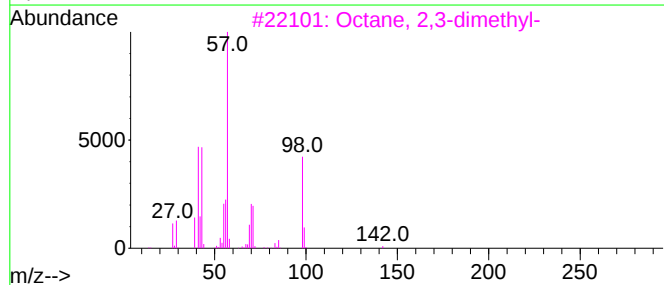
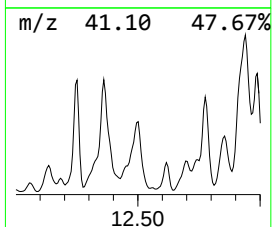
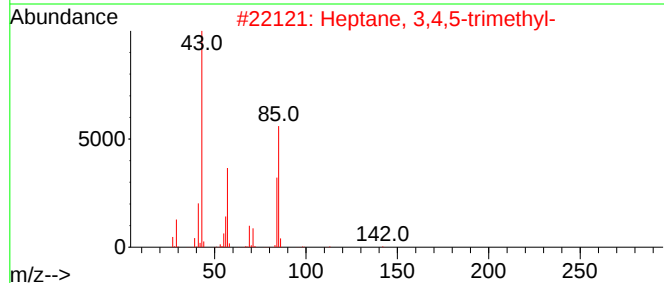
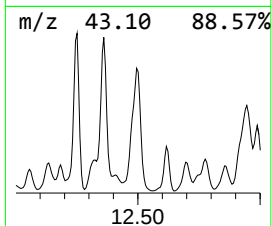
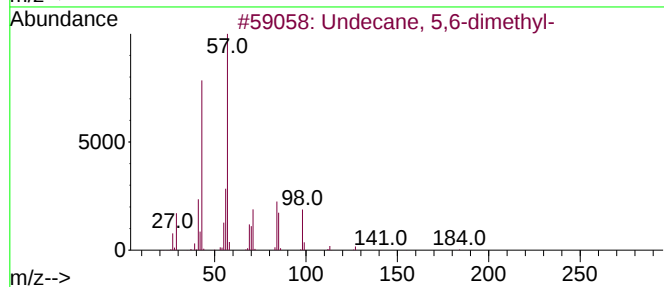
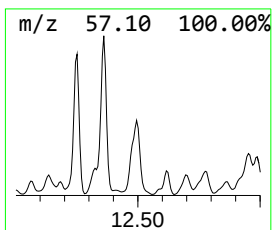
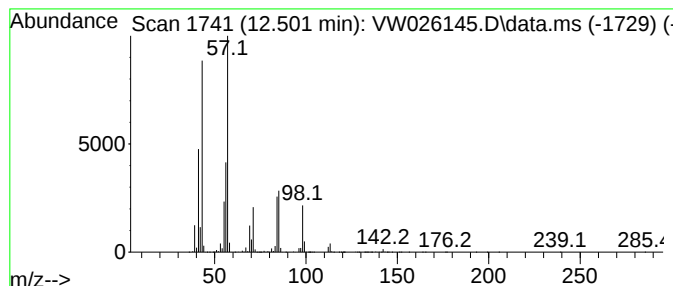
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.501	244.65 ug/L	10773400	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	83
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

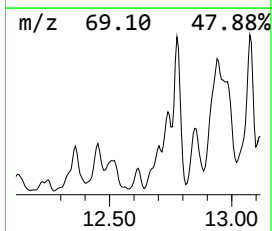
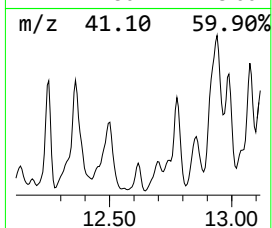
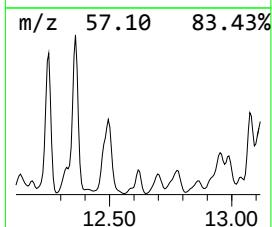
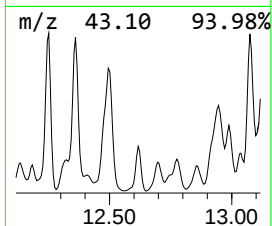
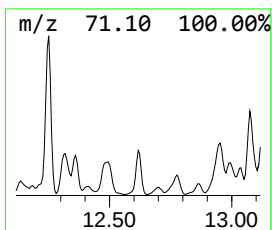
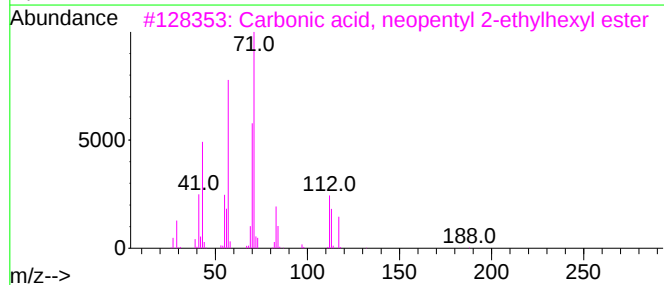
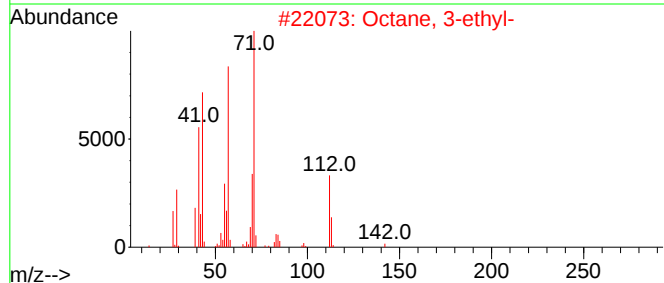
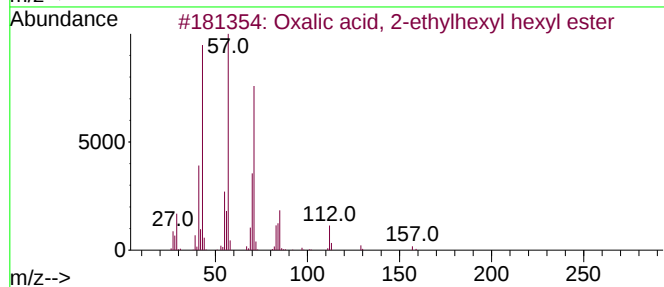
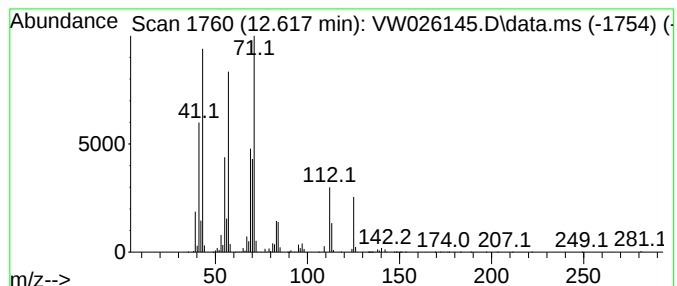
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Quant Title : SFAM01.0

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

Peak Number 31 Oxalic acid, 2-ethylhexyl h... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	11.19 ug/L	2554740	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	72
2			Octane, 3-ethyl-	142	C10H22	005881-17-4	70
3			Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	64
4			Octane, 3-ethyl-	142	C10H22	005881-17-4	58
5			Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

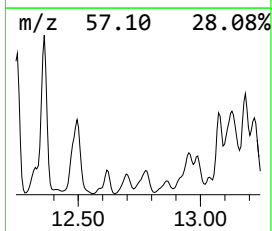
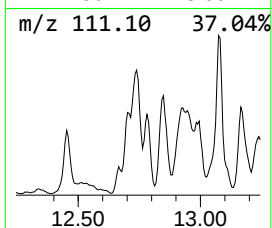
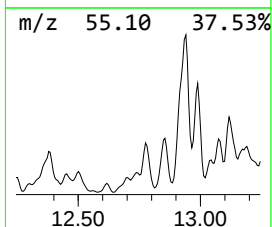
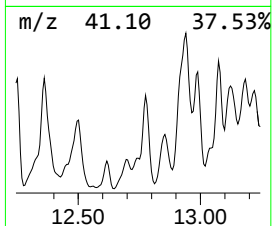
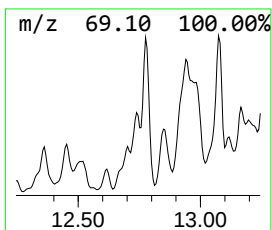
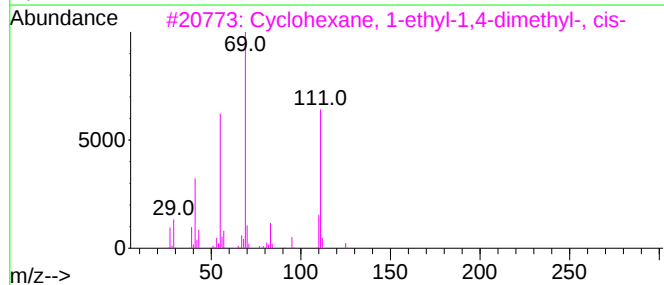
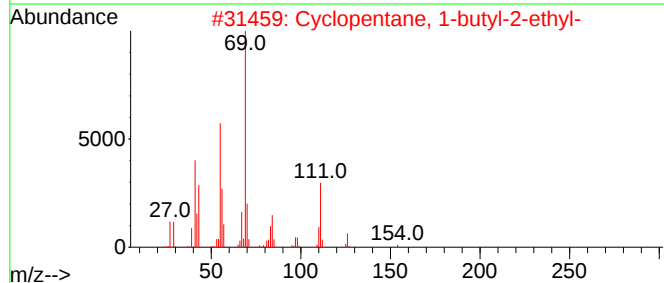
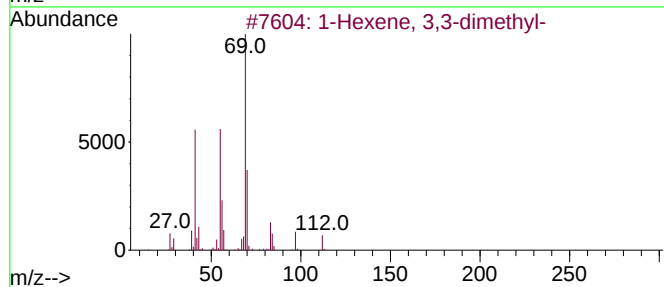
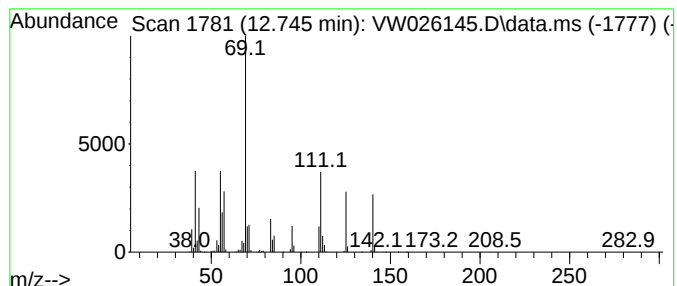
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.745	3.74 ug/L	855030	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	55
2	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	53
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	53
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	53
5	6-Ethyl-2,3-dihydropyran-2,4-dione	140	C7H8O3	004435-30-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

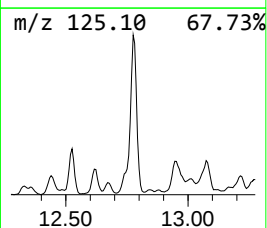
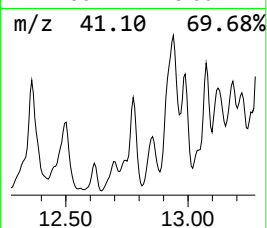
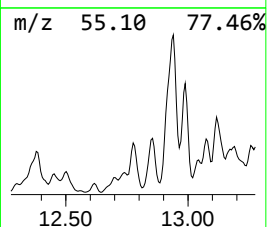
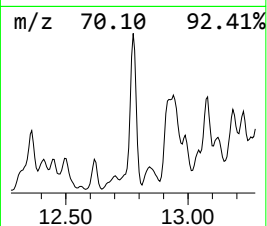
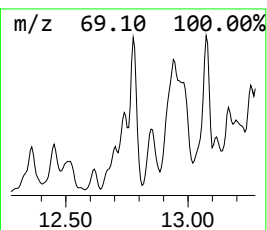
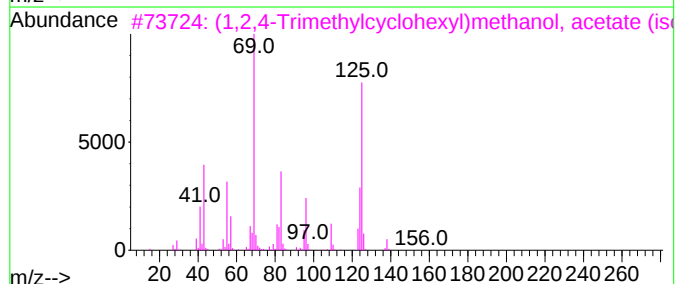
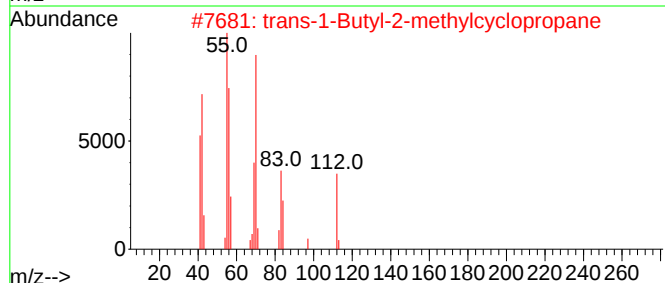
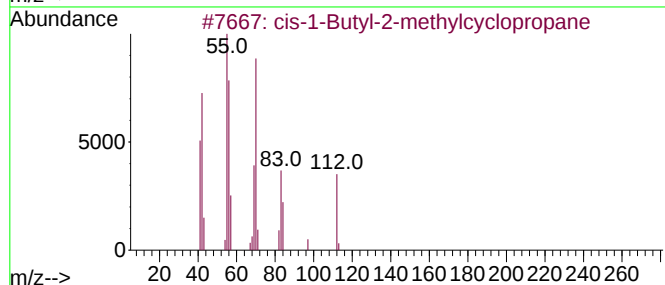
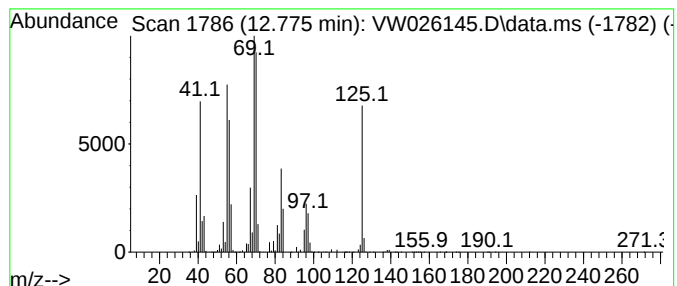
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic12.775 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	38.45 ug/L	8779740	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
2			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3			(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	43
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

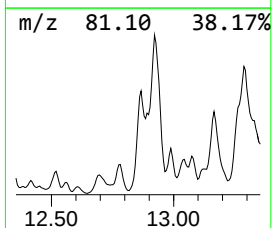
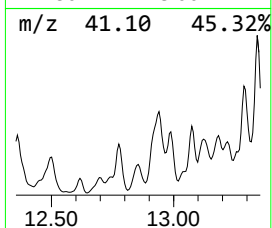
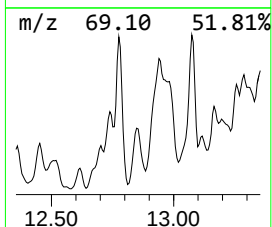
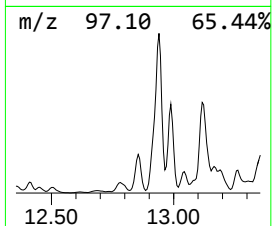
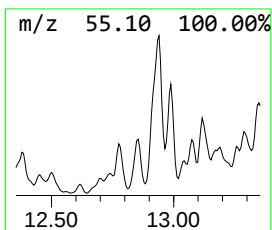
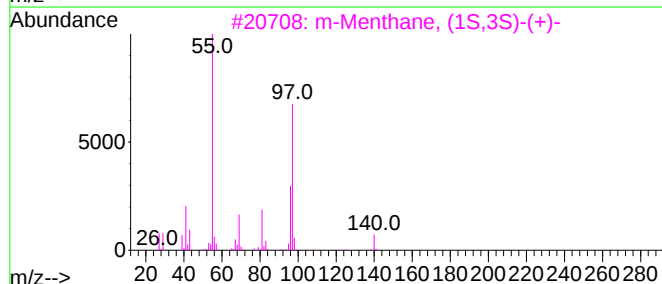
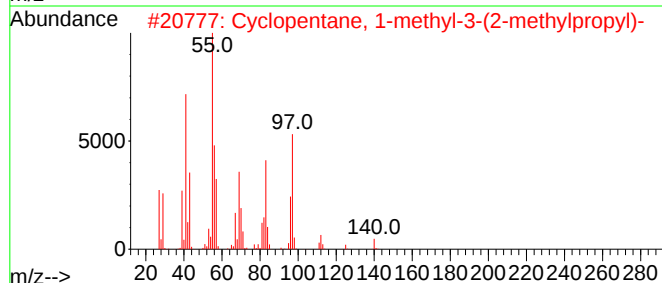
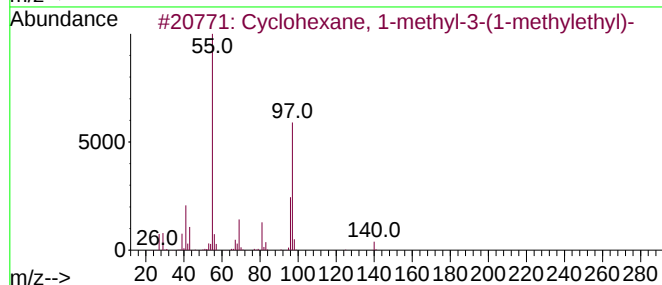
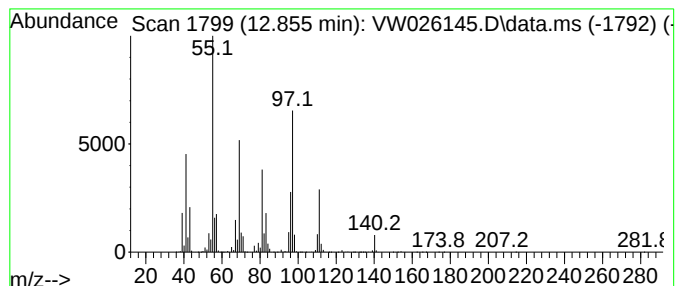
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic12.855 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	31.31 ug/L	7149950	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	52
2			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	52
3			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	50
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	47
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

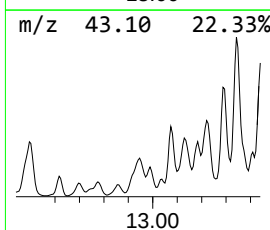
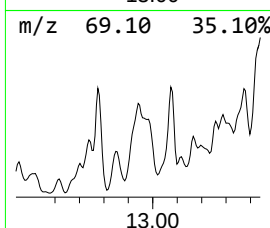
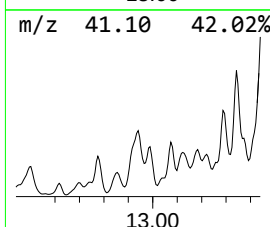
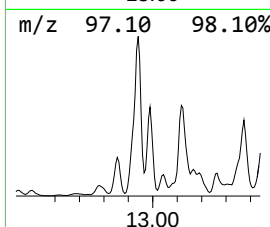
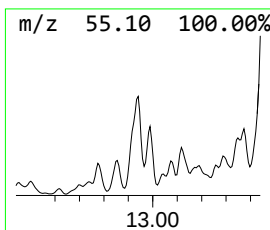
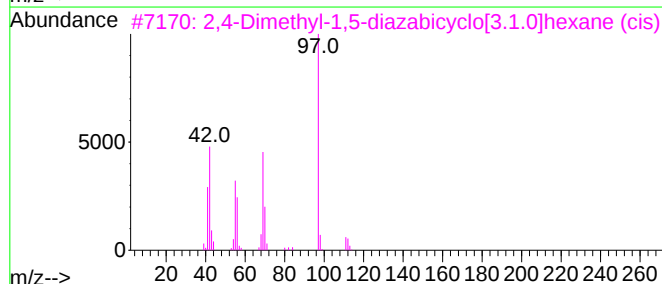
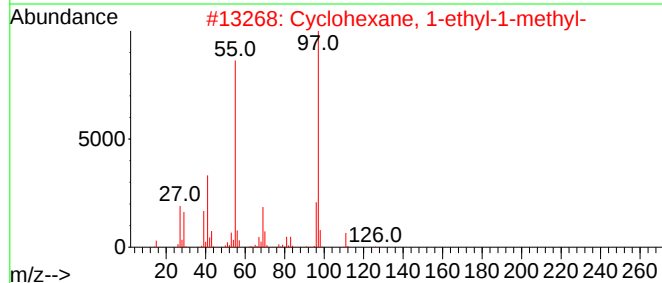
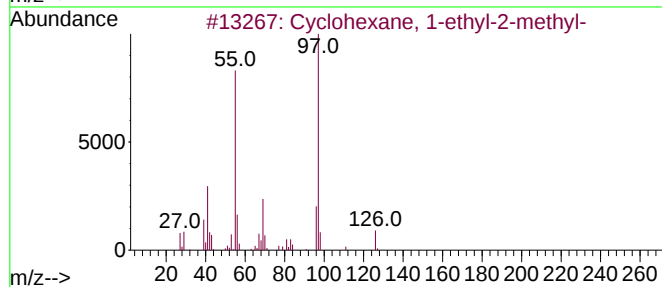
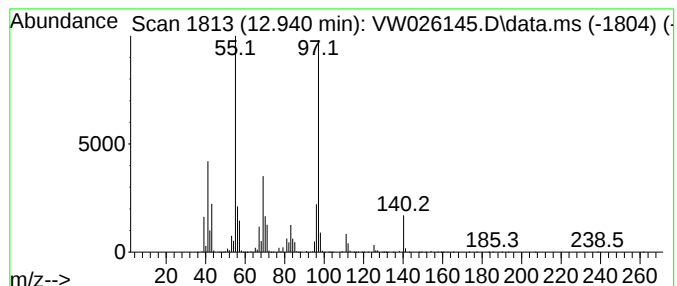
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic12.940 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	104.31 ug/L	23821400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
2			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
3			2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	62
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

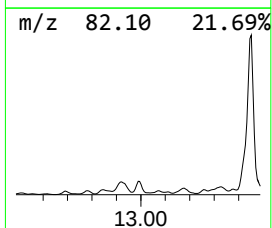
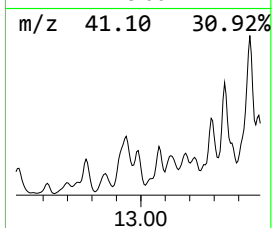
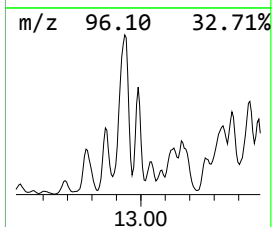
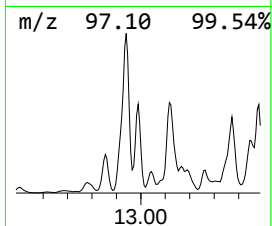
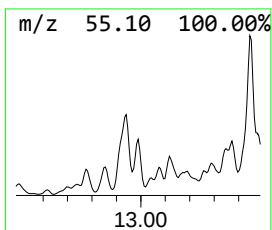
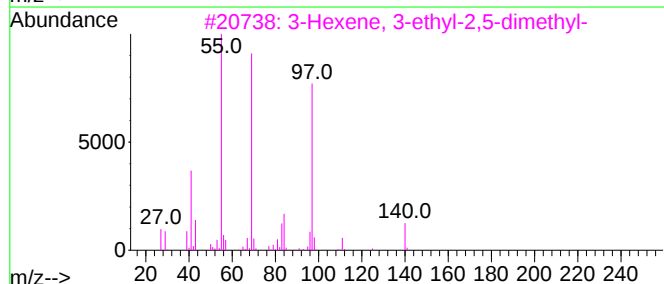
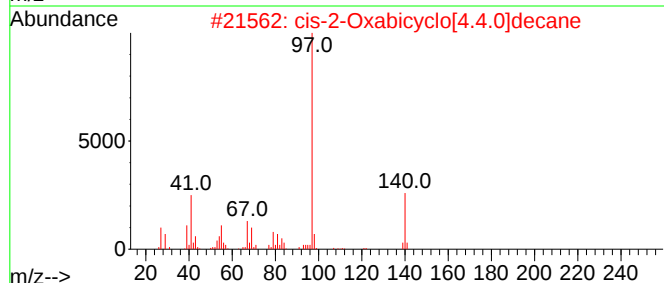
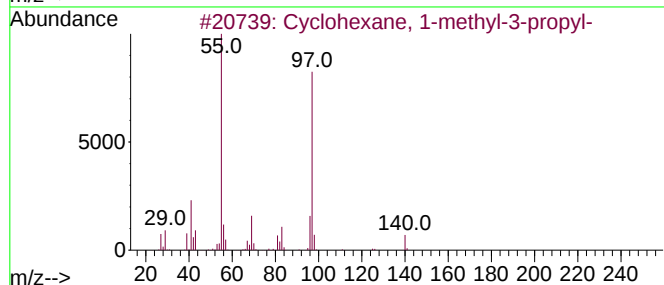
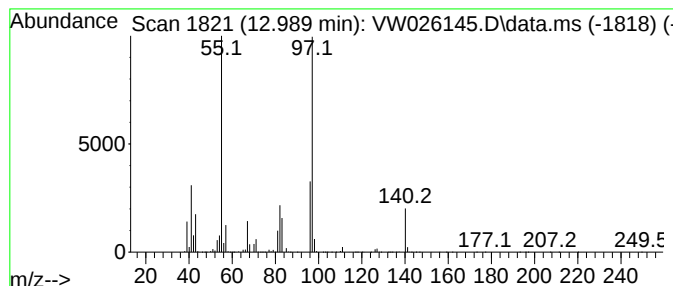
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic12.989 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	35.92 ug/L	8202180	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	50
2			cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	50
3			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	50
4			Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	47
5			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

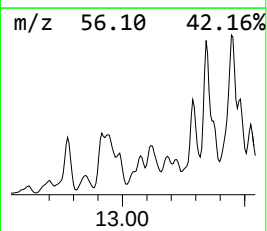
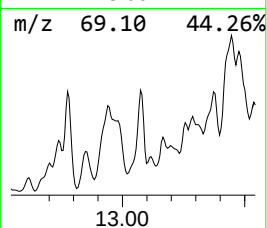
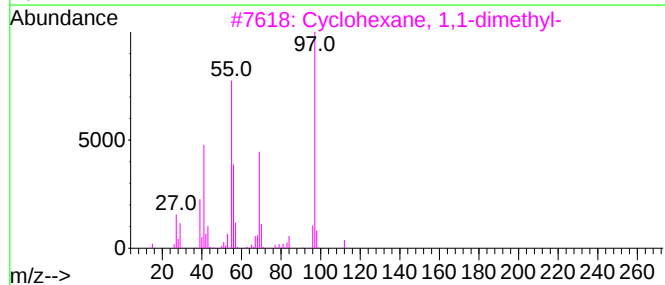
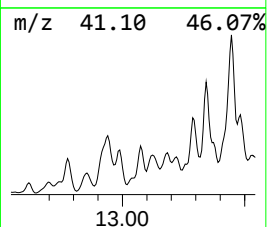
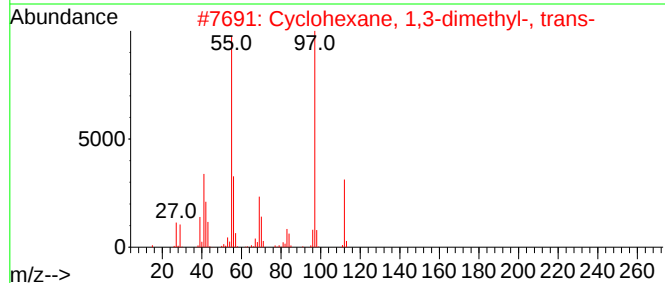
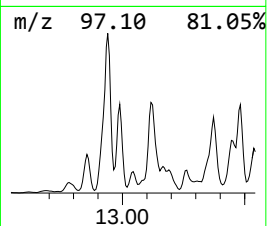
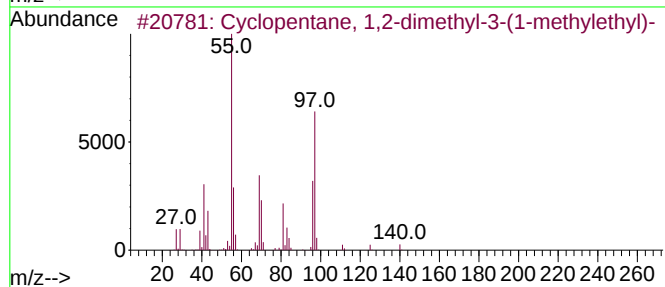
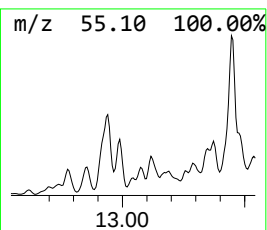
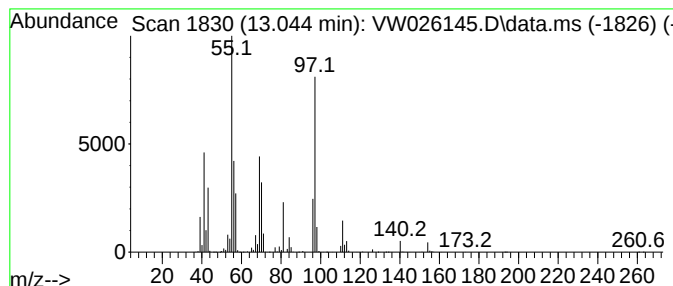
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Cyclic13.044 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	6.55 ug/L	1495120	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	74
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	59
4			Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	53
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

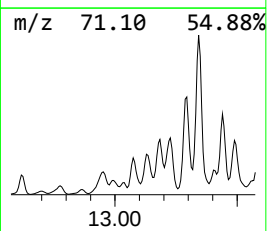
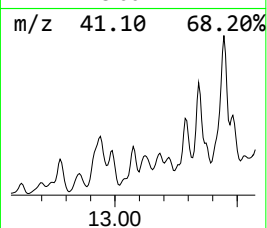
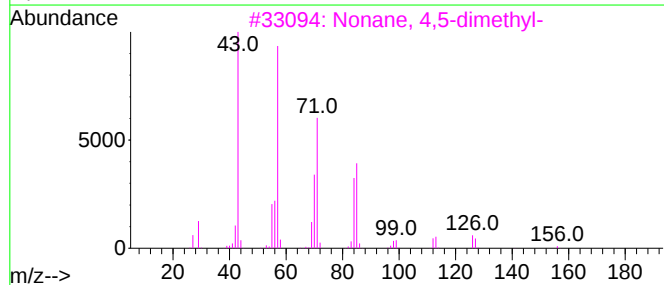
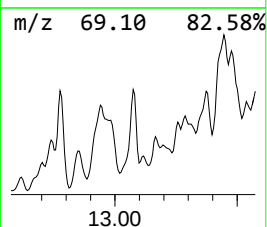
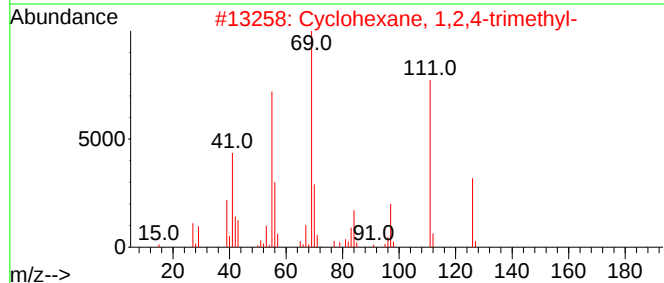
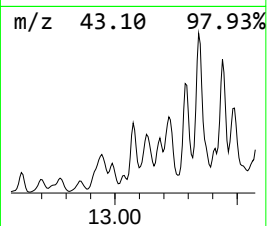
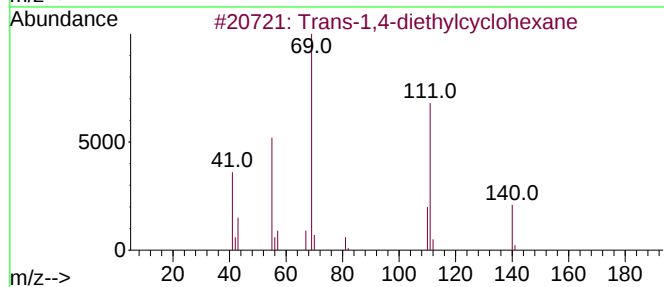
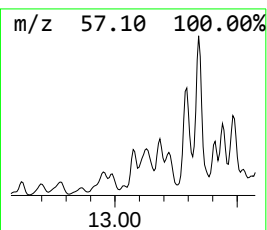
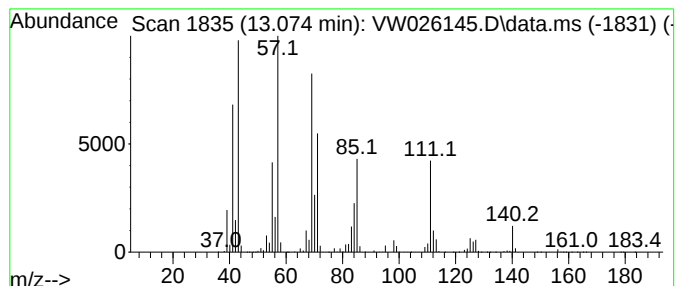
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic13.074 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	29.79 ug/L	6803690	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
3			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
4			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	41
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

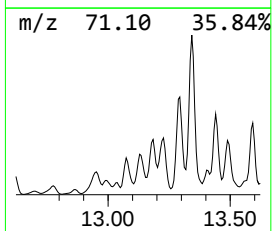
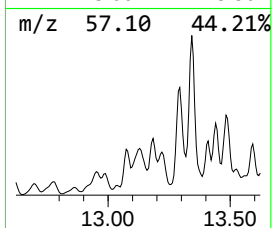
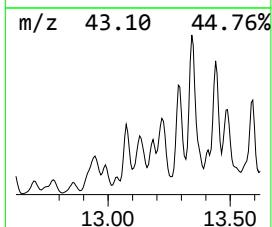
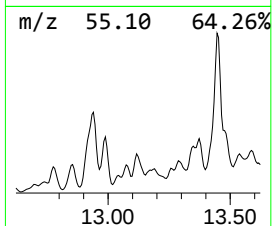
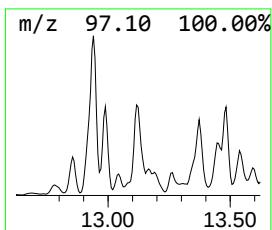
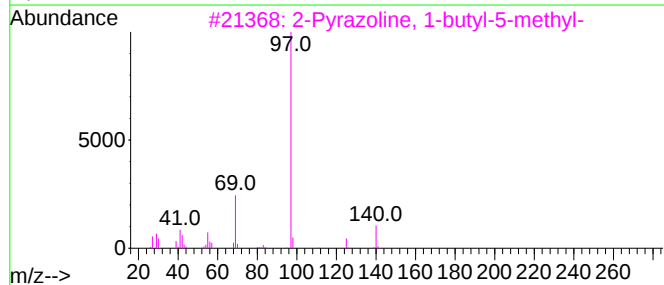
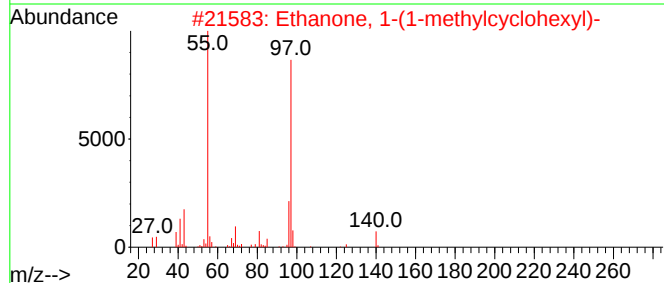
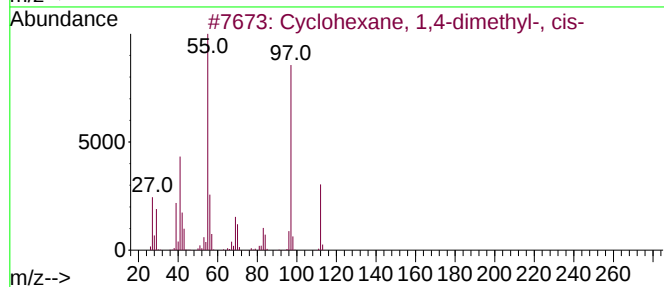
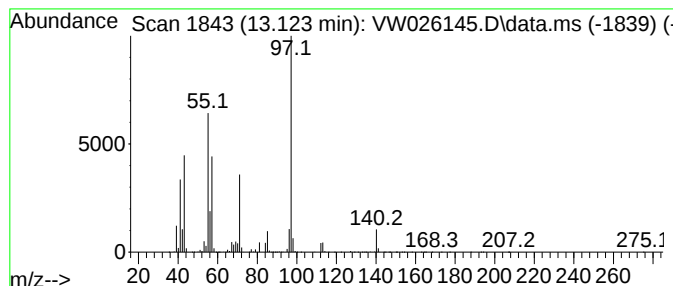
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic13.123 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	25.16 ug/L	5745840	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50
2			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47
3			2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	47
4			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	47
5			Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

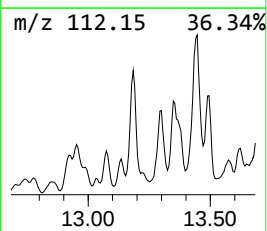
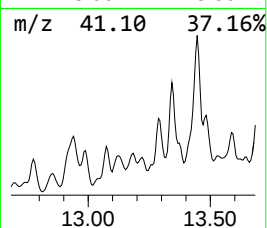
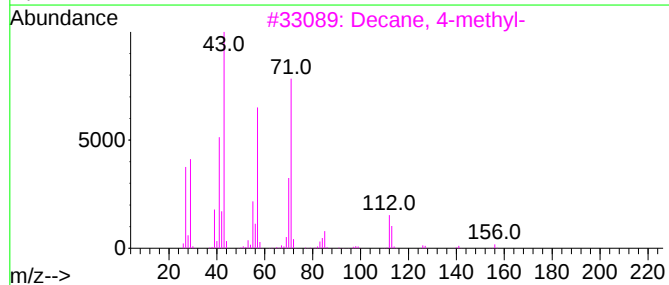
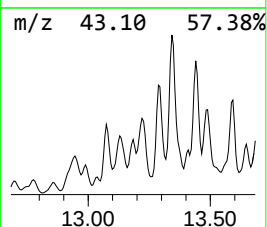
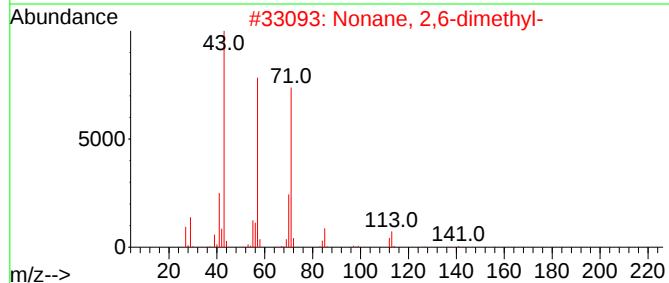
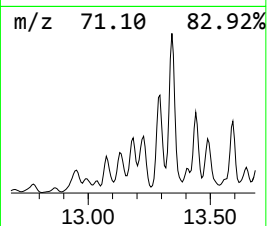
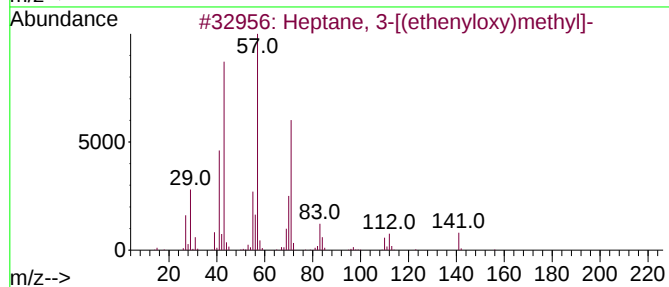
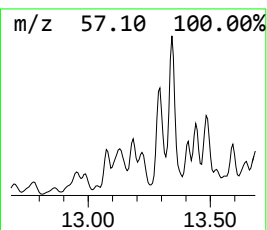
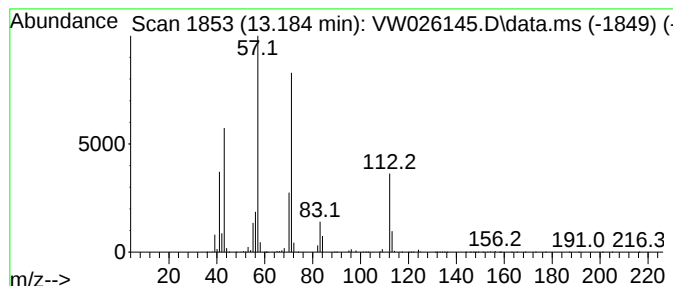
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Quant Title : SFAM01.0

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

Peak Number 40 Heptane, 3-[(ethenyloxy)met... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.184	13.57 ug/L	3098070	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	72
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3		Decane, 4-methyl-	156	C11H24	002847-72-5	64
4		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	64
5		Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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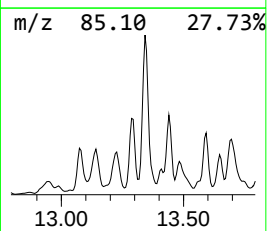
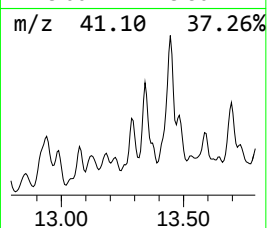
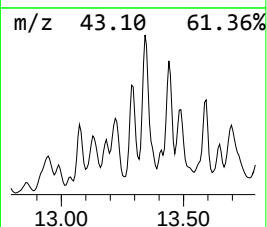
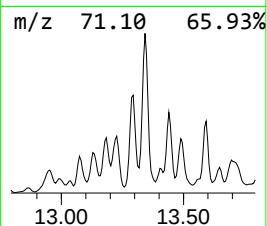
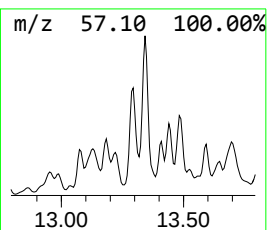
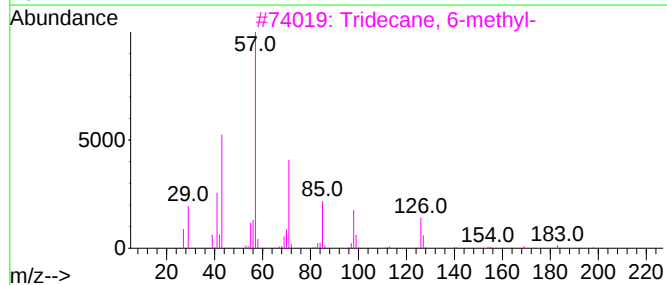
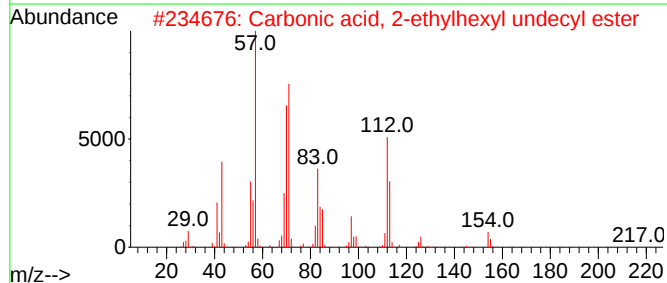
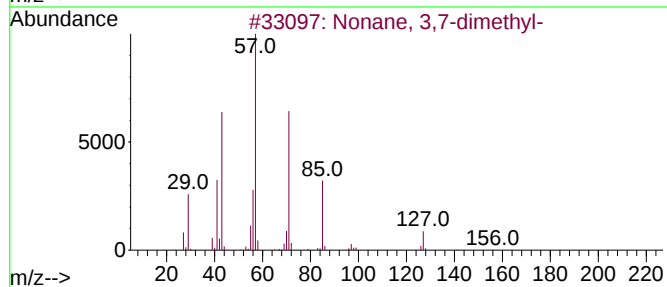
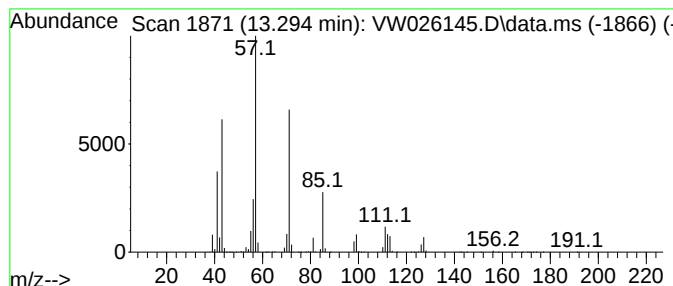
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.294	40.51 ug/L	9251570	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
2			Carbonic acid, 2-ethylhexyl unde...	328	C20H40O3	1000383-13-8	59
3			Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
4			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
5			Heneicosane	296	C21H44	000629-94-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

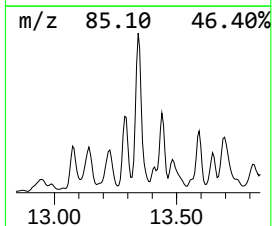
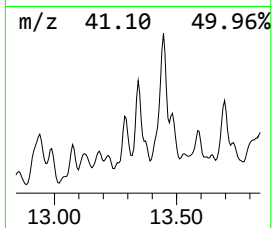
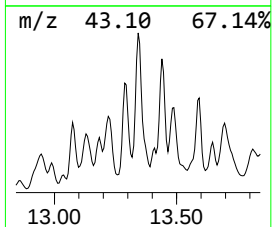
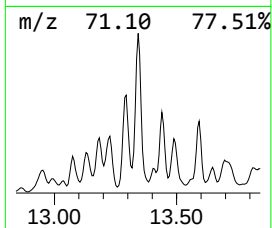
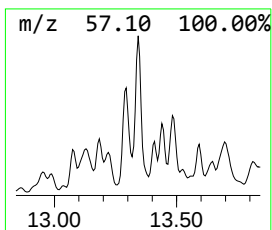
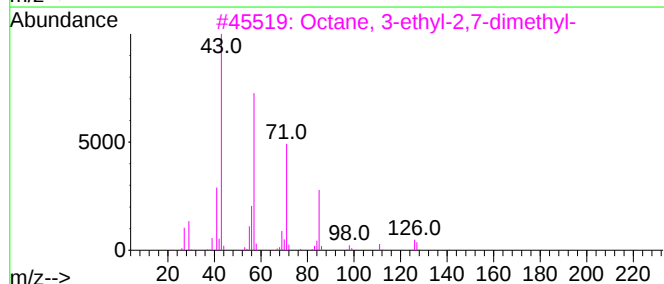
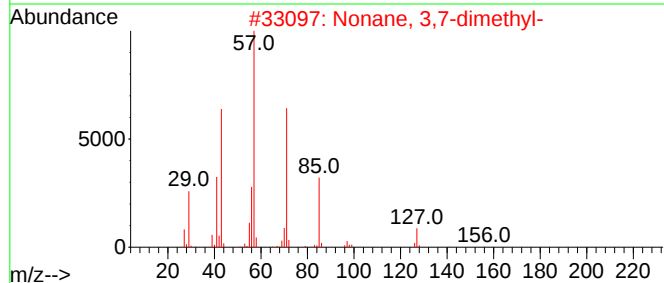
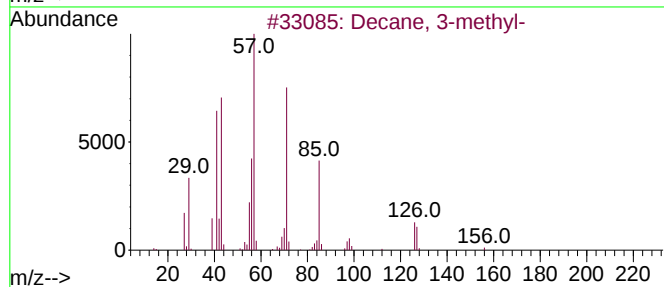
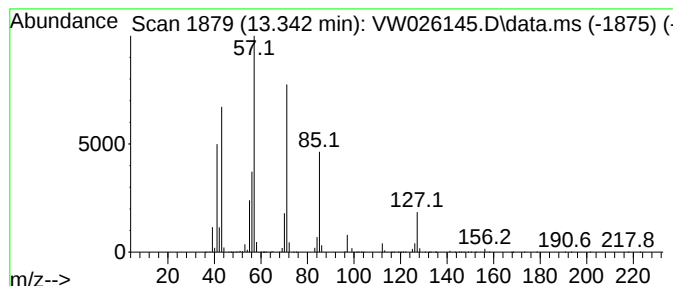
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.342	66.12 ug/L	15099400	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	90
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	86
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	78
4	Tetradecane	198	C14H30	000629-59-4	72
5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

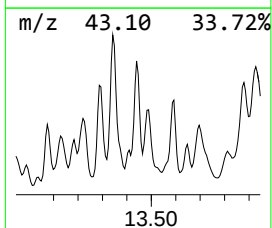
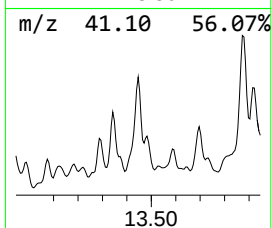
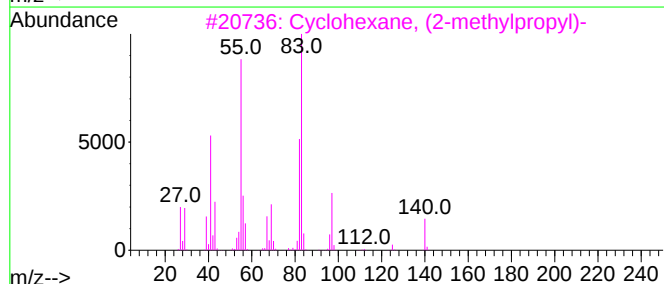
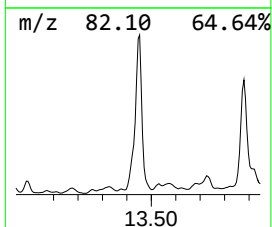
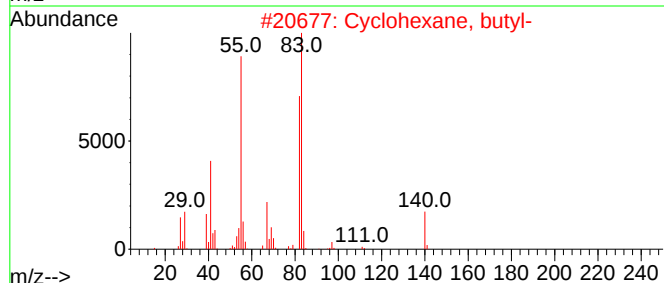
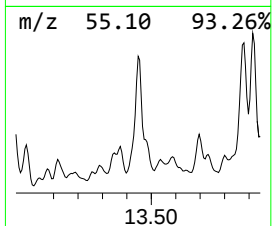
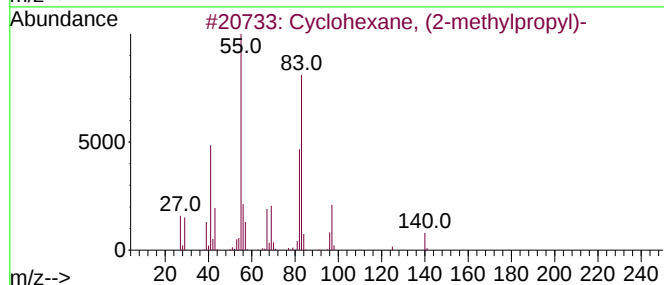
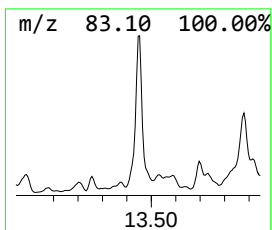
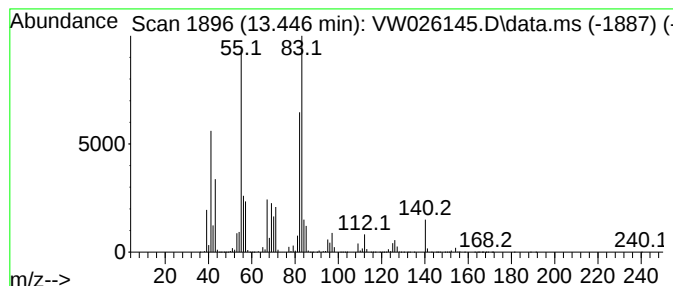
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Cyclic13.446 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	176.48 ug/L	40302700	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	81
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	81
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	81
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

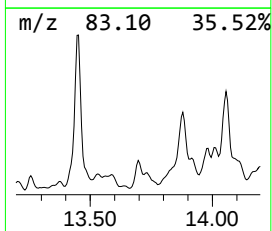
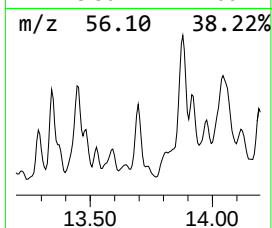
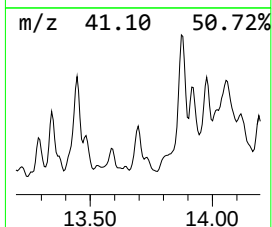
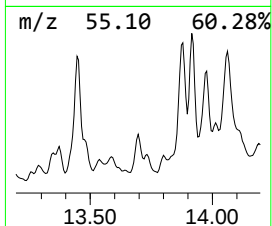
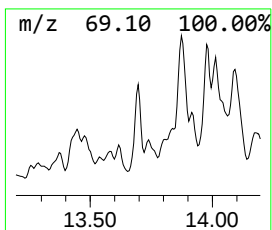
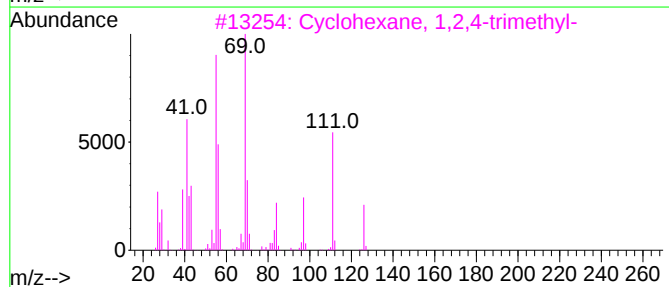
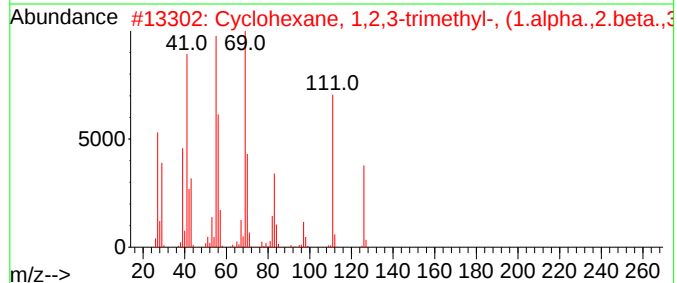
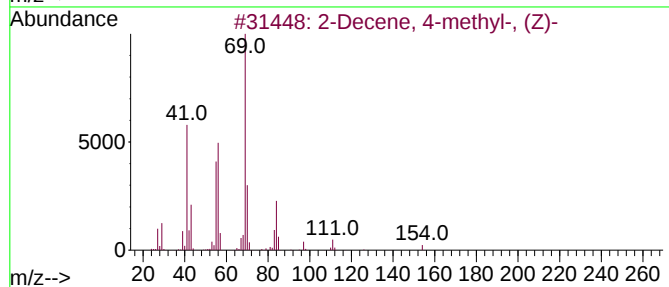
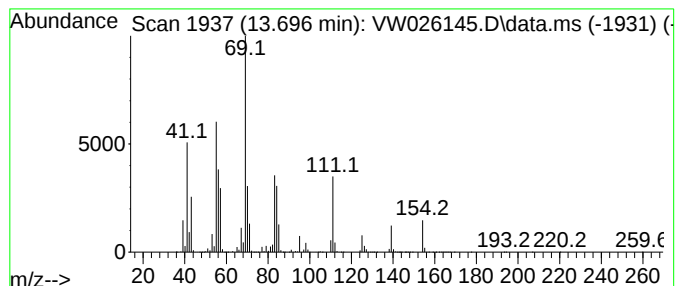
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.696	73.16 ug/L	16707400	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	80
2	Cyclohexane, 1,2,3-trimethyl-, (...)		126	C9H18	001678-81-5	76
3	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	64
4	1-Ethyl-2,2,6-trimethylcyclohexane		154	C11H22	071186-27-1	52
5	Cyclohexane, 1,1-dimethyl-2-propyl-		154	C11H22	081983-71-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

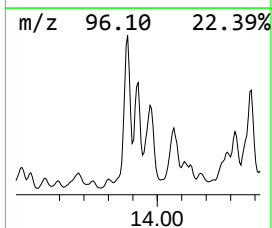
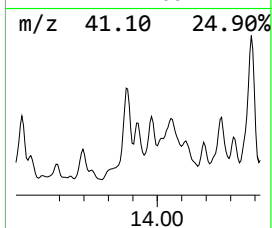
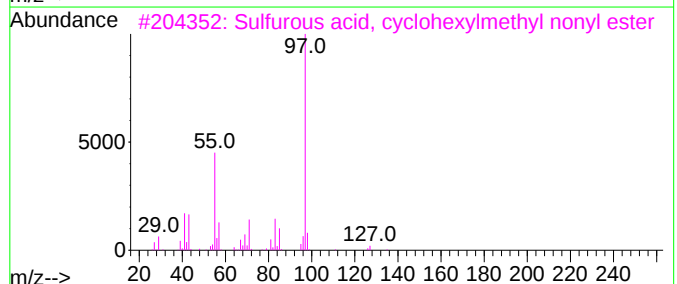
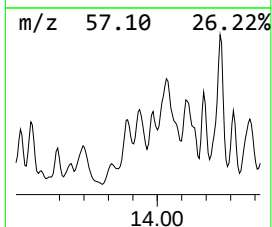
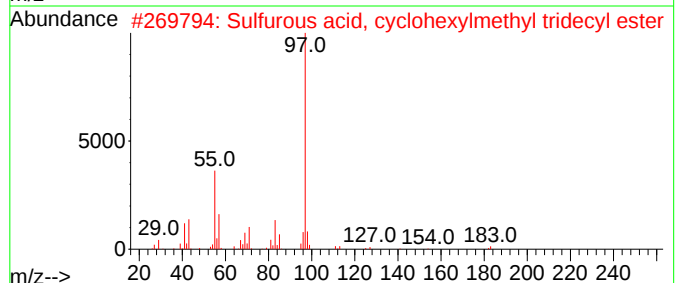
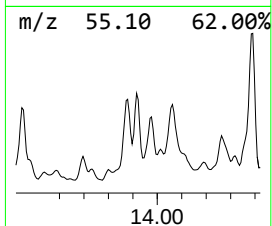
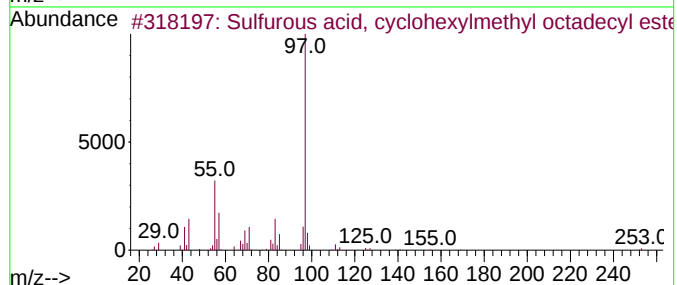
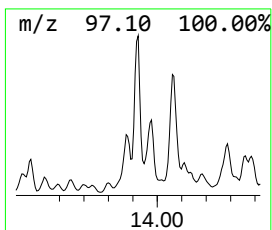
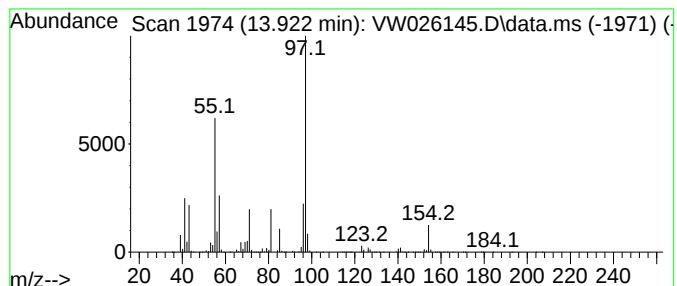
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Quant Title : SFAM01.0

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

Peak Number 45 Sulfurous acid, cyclohexylm... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.922	82.04 ug/L	18735100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
2			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	59
3			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	59
4			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	56
5			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

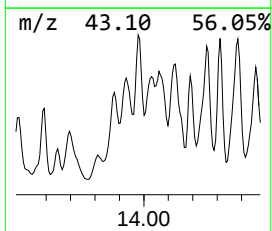
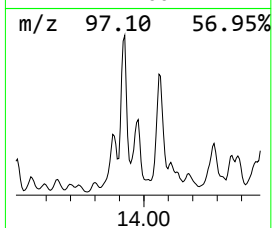
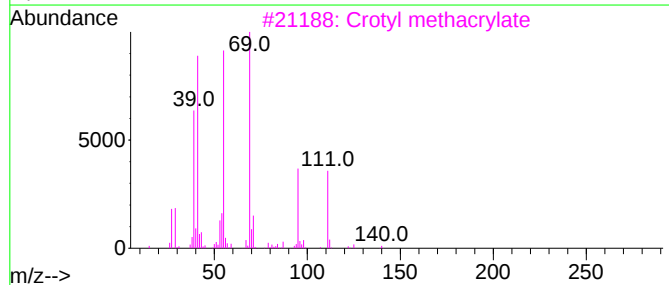
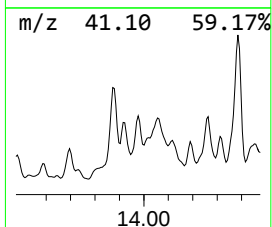
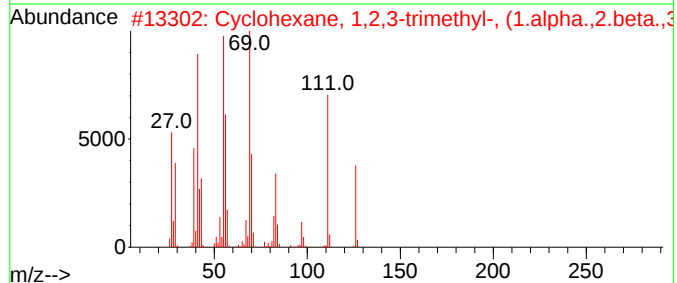
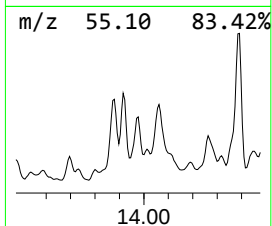
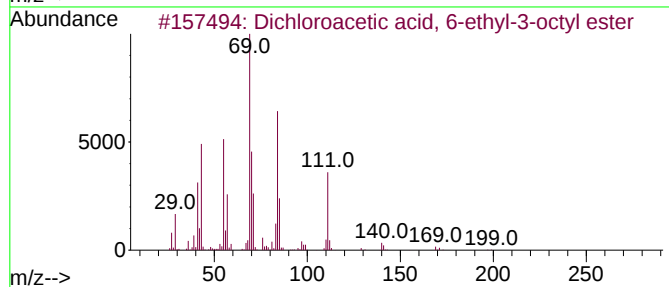
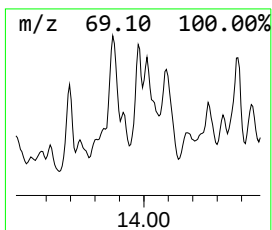
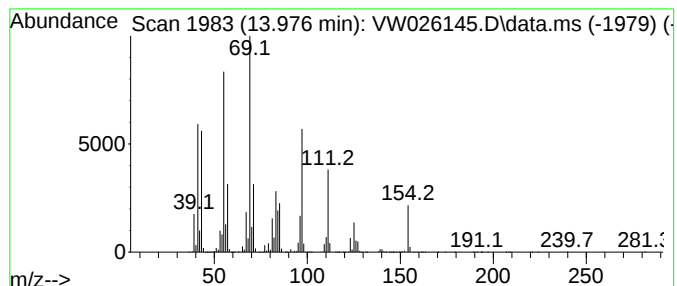
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Quant Title : SFAM01.0

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

Peak Number 46 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	84.31 ug/L	19253000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	47
2			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	43
3			Crotyl methacrylate	140	C8H12O2	007376-45-6	38
4			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	35
5			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

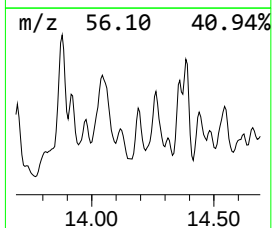
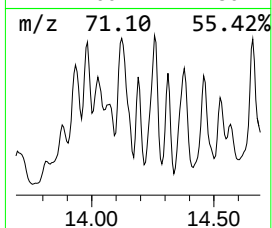
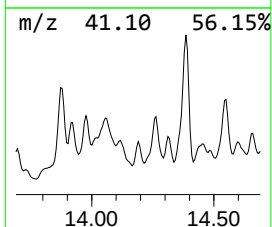
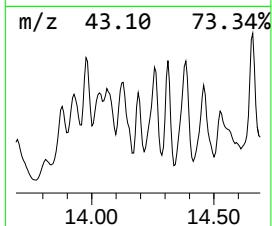
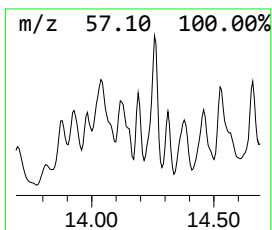
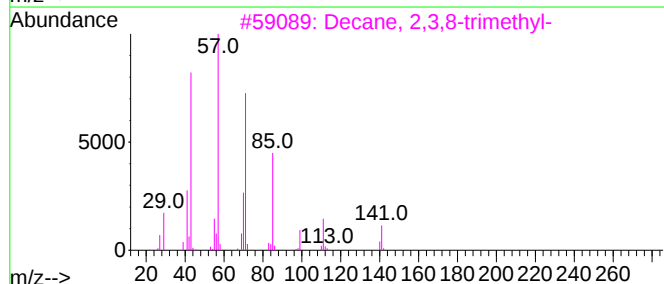
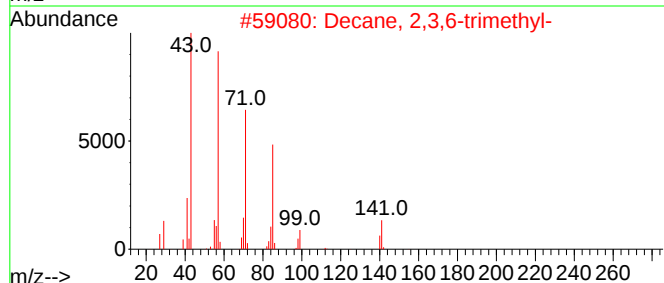
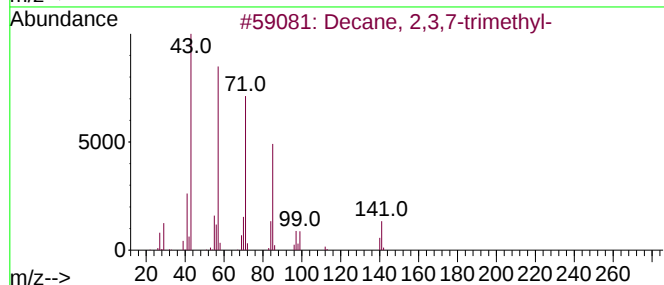
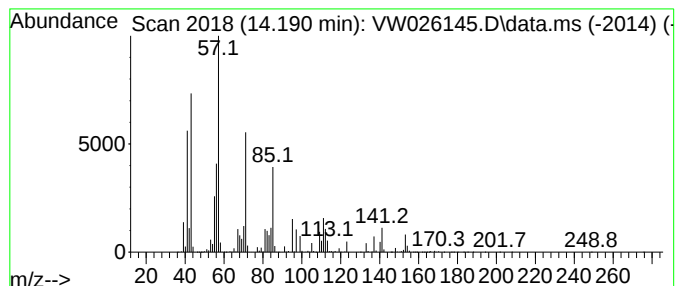
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	47.37 ug/L	10816900	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	49
2			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	46
3			Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	46
4			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	46
5			Tetradecane	198	C14H30	000629-59-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

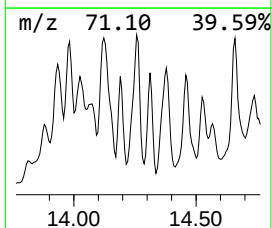
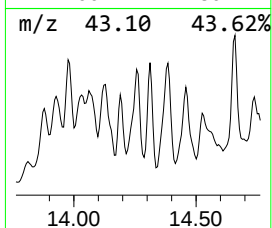
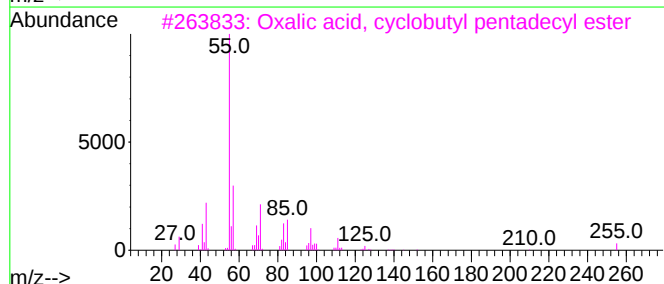
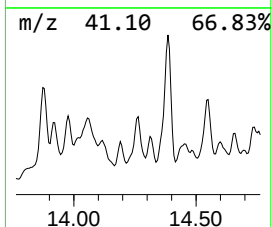
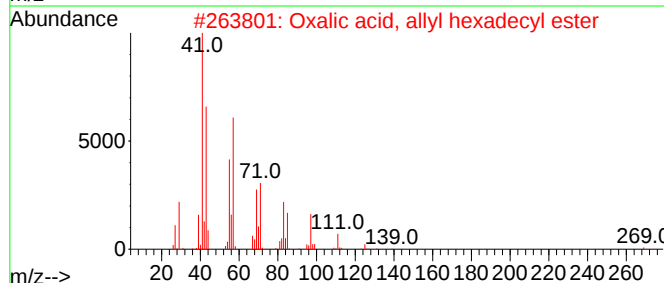
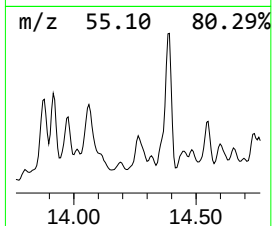
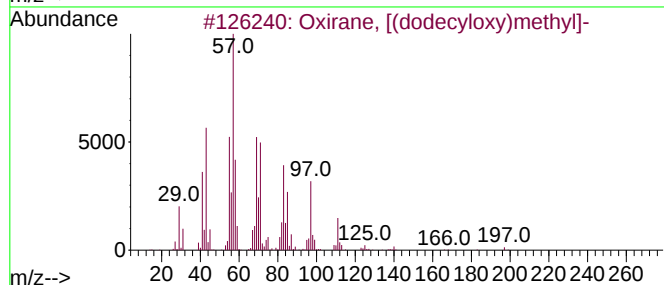
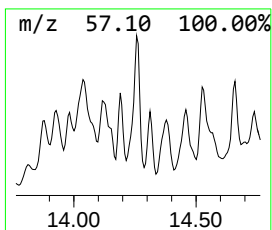
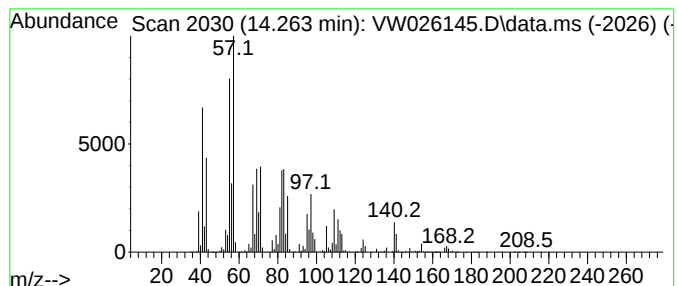
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Quant Title : SFAM01.0

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

Peak Number 48 Oxirane, [(dodecyloxy)methyl]- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	115.99 ug/L	26488500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	58
2			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	52
3			Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	50
4			Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	49
5			Oxalic acid, cyclobutyl tetradec...	340	C20H36O4	1000309-70-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

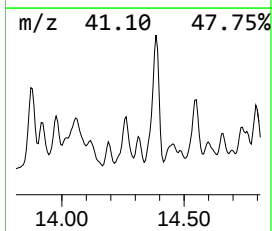
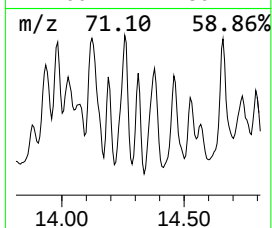
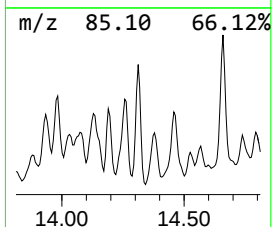
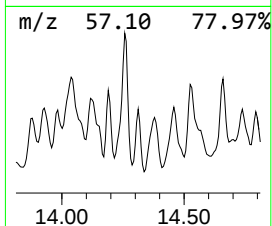
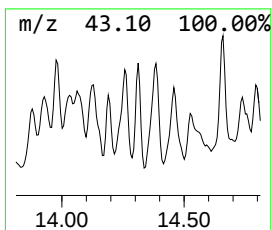
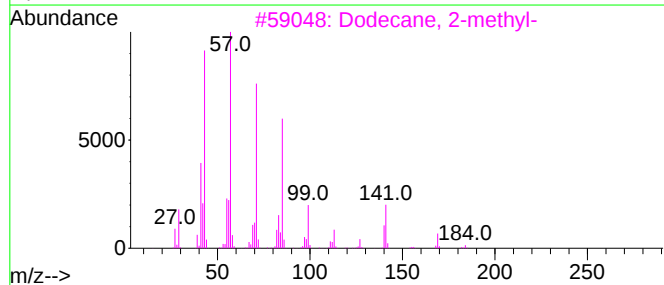
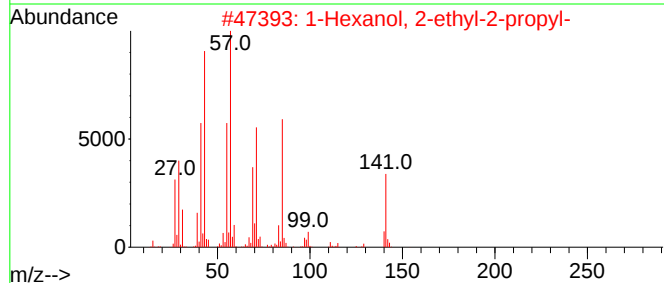
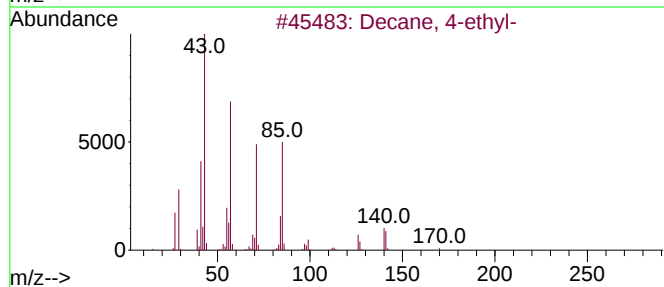
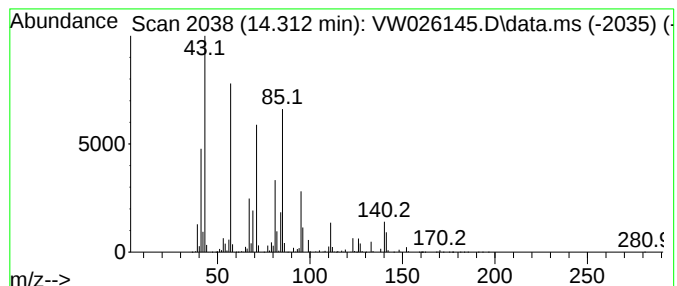
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	50.84 ug/L	11609400	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-ethyl-	170	C12H26	001636-44-8	64
2		1-Hexanol, 2-ethyl-2-propyl-	172	C11H24O	054461-00-6	47
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	47
4		Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	47
5		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

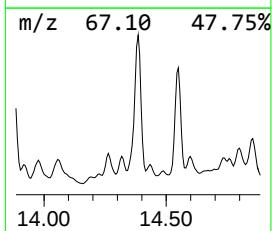
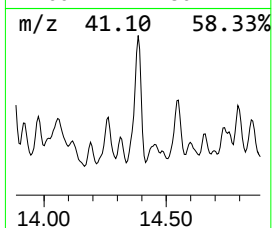
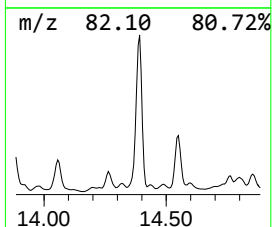
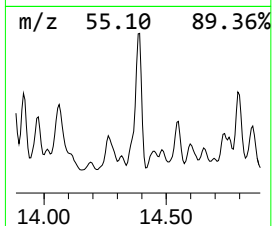
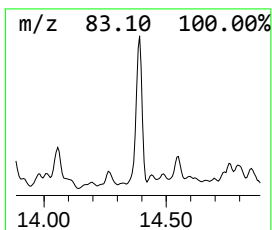
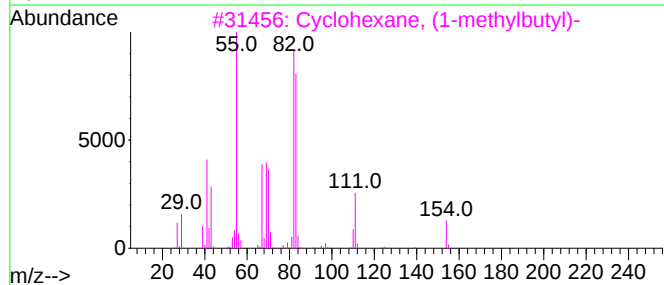
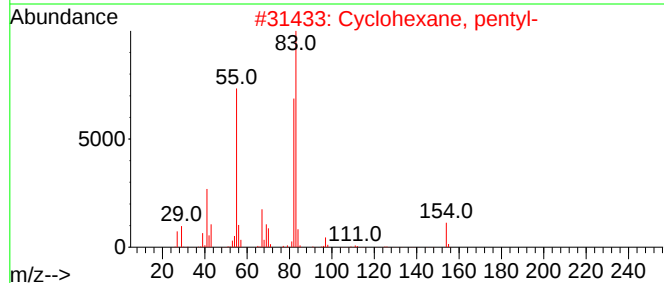
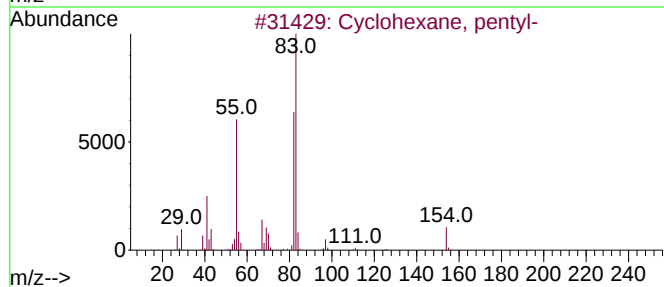
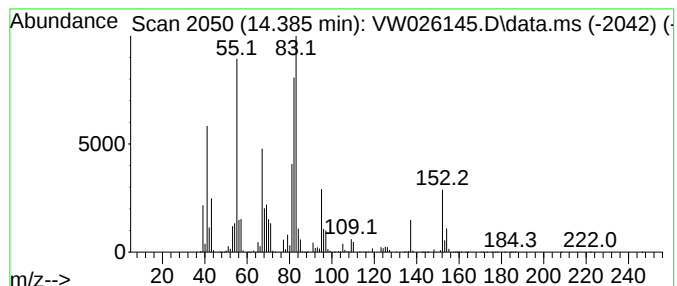
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Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Cyclic14.385 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	369.85 ug/L	84460000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	64
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

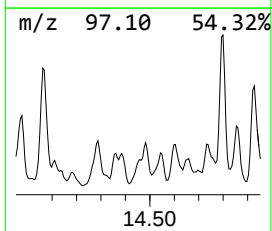
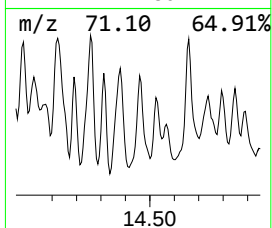
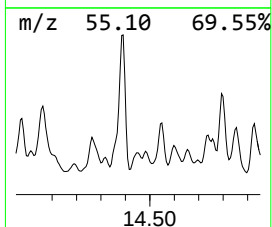
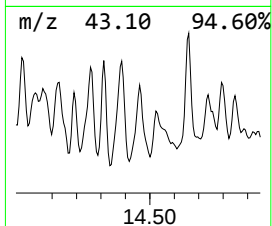
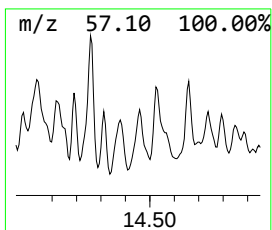
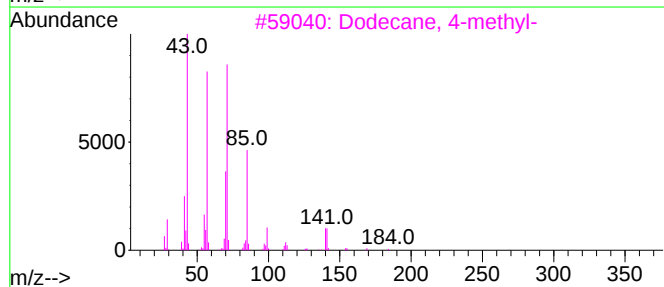
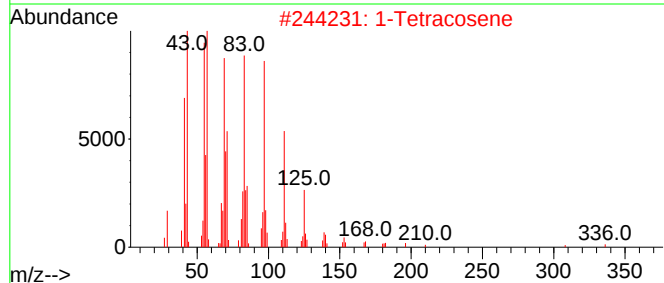
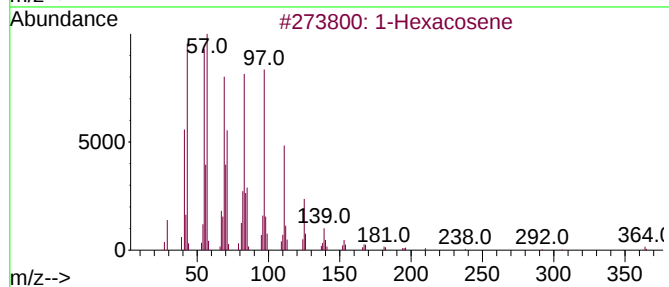
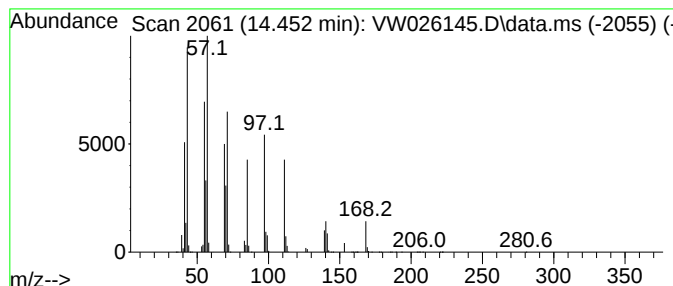
Instrument :
MSVOA_W
ClientSampleId :
EZEM6

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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.452	46.23 ug/L	10557300	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexacosene		364	C26H52	018835-33-1	52
2	1-Tetracosene		336	C24H48	010192-32-2	47
3	Dodecane, 4-methyl-		184	C13H28	006117-97-1	43
4	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	43
5	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

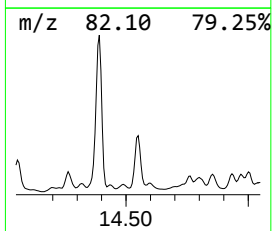
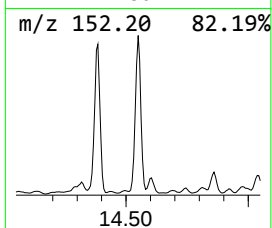
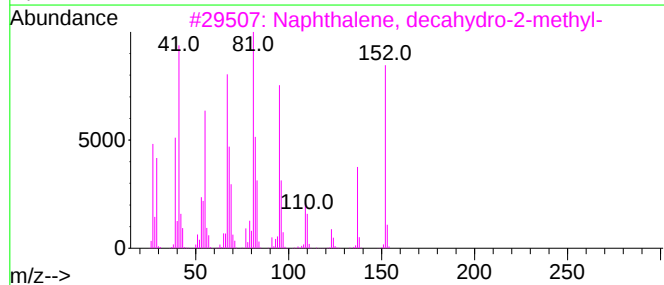
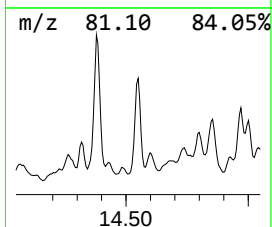
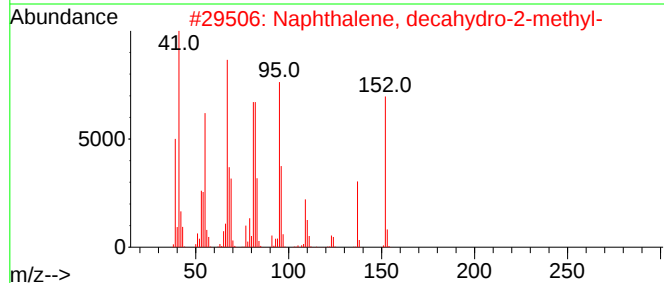
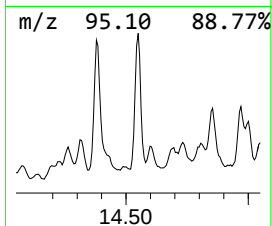
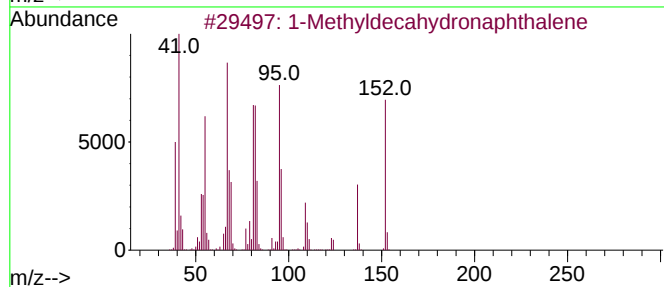
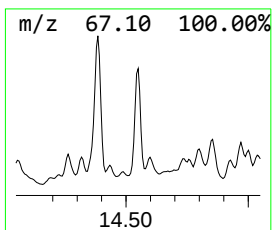
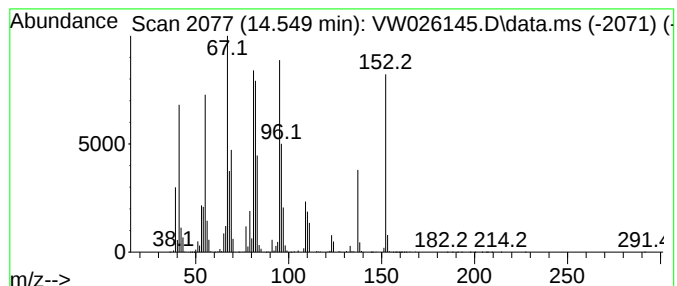
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Quant Title : SFAM01.0

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

Peak Number 52 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.550	176.17 ug/L	40230800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
5			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

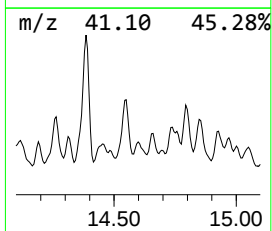
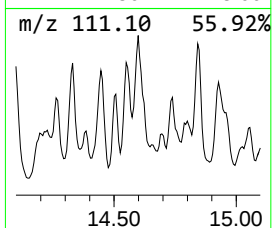
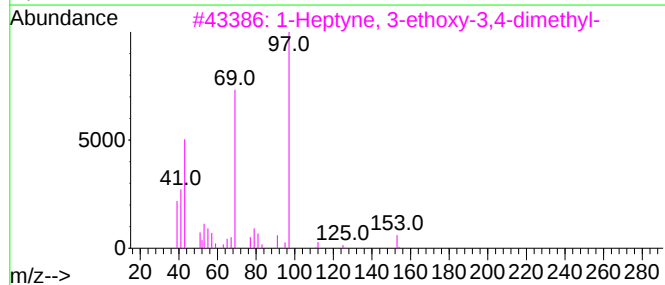
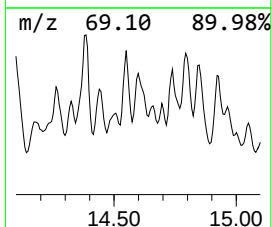
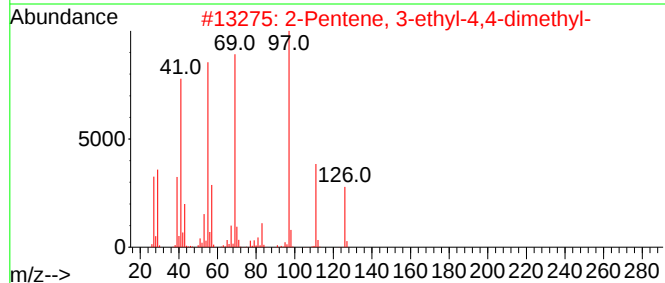
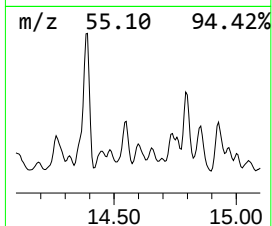
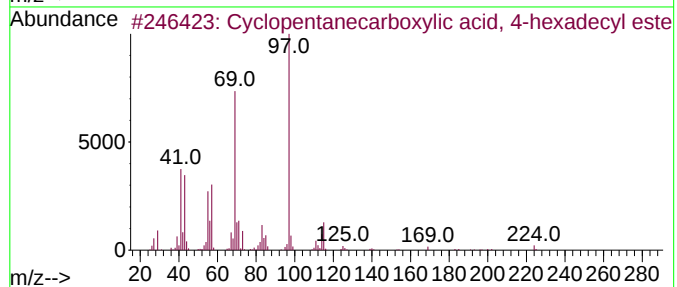
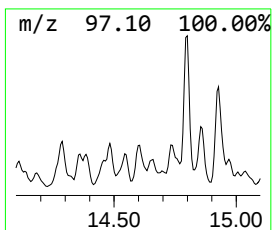
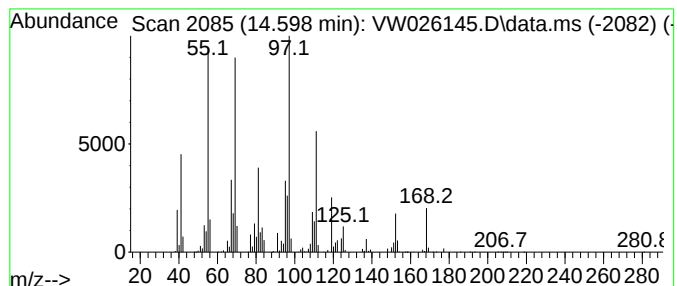
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Quant Title : SFAM01.0

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

Peak Number 53 unknown-03 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.598	40.85 ug/L	9328100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	43
2			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	43
3			1-Heptyne, 3-ethoxy-3,4-dimethyl-	168	C11H20O	054411-04-0	38
4			Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	35
5			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

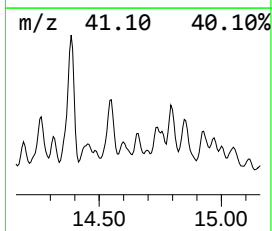
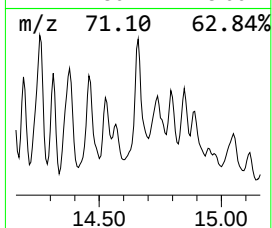
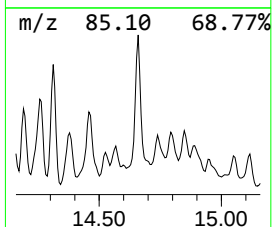
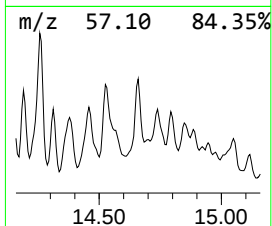
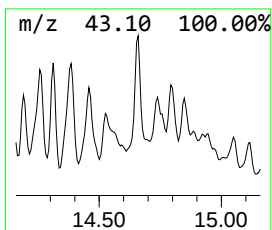
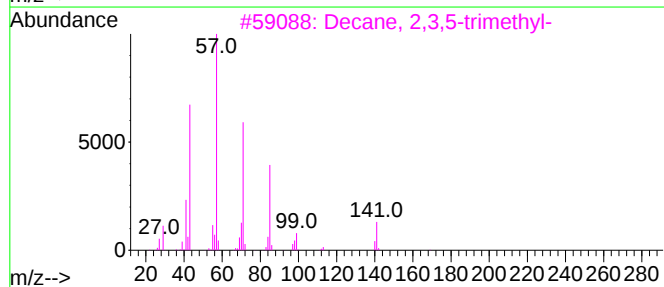
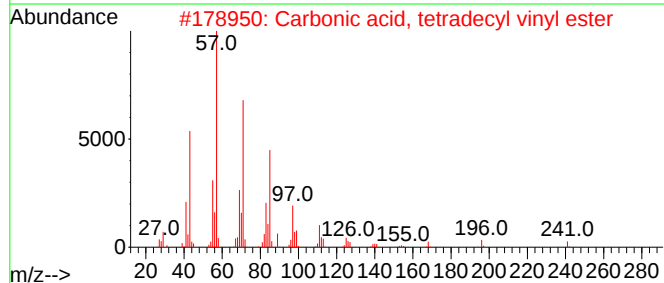
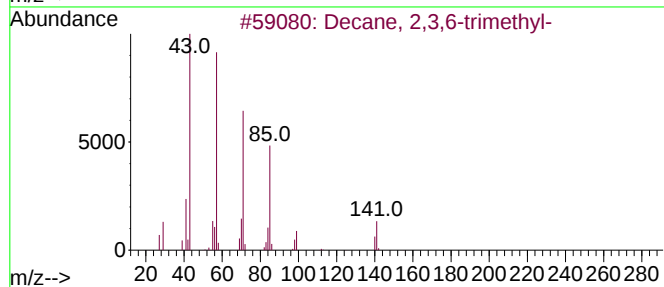
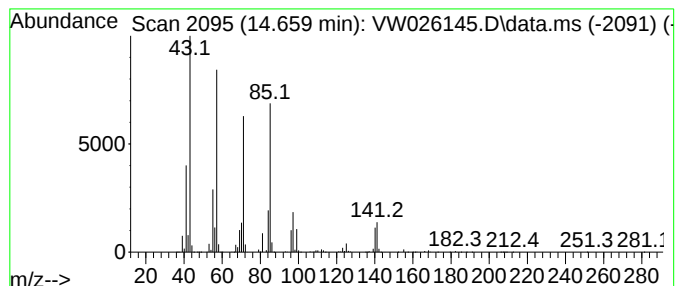
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.659	43.53 ug/L	9941230	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72
2			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	59
3			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	52
5			5-Ethyldecane	170	C12H26	017302-36-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

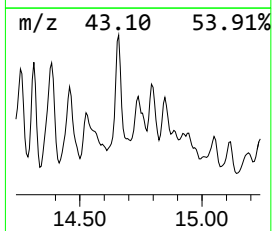
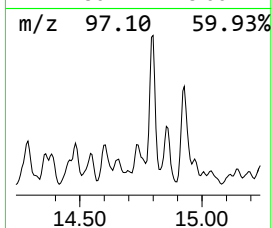
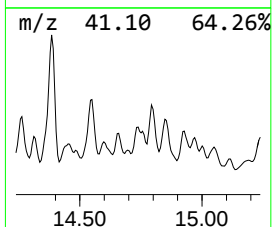
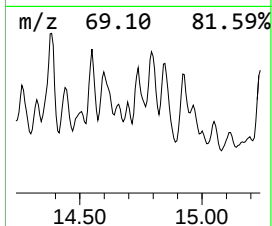
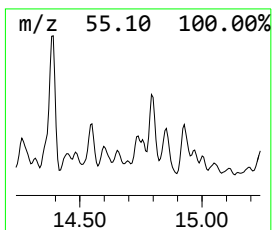
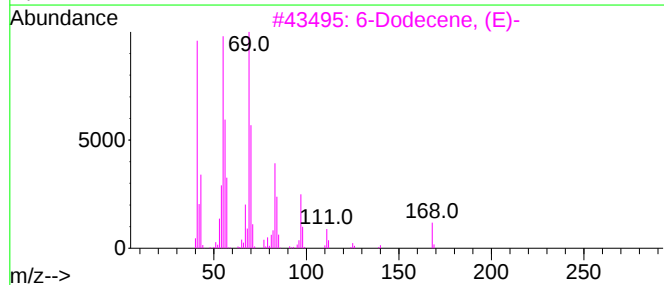
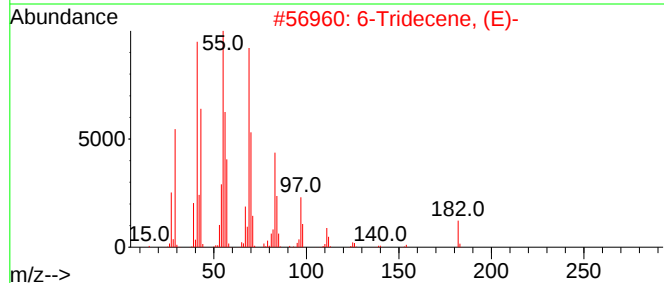
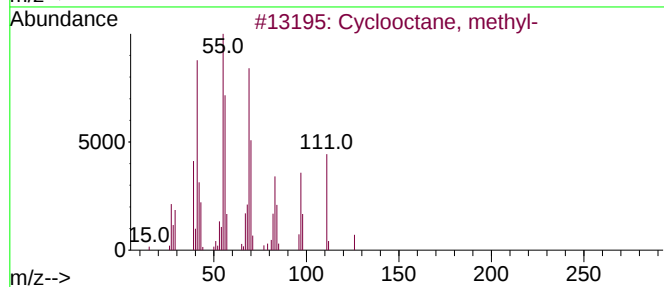
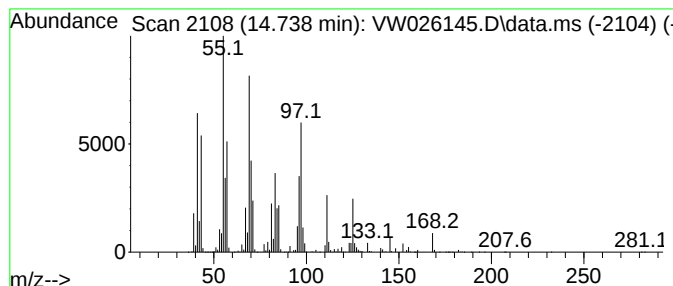
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Quant Title : SFAM01.0

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

Peak Number 55 (DEL) Alkane: Cyclic14.739 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.739	64.78 ug/L	14794400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, methyl-	126	C9H18	001502-38-1	58
2			6-Tridecene, (E)-	182	C13H26	006434-76-0	53
3			6-Dodecene, (E)-	168	C12H24	007206-17-9	49
4			4-Dodecene, (E)-	168	C12H24	007206-15-7	46
5			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

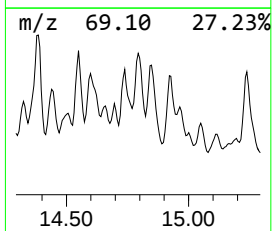
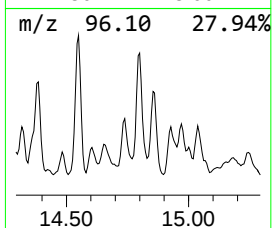
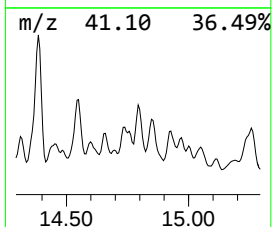
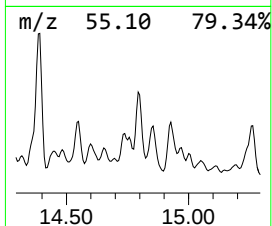
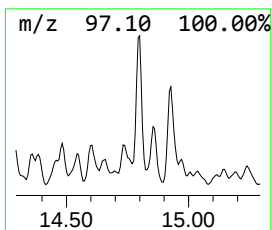
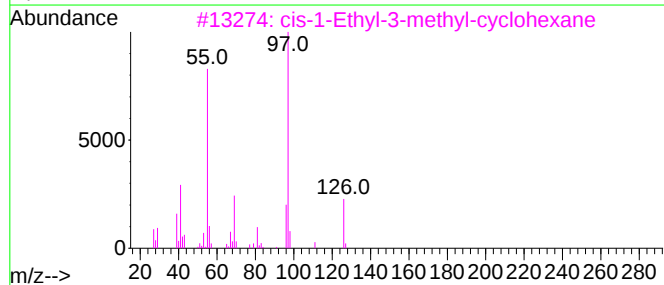
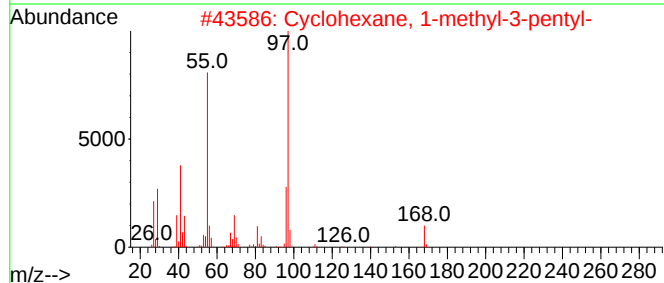
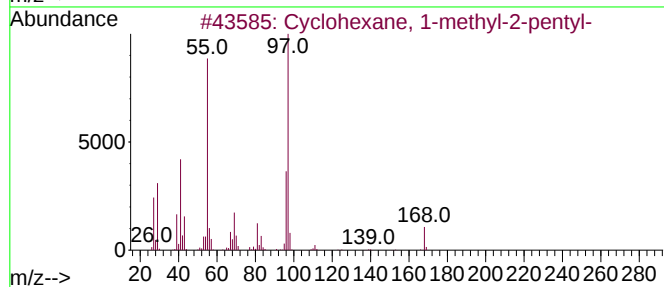
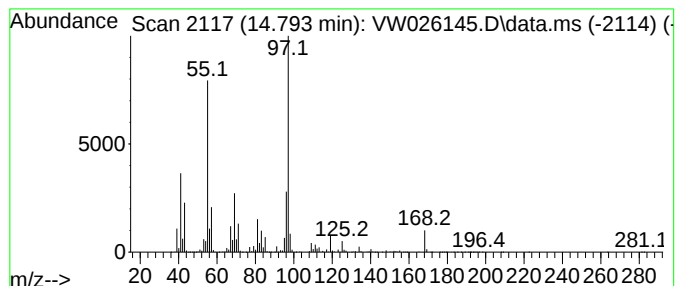
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Quant Title : SFAM01.0

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

Peak Number 56 (DEL) Alkane: Cyclic14.793 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	122.76 ug/L	28034600	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	87
2			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	83
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	81
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

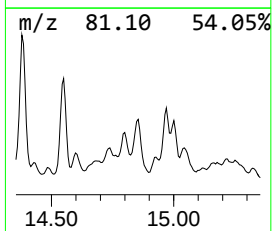
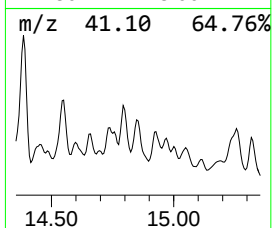
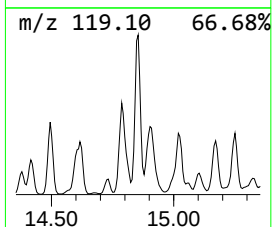
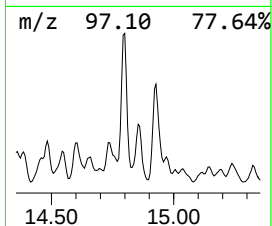
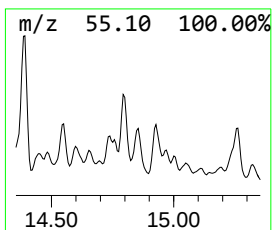
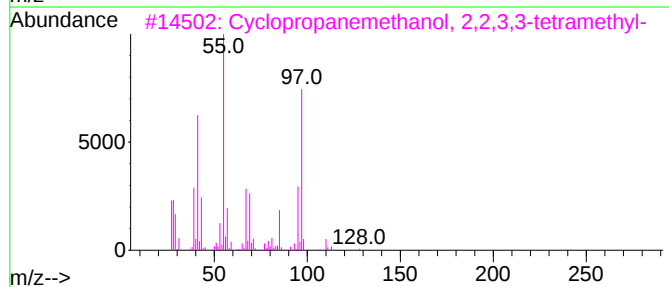
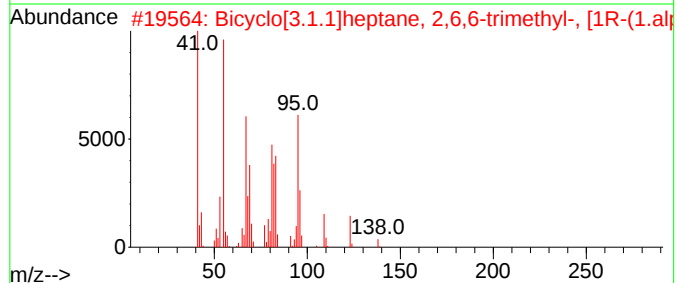
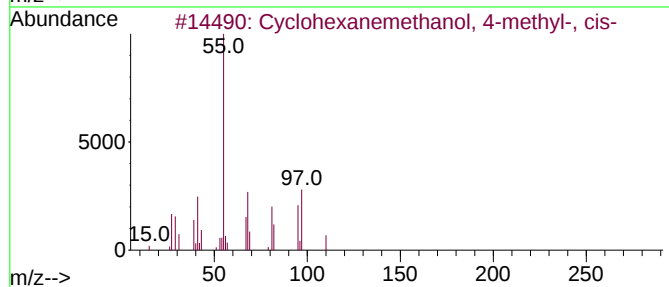
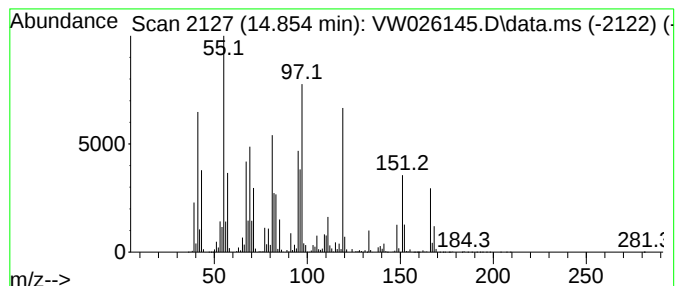
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Quant Title : SFAM01.0

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

Peak Number 57 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.854	135.00 ug/L	30829000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanemethanol, 4-methyl-, ...	128	C8H16O	003937-48-2	43
2			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	35
3			Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	30
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	30
5			Spiro[4.4]nonan-1-one	138	C9H14O	014727-58-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

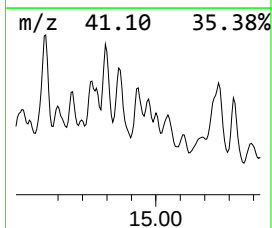
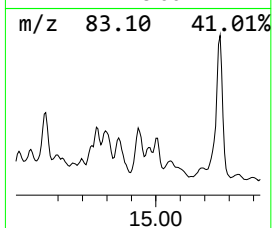
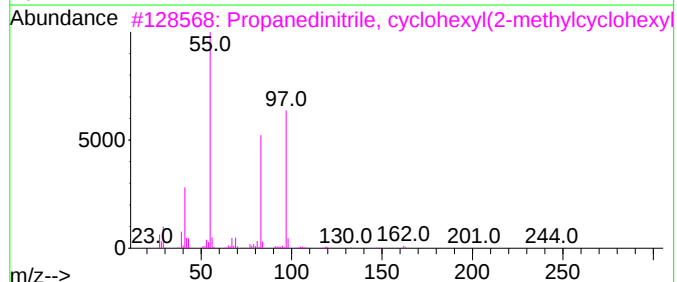
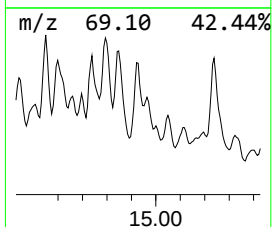
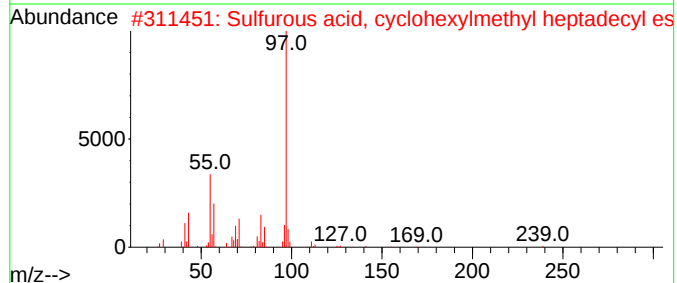
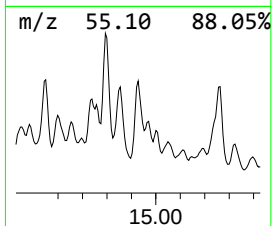
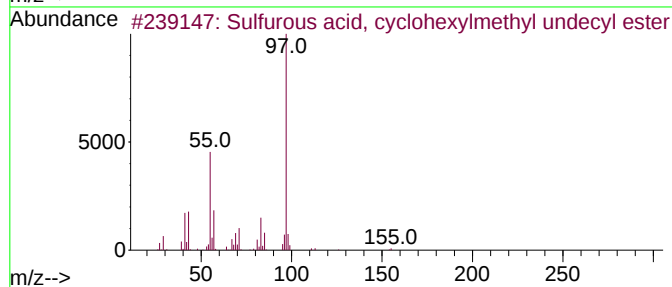
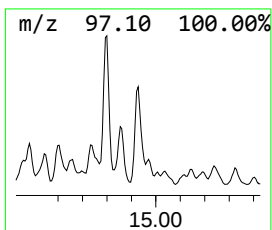
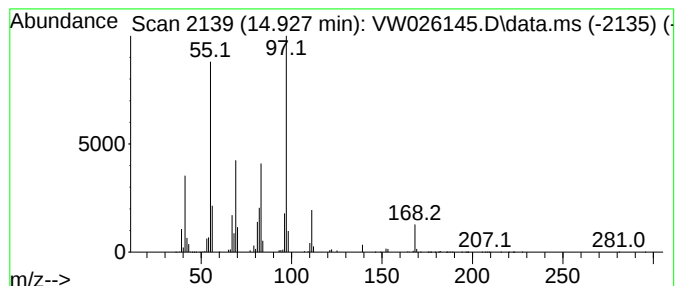
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Quant Title : SFAM01.0

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

Peak Number 58 Sulfurous acid, cyclohexylm... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.928	70.48 ug/L	16095800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	53
2			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	50
3			Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	50
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	49
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

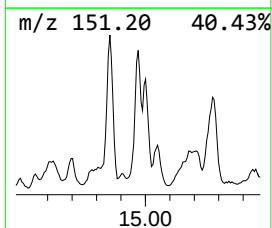
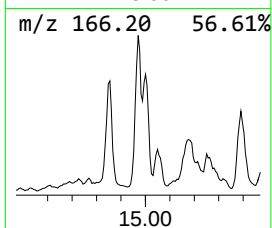
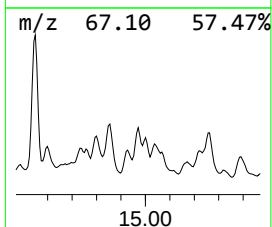
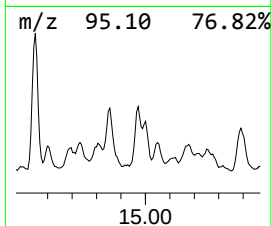
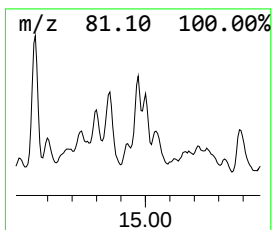
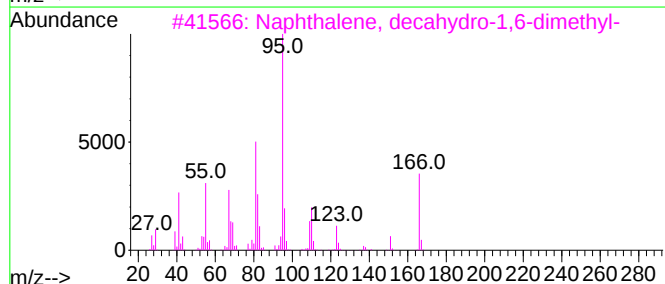
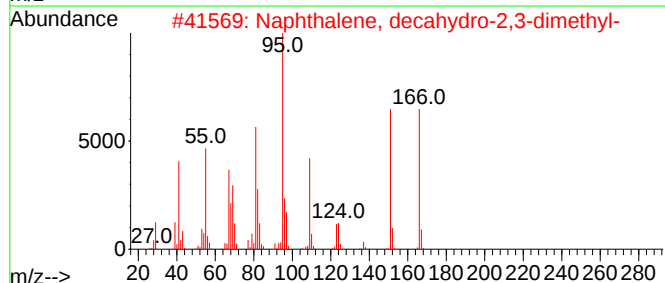
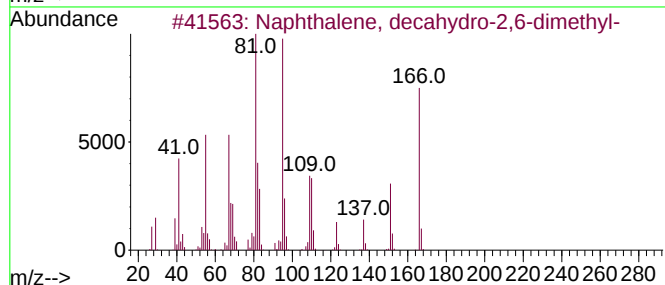
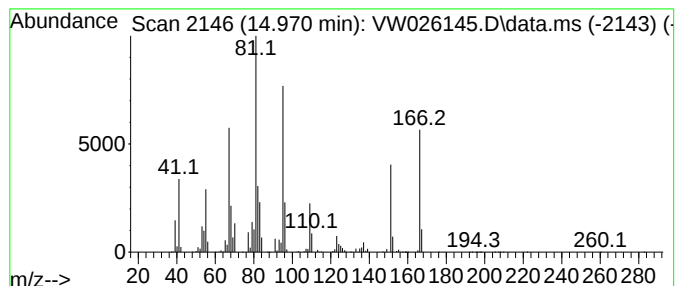
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Quant Title : SFAM01.0

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

Peak Number 59 Naphthalene, decahydro-2,6-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.970	27.06 ug/L	6178620	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	93
2			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	76
3			Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	49
4			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	46
5			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

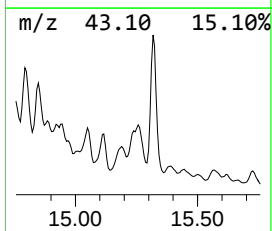
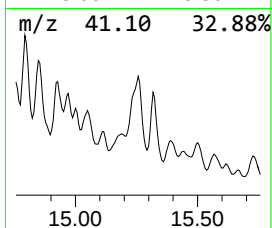
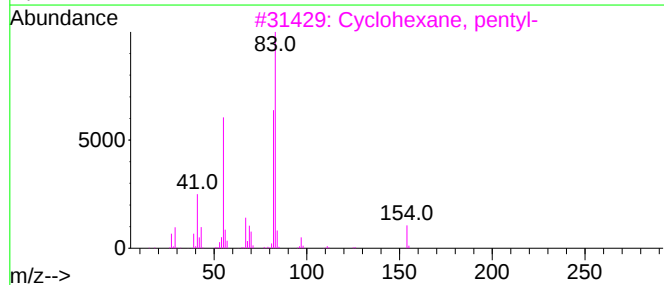
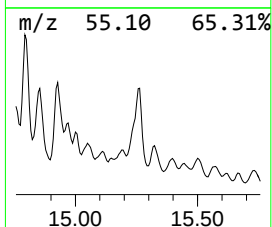
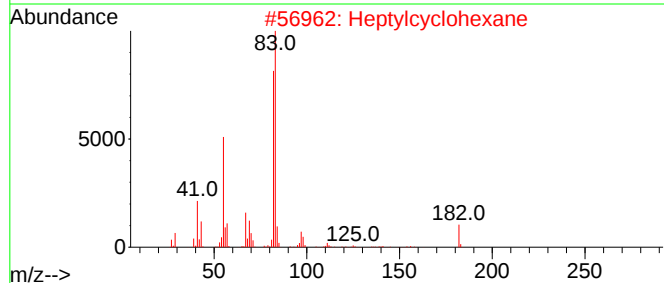
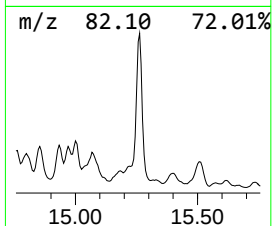
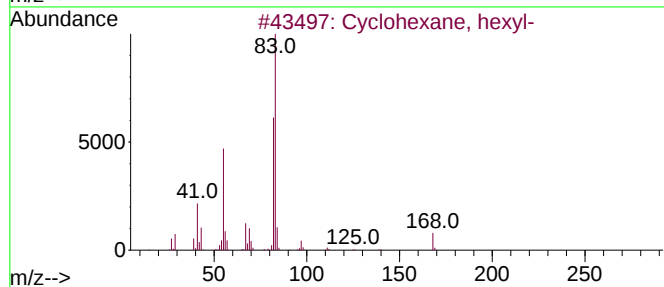
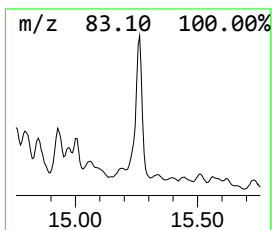
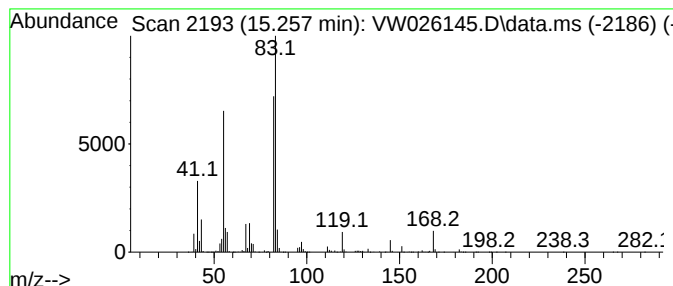
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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Cyclic15.257 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	167.60 ug/L	38273900	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, hexyl-	168	C12H24	004292-75-5	93
2			Heptylcyclohexane	182	C13H26	005617-41-4	87
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
4			Cyclohexane, hexyl-	168	C12H24	004292-75-5	81
5			Cyclohexane, decyl-	224	C16H32	001795-16-0	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

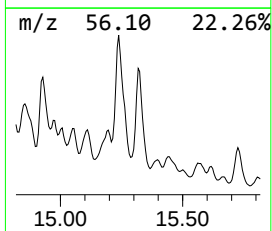
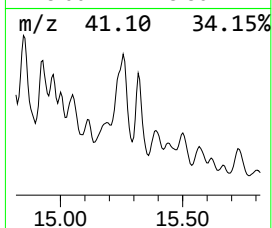
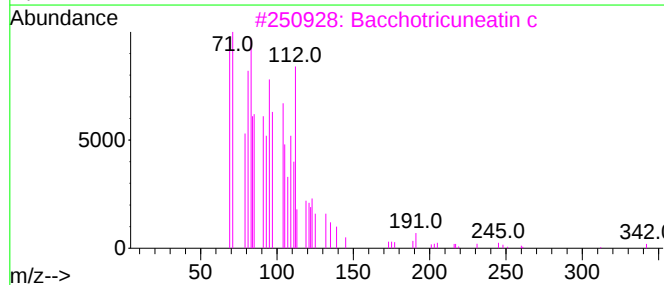
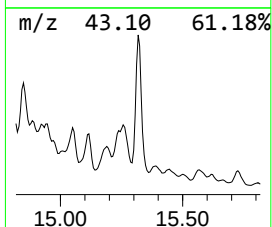
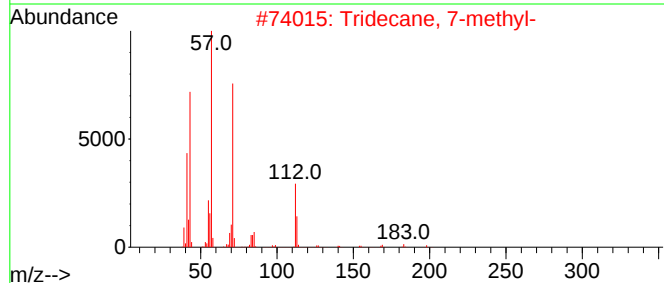
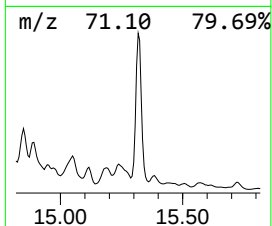
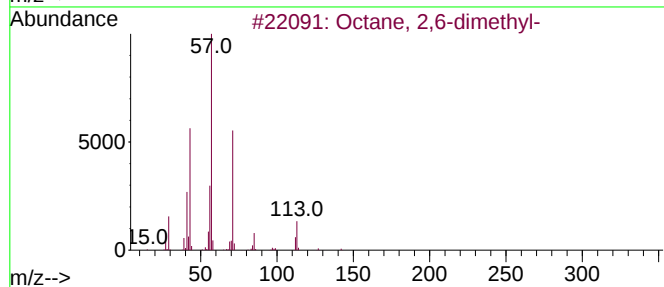
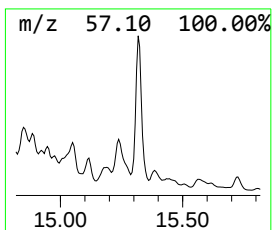
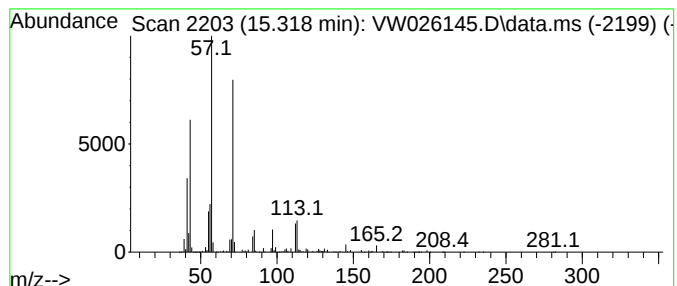
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Quant Title : SFAM01.0

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	103.50 ug/L	23636000	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Tridecane, 7-methyl-	198	C14H30	026730-14-3	74
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

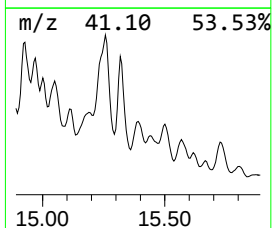
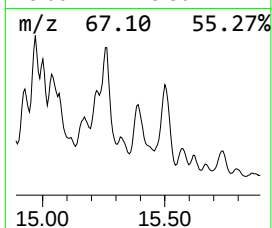
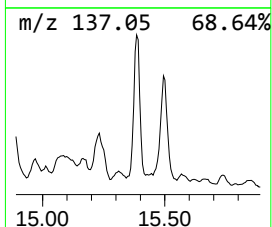
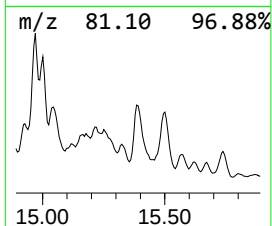
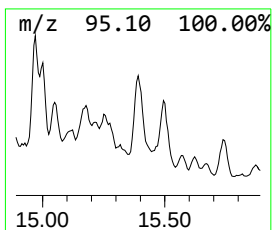
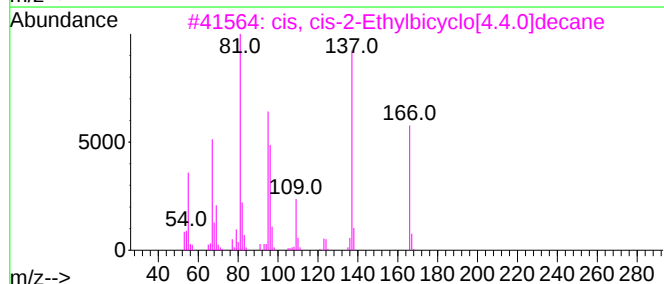
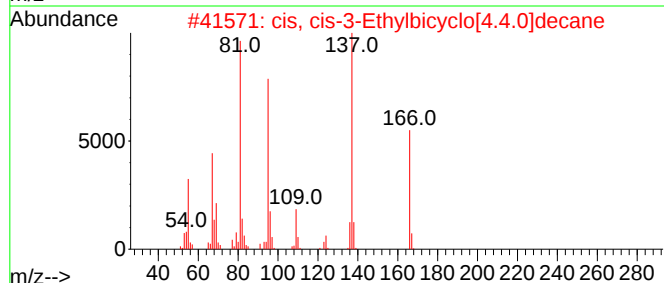
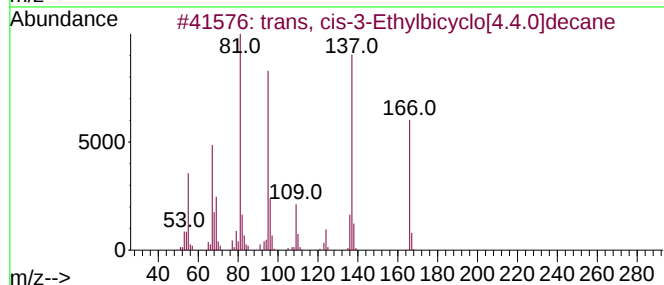
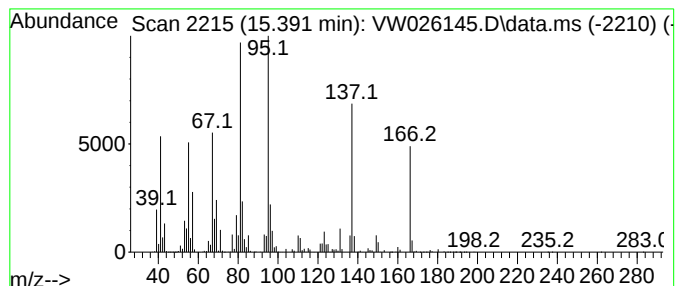
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Quant Title : SFAM01.0

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

Peak Number 62 trans, cis-3-Ethylbicyclo[4... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	49.39 ug/L	11279400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	91
2			cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	87
3			cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	76
4			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	70
5			cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

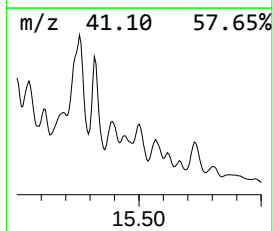
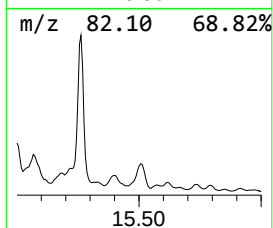
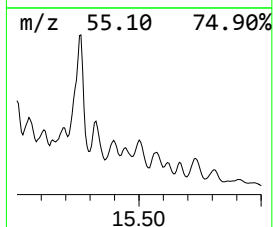
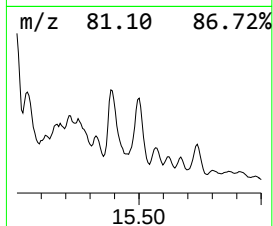
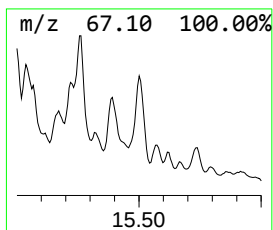
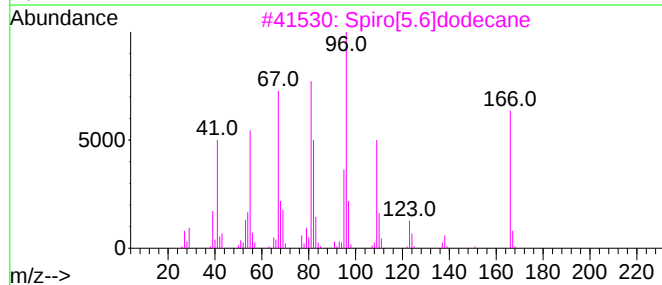
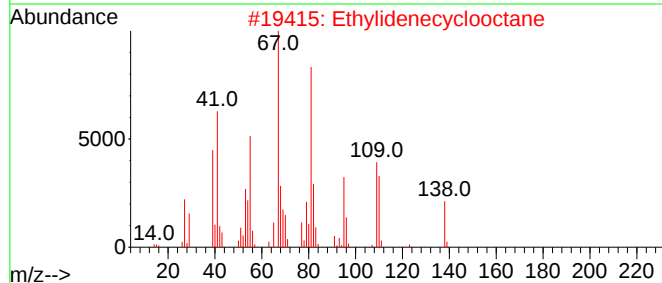
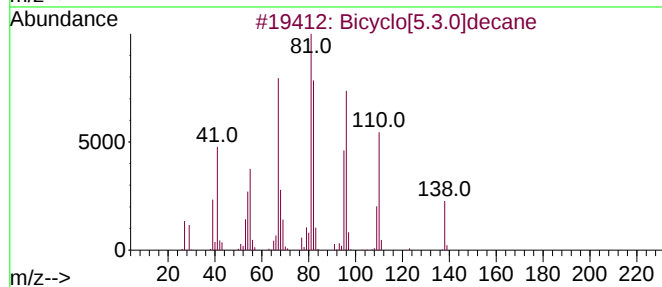
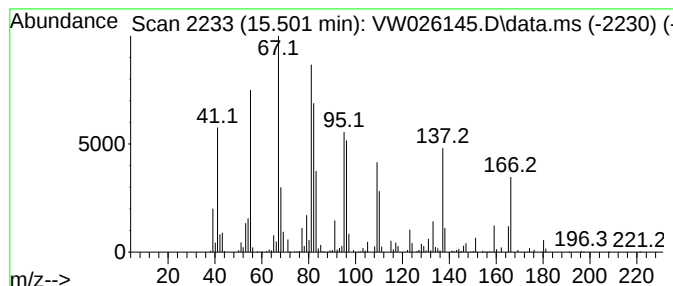
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Quant Title : SFAM01.0

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

Peak Number 63 Bicyclo[5.3.0]decane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.501	52.04 ug/L	11884100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	60
2			Ethylidenecyclooctane	138	C10H18	019780-51-9	58
3			Spiro[5.6]dodecane	166	C12H22	000181-15-7	58
4			5,7-Dodecadiene, (Z,Z)-	166	C12H22	006108-62-9	53
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

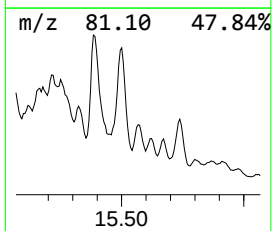
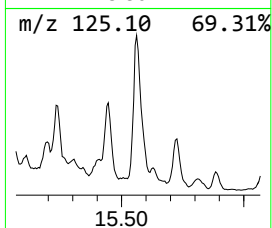
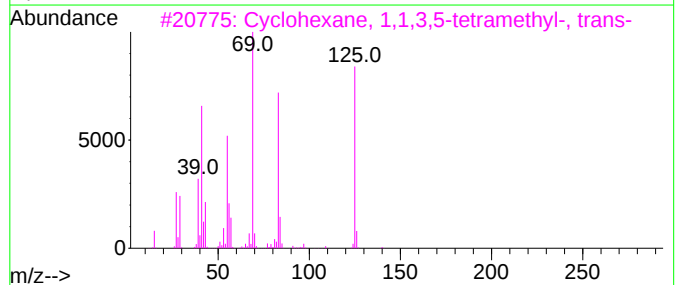
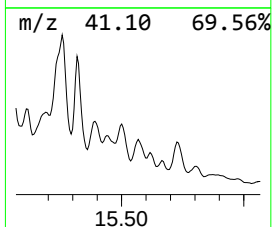
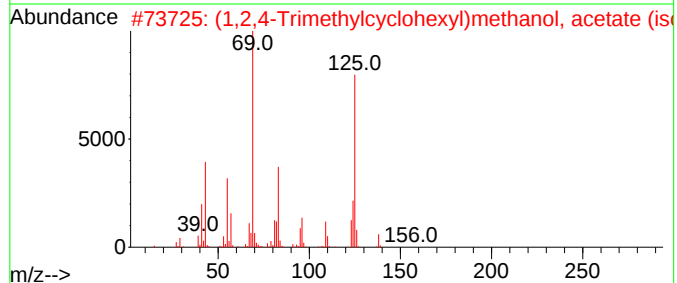
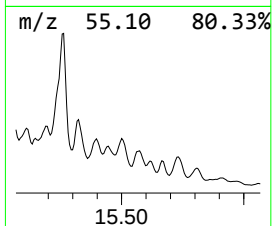
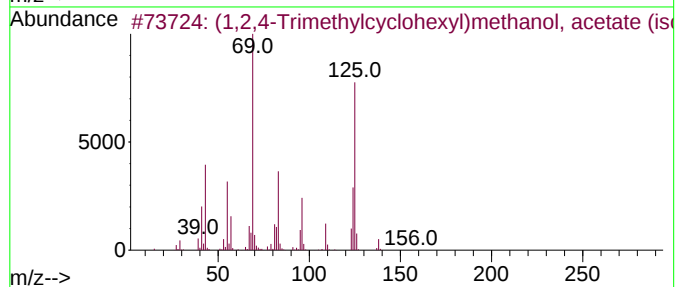
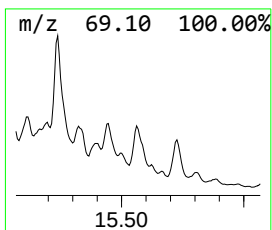
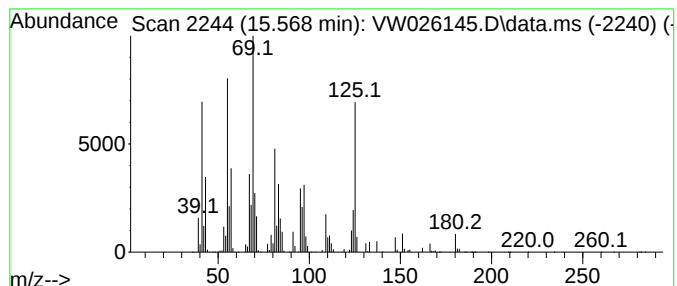
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Quant Title : SFAM01.0

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

Peak Number 64 (1,2,4-Trimethylcyclohexyl)... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	27.38 ug/L	6253490	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	72		
2	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1010499-04-6	64		
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	46		
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38		
5	Geraniol	154	C10H18O	000106-24-1	30		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
Data File : VW026145.D
Acq On : 08 Jun 2023 20:42
Operator : SY/MD
Sample : 03101-10
Misc : 5.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZEM6

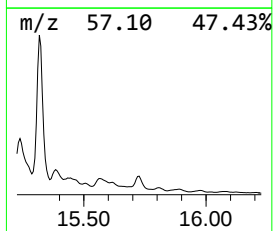
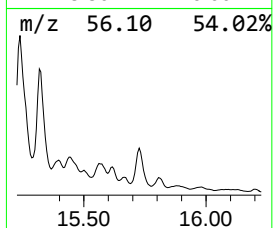
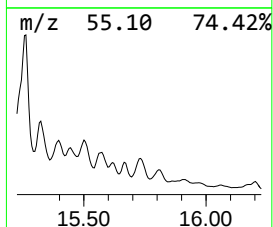
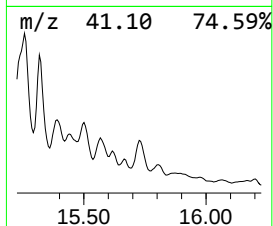
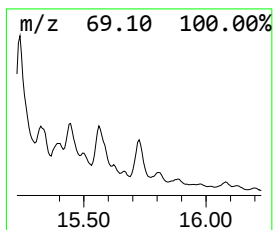
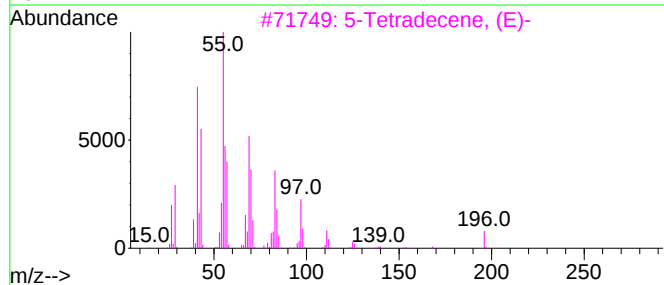
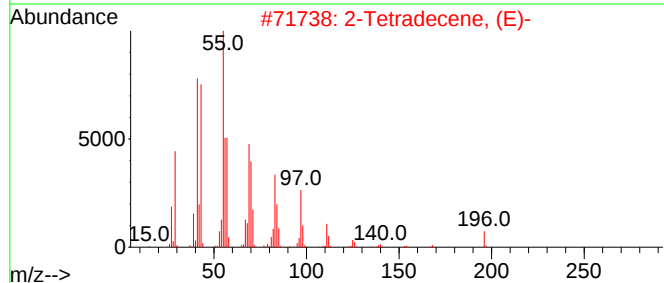
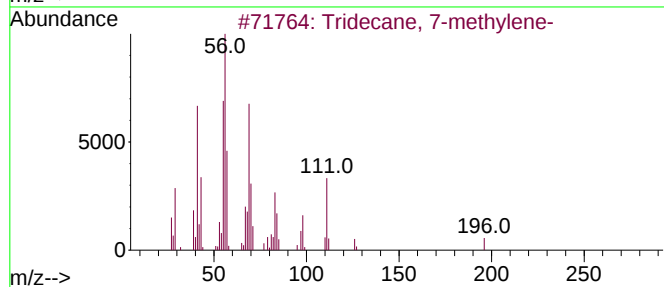
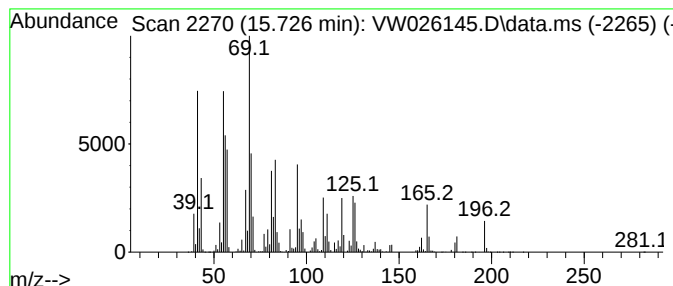
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Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.726	42.03 ug/L	9597530	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methylene-	196	C14H28	019780-80-4	46
2			2-Tetradecene, (E)-	196	C14H28	035953-54-9	35
3			5-Tetradecene, (E)-	196	C14H28	041446-66-6	35
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	30
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060823\
 Data File : VW026145.D
 Acq On : 08 Jun 2023 20:42
 Operator : SY/MD
 Sample : 03101-10
 Misc : 5.81g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZEM6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	9.752	1.4	ug/L	79220	1	8.843	1438840	25.0
(DEL) Alkane: S...	9.892	1.6	ug/L	91847	1	8.843	1438840	25.0
(DEL) Alkane: S...	9.953	1.5	ug/L	88118	1	8.843	1438840	25.0
(DEL) Alkane: S...	10.093	2.6	ug/L	149528	1	8.843	1438840	25.0
(DEL) Alkane: S...	10.245	1.4	ug/L	62977	2	11.629	1100920	25.0
(DEL) Alkane: C...	10.501	2.0	ug/L	87168	2	11.629	1100920	25.0
(DEL) Alkane: C...	10.666	2.0	ug/L	87535	2	11.629	1100920	25.0
(DEL) Alkane: C...	10.764	2.5	ug/L	109423	2	11.629	1100920	25.0
(DEL) Alkane: S...	10.843	2.1	ug/L	92776	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.032	5.2	ug/L	230496	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.105	2.2	ug/L	96974	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.178	4.4	ug/L	192599	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.227	13.6	ug/L	599550	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.337	11.6	ug/L	508853	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.379	3.7	ug/L	161079	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.434	11.2	ug/L	493637	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.507	17.1	ug/L	754440	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.763	6.4	ug/L	282064	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.812	15.2	ug/L	670940	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.873	30.3	ug/L	1336210	2	11.629	1100920	25.0
(DEL) Alkane: C...	11.916	21.9	ug/L	962448	2	11.629	1100920	25.0
(DEL) Alkane: S...	11.971	11.0	ug/L	485094	2	11.629	1100920	25.0
(DEL) Alkane: S...	12.056	17.1	ug/L	752875	2	11.629	1100920	25.0
(DEL) Alkane: S...	12.135	77.0	ug/L	3391870	2	11.629	1100920	25.0
unknown-01	12.184	20.9	ug/L	921086	2	11.629	1100920	25.0
(DEL) Alkane: S...	12.251	186.5	ug/L	8211440	2	11.629	1100920	25.0
(DEL) Alkane: S...	12.361	383.4	ug/L	16881500	2	11.629	1100920	25.0
(DEL) Alkane: S...	12.501	244.7	ug/L	10773400	2	11.629	1100920	25.0
Oxalic acid, 2-...	12.617	11.2	ug/L	2554740	3	13.556	5709120	25.0
(DEL) Alkane: S...	12.745	3.7	ug/L	855030	3	13.556	5709120	25.0
(DEL) Alkane: C...	12.775	38.5	ug/L	8779740	3	13.556	5709120	25.0
(DEL) Alkane: C...	12.855	31.3	ug/L	7149950	3	13.556	5709120	25.0
(DEL) Alkane: C...	12.940	104.3	ug/L	23821400	3	13.556	5709120	25.0
(DEL) Alkane: C...	12.989	35.9	ug/L	8202180	3	13.556	5709120	25.0
(DEL) Alkane: C...	13.044	6.5	ug/L	1495120	3	13.556	5709120	25.0
(DEL) Alkane: C...	13.074	29.8	ug/L	6803690	3	13.556	5709120	25.0
(DEL) Alkane: C...	13.123	25.2	ug/L	5745840	3	13.556	5709120	25.0
Heptane, 3-[(et...	13.184	13.6	ug/L	3098070	3	13.556	5709120	25.0
(DEL) Alkane: S...	13.294	40.5	ug/L	9251570	3	13.556	5709120	25.0
(DEL) Alkane: S...	13.342	66.1	ug/L	15099400	3	13.556	5709120	25.0
(DEL) Alkane: C...	13.446	176.5	ug/L	40302700	3	13.556	5709120	25.0
(DEL) Alkane: S...	13.696	73.2	ug/L	16707400	3	13.556	5709120	25.0
Sulfurous acid,...	13.922	82.0	ug/L	18735100	3	13.556	5709120	25.0
unknown-02	13.976	84.3	ug/L	19253000	3	13.556	5709120	25.0
(DEL) Alkane: S...	14.190	47.4	ug/L	10816900	3	13.556	5709120	25.0
Oxirane, [(dode...	14.263	116.0	ug/L	26488500	3	13.556	5709120	25.0
(DEL) Alkane: S...	14.312	50.8	ug/L	11609400	3	13.556	5709120	25.0
(DEL) Alkane: C...	14.385	369.9	ug/L	84460000	3	13.556	5709120	25.0
(DEL) Alkane: S...	14.452	46.2	ug/L	10557300	3	13.556	5709120	25.0
1-Methyldecahyd...	14.550	176.2	ug/L	40230800	3	13.556	5709120	25.0
unknown-03	14.598	40.9	ug/L	9328100	3	13.556	5709120	25.0
(DEL) Alkane: S...	14.659	43.5	ug/L	9941230	3	13.556	5709120	25.0

(DEL) Alkane: C...	14.739	64.8	ug/L	14794400	3	13.556	5709120	25.0
(DEL) Alkane: C...	14.793	122.8	ug/L	28034600	3	13.556	5709120	25.0
unknown-04	14.854	135.0	ug/L	30829000	3	13.556	5709120	25.0
Sulfurous acid,...	14.928	70.5	ug/L	16095800	3	13.556	5709120	25.0
Naphthalene, de...	14.970	27.1	ug/L	6178620	3	13.556	5709120	25.0
(DEL) Alkane: C...	15.257	167.6	ug/L	38273900	3	13.556	5709120	25.0
(DEL) Alkane: S...	15.318	103.5	ug/L	23636000	3	13.556	5709120	25.0
trans, cis-3-Et...	15.391	49.4	ug/L	11279400	3	13.556	5709120	25.0
Bicyclo[5.3.0]d...	15.501	52.0	ug/L	11884100	3	13.556	5709120	25.0
(1,2,4-Trimethy...	15.568	27.4	ug/L	6253490	3	13.556	5709120	25.0
(DEL) Alkane: S...	15.726	42.0	ug/L	9597530	3	13.556	5709120	25.0

Instrument :

MSVOA_W

ClientSampleId :

EZEM6