

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026044.D
 Acq On : 25 May 2023 16:38
 Operator : SY/MD
 Sample : 02950-09
 Misc : 3.47g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW986

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\SFAMWLM050123SMA.M
 Title : SFAM01.0

Signal : TIC: VW026044.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	69	78	91	rBV2	140507	362958	9.12%	0.431%
2	2.893	157	165	182	rBV	116109	341960	8.60%	0.406%
3	4.021	339	350	363	rBV	243359	814008	20.46%	0.966%
4	4.923	485	498	522	rVB4	102628	471368	11.85%	0.559%
5	5.941	653	665	675	rBV2	42630	130442	3.28%	0.155%
6	6.984	827	836	843	rVV2	57038	162657	4.09%	0.193%
7	7.075	843	851	863	rVV	116898	317427	7.98%	0.377%
8	7.648	933	945	961	rBV	473628	1192639	29.98%	1.416%
9	7.959	987	996	1001	rVV	63599	166037	4.17%	0.197%
10	8.032	1001	1008	1021	rVV	104651	276102	6.94%	0.328%
11	8.154	1021	1028	1034	rVV	80969	178088	4.48%	0.211%
12	8.276	1034	1048	1063	rVB2	917265	2871556	72.18%	3.408%
13	8.435	1064	1074	1079	rBV2	202843	546166	13.73%	0.648%
14	8.502	1079	1085	1091	rVV3	203362	560663	14.09%	0.665%
15	8.575	1091	1097	1108	rVB	281243	653166	16.42%	0.775%
16	8.843	1132	1141	1153	rVV	930028	1929504	48.50%	2.290%
17	9.276	1203	1212	1217	rBV2	711037	1818310	45.70%	2.158%
18	9.331	1217	1221	1227	rVV	713300	1508375	37.91%	1.790%
19	9.380	1227	1229	1238	rVB	117723	199502	5.01%	0.237%
20	9.514	1245	1251	1257	rVV	195896	373256	9.38%	0.443%
21	9.605	1257	1266	1273	rVV	303000	614143	15.44%	0.729%
22	9.752	1282	1290	1300	rVB2	443138	900654	22.64%	1.069%
23	9.849	1300	1306	1309	rBV2	85005	161183	4.05%	0.191%
24	9.892	1309	1313	1318	rVV2	194122	379309	9.53%	0.450%
25	9.941	1318	1321	1327	rVB3	94885	162430	4.08%	0.193%
26	10.032	1329	1336	1340	rBV	283098	537751	13.52%	0.638%
27	10.075	1340	1343	1348	rVV2	134314	222873	5.60%	0.265%
28	10.124	1348	1351	1358	rVB	95646	164545	4.14%	0.195%
29	10.203	1359	1364	1367	rBV2	92261	170262	4.28%	0.202%
30	10.239	1367	1370	1376	rVB3	101573	182951	4.60%	0.217%
31	10.319	1376	1383	1396	rBV	1905422	3978491	100.00%	4.722%
32	10.447	1398	1404	1406	rBV	206960	347237	8.73%	0.412%
33	10.502	1406	1413	1420	rVB4	511271	1401932	35.24%	1.664%
34	10.575	1420	1425	1429	rBV	194495	364169	9.15%	0.432%
35	10.660	1435	1439	1447	rVB	551164	966478	24.29%	1.147%
36	10.758	1447	1455	1461	rBV4	369089	897805	22.57%	1.066%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Title : SFAM01.0

37	10.843	1465	1469	1474	rVB	163329	287108	7.22%	0.341%
38	10.928	1474	1483	1490	rBV2	828111	1653307	41.56%	1.962%
39	11.032	1490	1500	1507	rBV4	212110	803743	20.20%	0.954%
40	11.099	1507	1511	1515	rBV2	278617	475235	11.95%	0.564%
41	11.142	1515	1518	1519	rVV2	177495	214775	5.40%	0.255%
42	11.178	1519	1524	1528	rVV	641263	1105766	27.79%	1.312%
43	11.227	1528	1532	1538	rVB	810963	1372512	34.50%	1.629%
44	11.282	1538	1541	1544	rBV2	119923	168443	4.23%	0.200%
45	11.331	1544	1549	1554	rVB2	384697	637901	16.03%	0.757%
46	11.379	1554	1557	1561	rVB2	100914	140363	3.53%	0.167%
47	11.434	1561	1566	1573	rVB	396731	736522	18.51%	0.874%
48	11.501	1573	1577	1581	rBV	117374	199883	5.02%	0.237%
49	11.556	1582	1586	1592	rVB3	89845	156621	3.94%	0.186%
50	11.629	1592	1598	1610	rBV	1058586	1961176	49.29%	2.328%
51	11.721	1610	1613	1616	rBV2	106340	158144	3.97%	0.188%
52	11.764	1616	1620	1622	rBV	161279	203064	5.10%	0.241%
53	11.806	1622	1627	1632	rVB4	329003	652194	16.39%	0.774%
54	11.873	1632	1638	1641	rBV	489238	866979	21.79%	1.029%
55	11.910	1641	1644	1650	rVB3	459864	801164	20.14%	0.951%
56	11.971	1650	1654	1659	rBV4	119546	215543	5.42%	0.256%
57	12.050	1661	1667	1674	rVB7	102778	338576	8.51%	0.402%
58	12.135	1674	1681	1687	rBV2	681653	1481414	37.24%	1.758%
59	12.245	1693	1699	1704	rVB	863439	1478317	37.16%	1.755%
60	12.361	1704	1718	1725	rBV3	974306	3975814	99.93%	4.719%
61	12.459	1730	1734	1737	rVV4	241477	539596	13.56%	0.640%
62	12.501	1738	1741	1744	rVV3	363748	678517	17.05%	0.805%
63	12.538	1744	1747	1753	rVB3	504847	783152	19.68%	0.930%
64	12.611	1754	1759	1763	rBV5	171648	314500	7.91%	0.373%
65	12.690	1767	1772	1778	rBV	680348	1162800	29.23%	1.380%
66	12.776	1782	1786	1793	rVB4	657724	1218928	30.64%	1.447%
67	12.855	1793	1799	1803	rBV4	275126	606993	15.26%	0.720%
68	12.934	1804	1812	1818	rBV5	683353	2055204	51.66%	2.439%
69	12.989	1818	1821	1826	rVB2	391510	580582	14.59%	0.689%
70	13.074	1826	1835	1838	rBV3	389285	843139	21.19%	1.001%
71	13.117	1839	1842	1845	rVV4	233890	410754	10.32%	0.488%
72	13.160	1845	1849	1857	rVB2	1042137	1693464	42.57%	2.010%
73	13.257	1862	1865	1867	rBV3	119929	160933	4.05%	0.191%
74	13.288	1867	1870	1875	rBV	178263	242787	6.10%	0.288%
75	13.343	1875	1879	1882	rBV3	301940	453824	11.41%	0.539%
76	13.440	1890	1895	1899	rBV4	559987	1032198	25.94%	1.225%

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 Title : SFAM01.0

77	13.556	1909	1914	1926	rVB2	657543	1212098	30.47%	1.439%
78	13.690	1932	1936	1941	rBV3	221856	388105	9.76%	0.461%
79	13.757	1942	1947	1951	rVB	376871	631809	15.88%	0.750%
80	13.873	1958	1966	1970	rBV2	893940	2161761	54.34%	2.566%
81	14.013	1986	1989	1994	rBV4	182686	378032	9.50%	0.449%
82	14.092	1998	2002	2005	rVV	633012	972714	24.45%	1.155%
83	14.129	2005	2008	2014	rVB2	430740	646919	16.26%	0.768%
84	14.202	2014	2020	2025	rBV2	688626	1265687	31.81%	1.502%
85	14.257	2026	2029	2035	rVB6	264130	433966	10.91%	0.515%
86	14.379	2042	2049	2053	rBV4	789038	1484086	37.30%	1.761%
87	14.544	2071	2076	2082	rBV4	411674	791288	19.89%	0.939%
88	14.684	2096	2099	2103	rBV4	195421	347474	8.73%	0.412%
89	14.726	2103	2106	2111	rVV6	260351	433292	10.89%	0.514%
90	14.787	2112	2116	2120	rVV3	883027	1765240	44.37%	2.095%
91	14.830	2120	2123	2132	rVB2	802993	1708607	42.95%	2.028%
92	15.056	2155	2160	2164	rVB3	518016	868246	21.82%	1.031%
93	15.171	2173	2179	2185	rBV3	620527	1413800	35.54%	1.678%
94	15.318	2198	2203	2211	rVB3	953320	1584595	39.83%	1.881%
95	15.647	2249	2257	2263	rBV6	378290	1141364	28.69%	1.355%
96	15.720	2265	2269	2276	rVB3	491438	921377	23.16%	1.094%
97	16.159	2336	2341	2345	rBV4	256998	507216	12.75%	0.602%
98	16.275	2355	2360	2367	rVB	625292	1154244	29.01%	1.370%
99	16.531	2398	2402	2407	rVV3	135082	233715	5.87%	0.277%
100	16.635	2411	2419	2430	rVB	890907	2619798	65.85%	3.109%

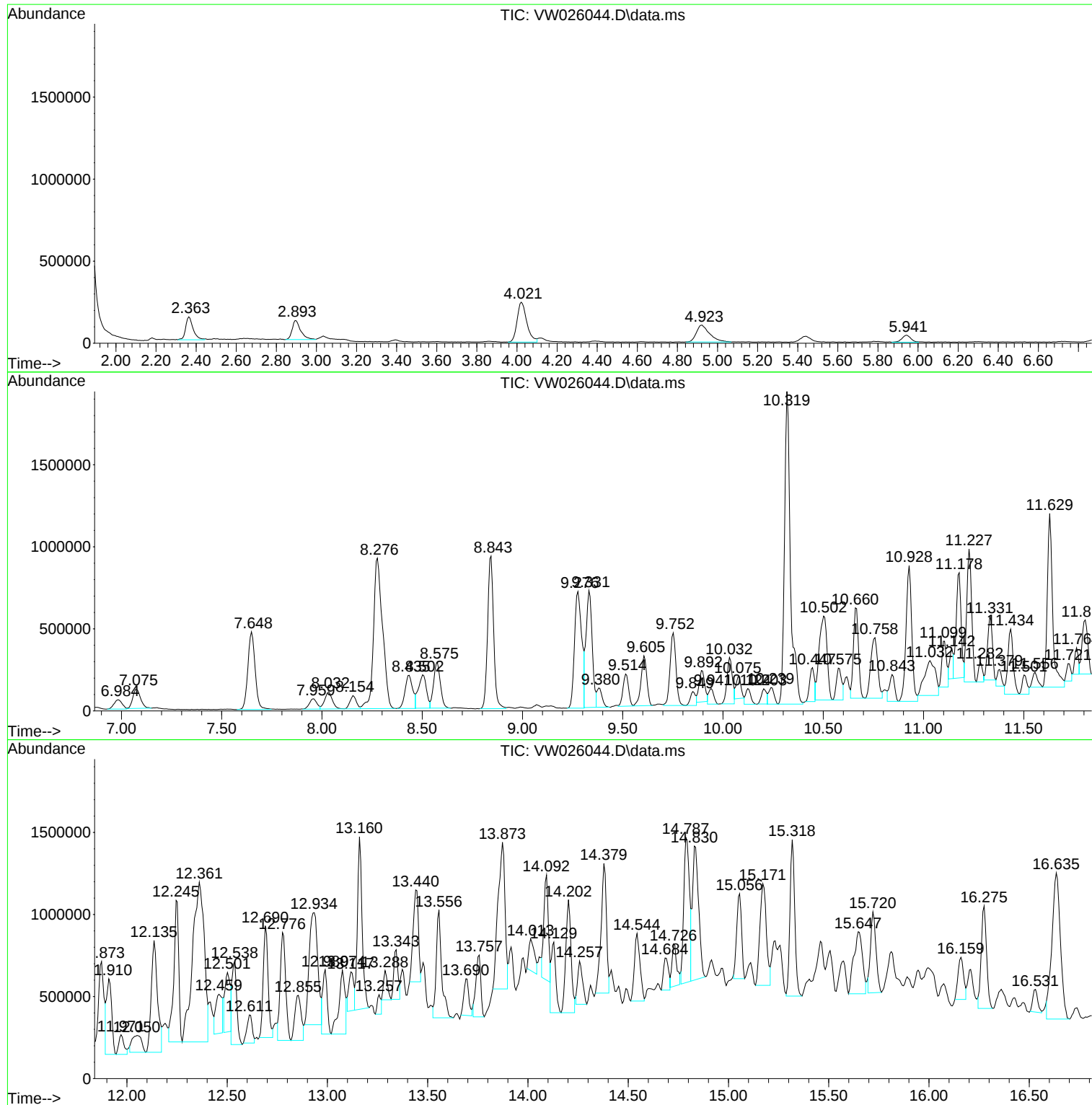
Sum of corrected areas: 84253765

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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



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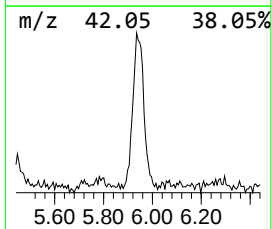
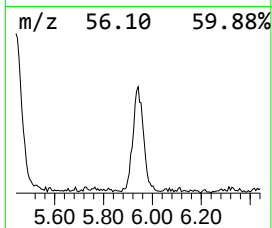
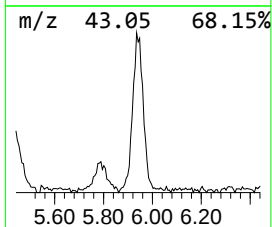
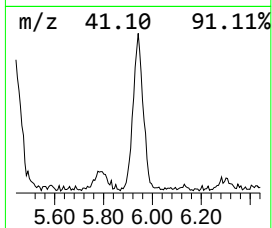
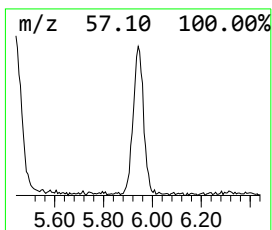
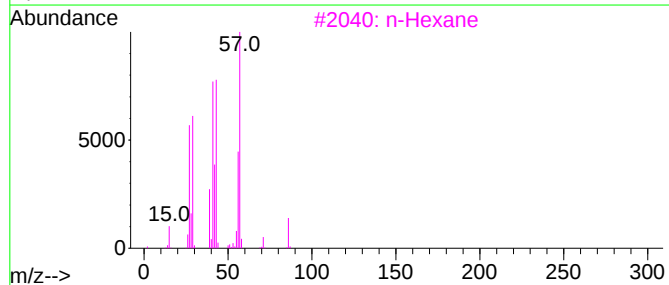
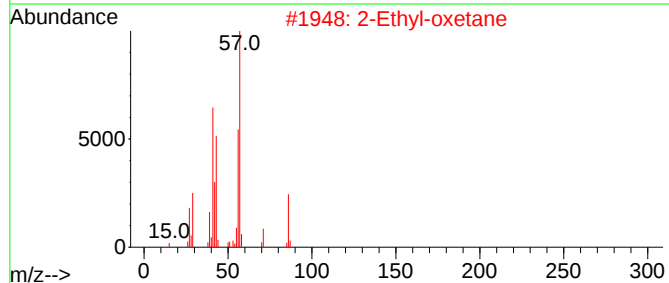
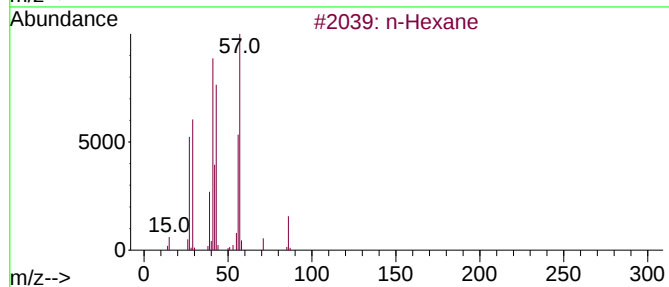
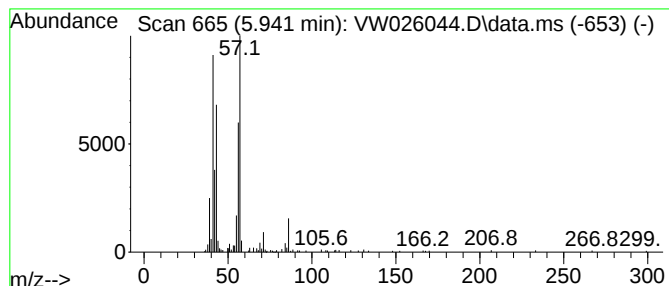
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.69 ug/L	130442	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexane	86	C6H14	000110-54-3	87
2			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	87
3			n-Hexane	86	C6H14	000110-54-3	86
4			n-Hexane	86	C6H14	000110-54-3	50
5			1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42



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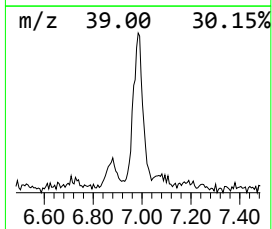
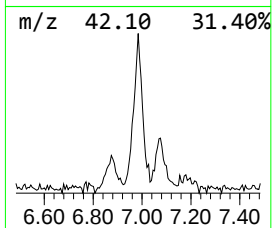
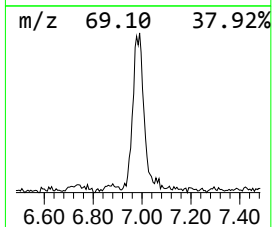
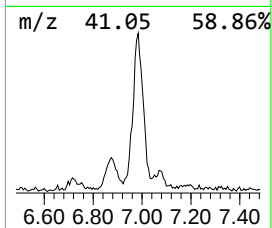
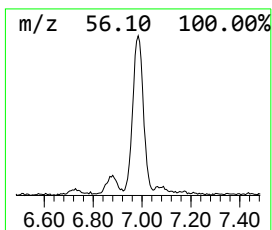
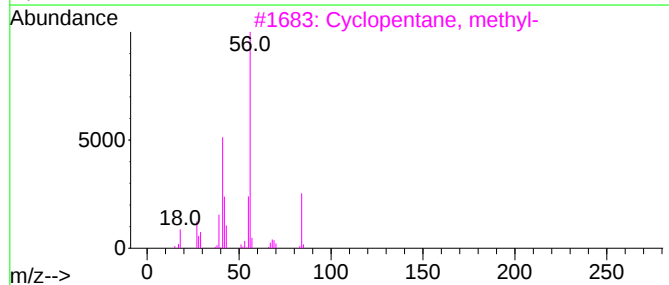
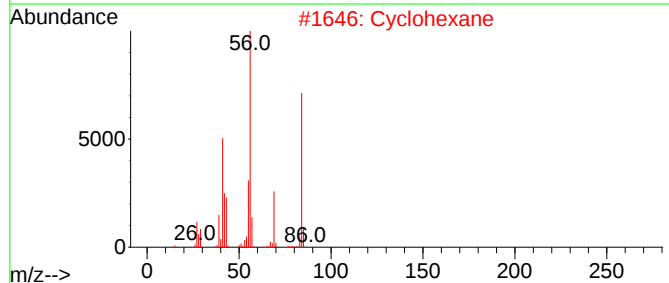
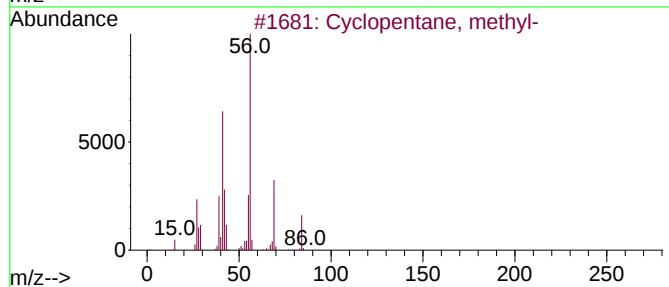
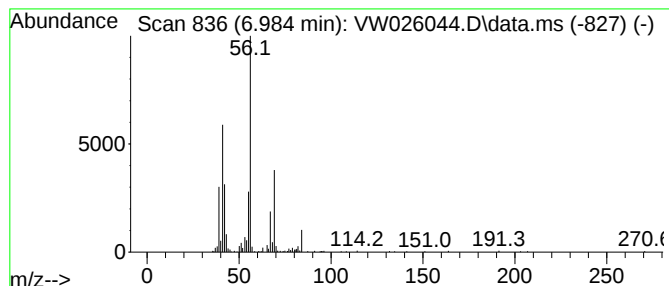
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic6.984 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	2.11 ug/L	162657	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2			Cyclohexane	84	C6H12	000110-82-7	78
3			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5			Cyclohexane	84	C6H12	000110-82-7	59



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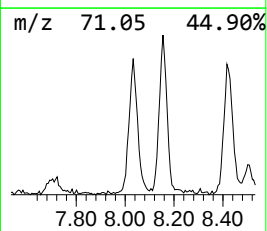
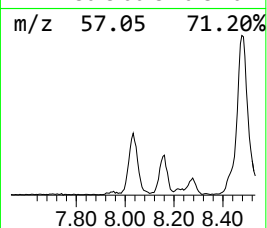
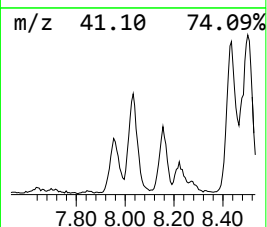
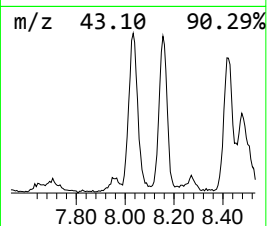
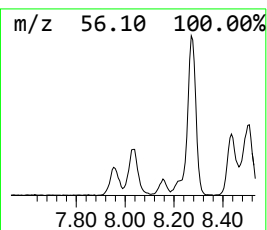
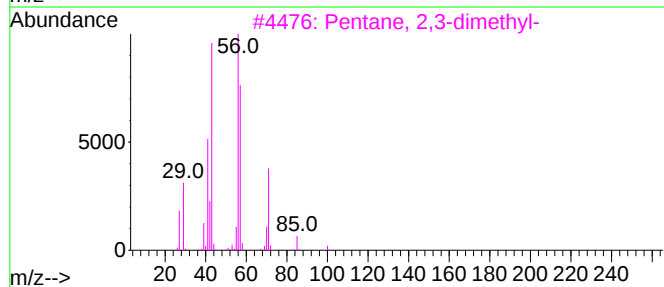
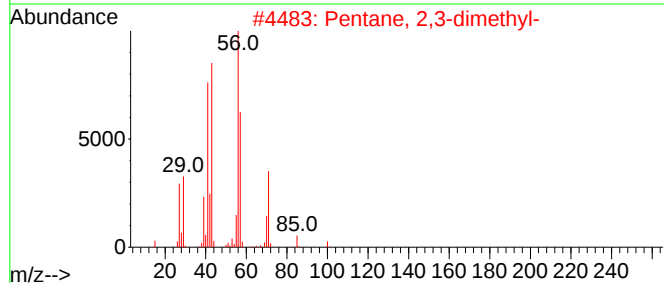
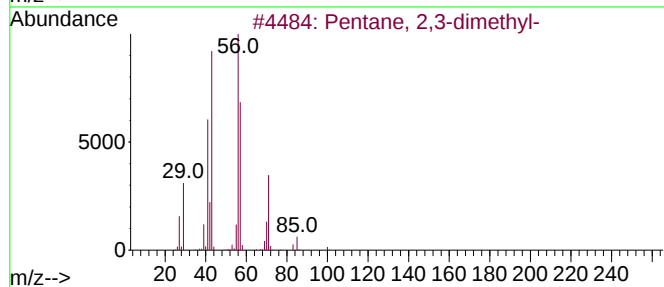
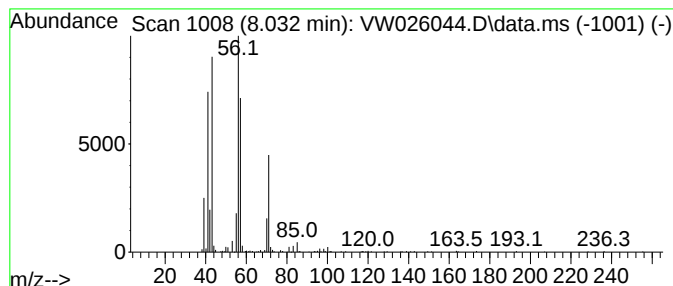
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	3.58 ug/L	276102	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

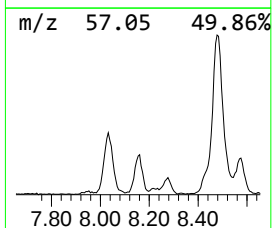
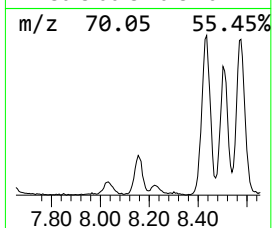
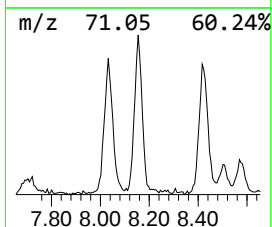
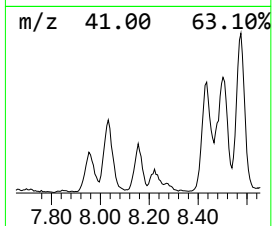
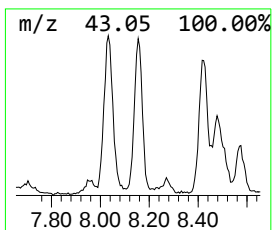
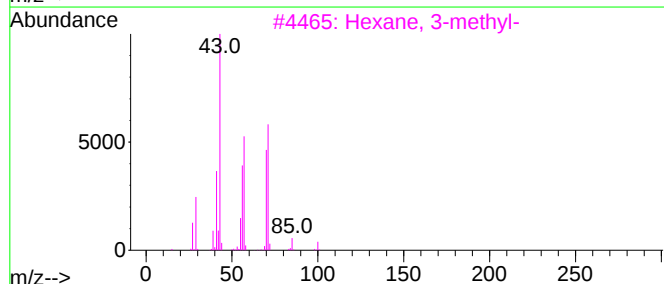
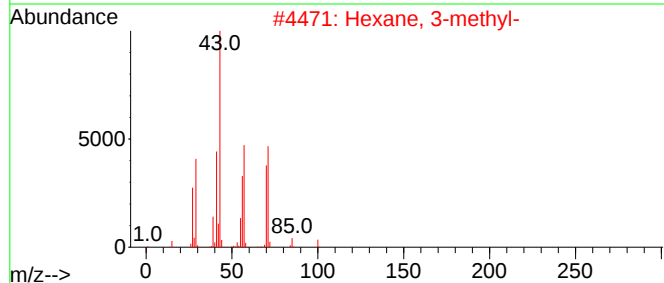
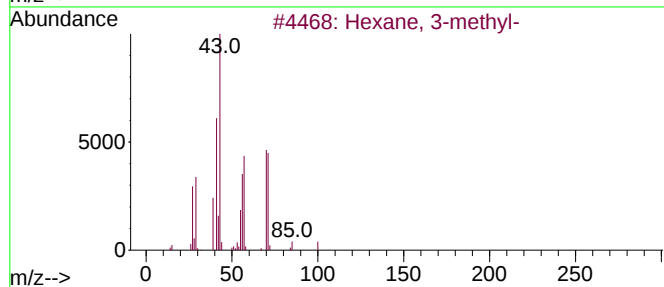
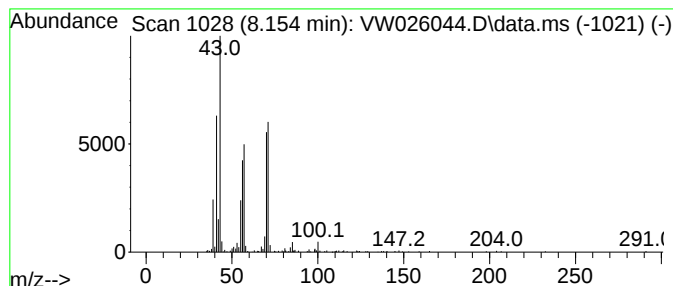
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	2.31 ug/L	178088	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

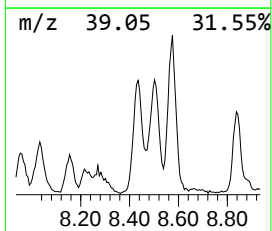
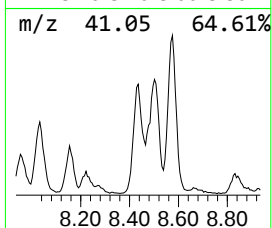
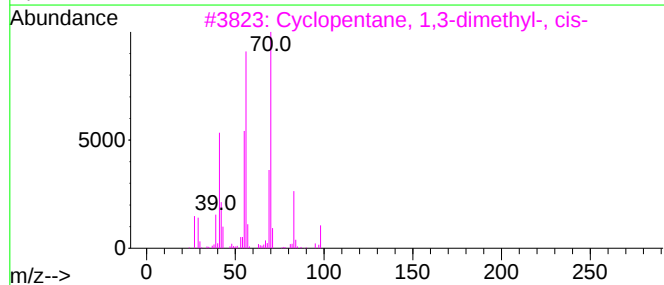
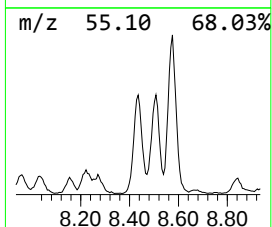
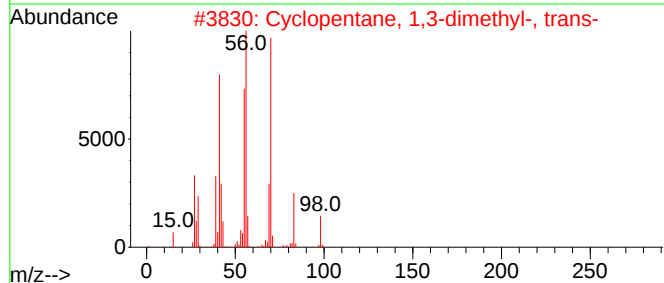
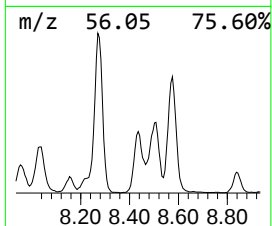
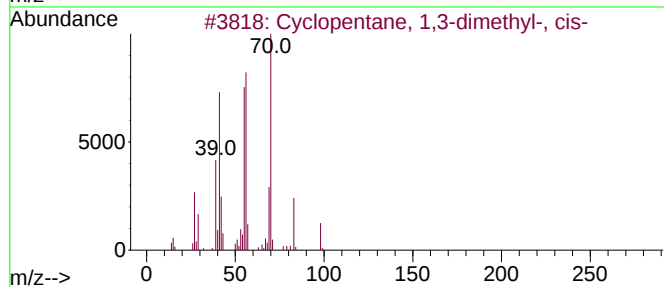
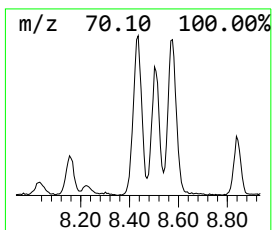
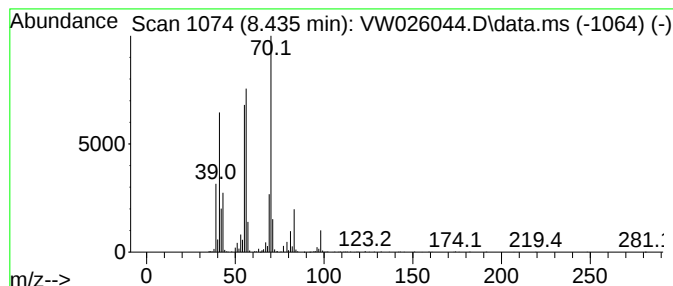
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MSVOA_W
ClientSampleId :
EW986

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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic8.435 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.435	7.08 ug/L	546166	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

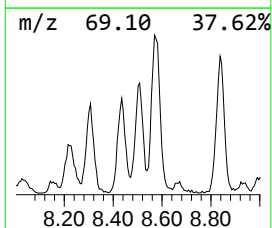
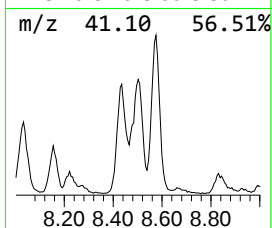
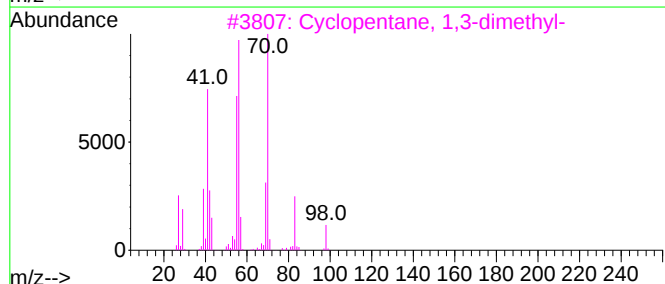
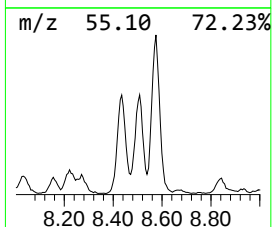
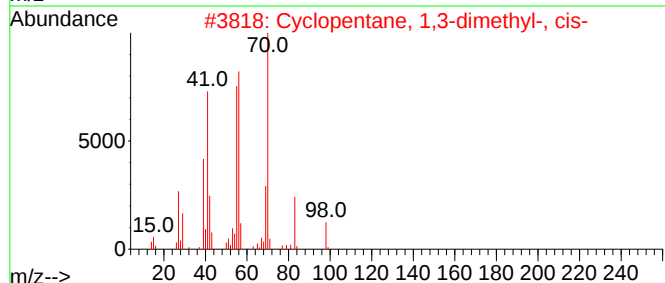
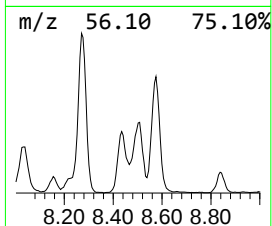
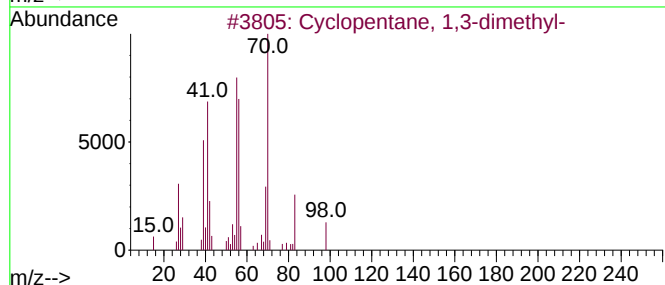
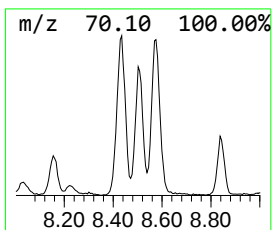
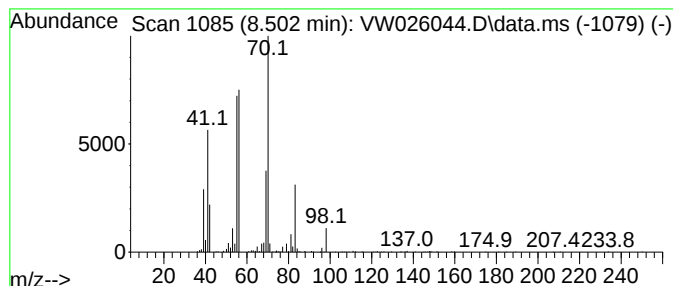
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.502 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.502	7.26 ug/L	560663	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4			Furan, 3-butyltetrahydro-2-methy...	142	C9H18O	036712-20-6	72
5			1-Heptanethiol	132	C7H16S	001639-09-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

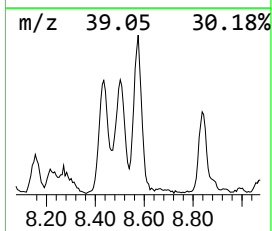
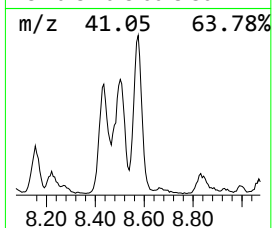
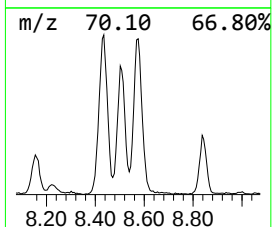
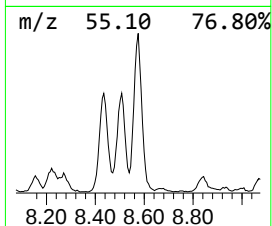
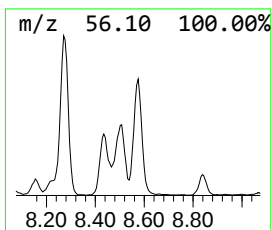
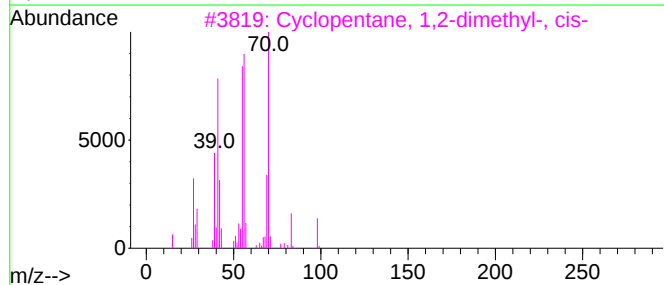
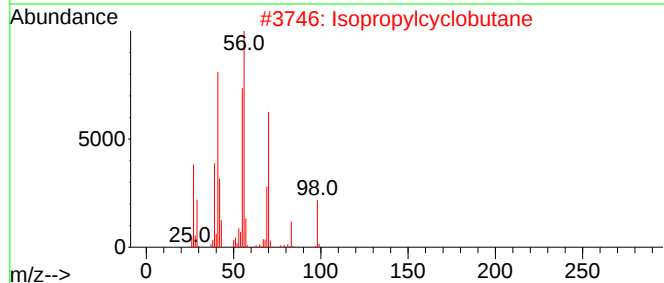
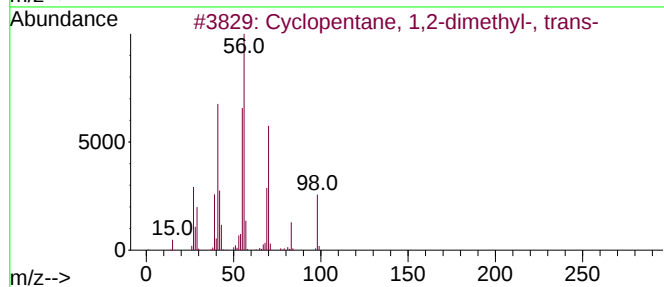
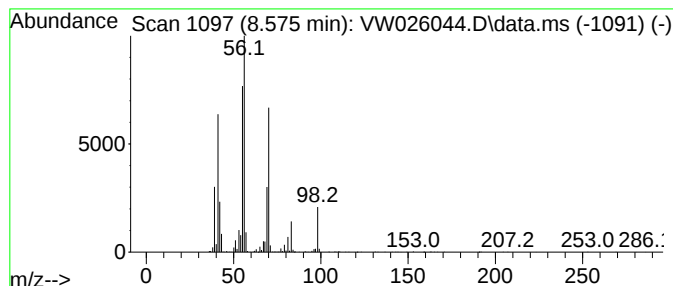
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.575 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	8.46 ug/L	653166	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2			Isopropylcyclobutane	98	C7H14	000872-56-0	90
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

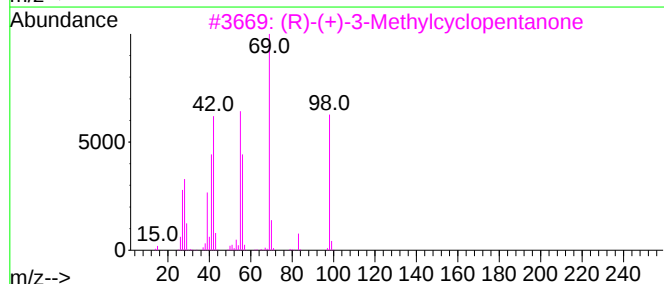
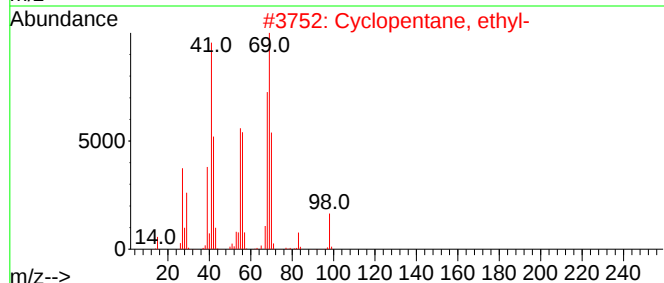
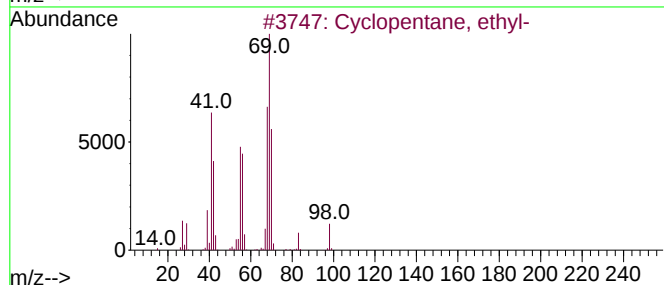
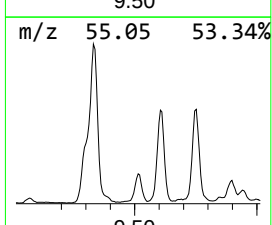
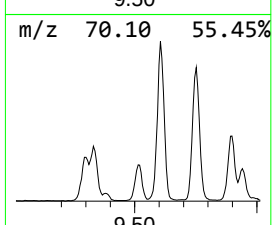
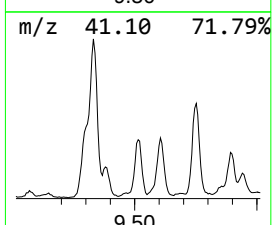
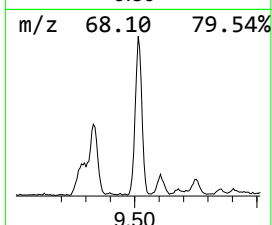
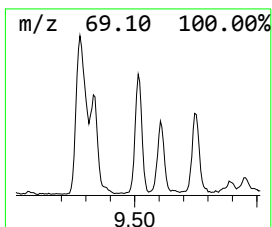
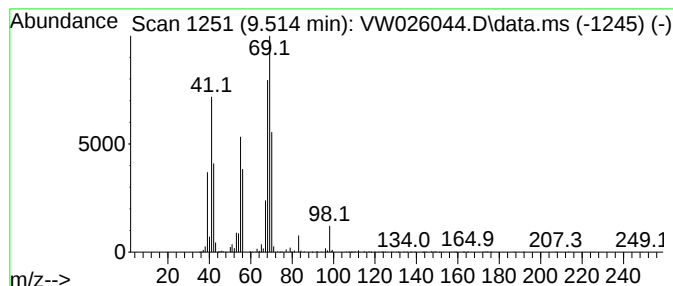
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic9.514 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.514	4.84 ug/L	373256	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	74
3			(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
4			Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	43
5			(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

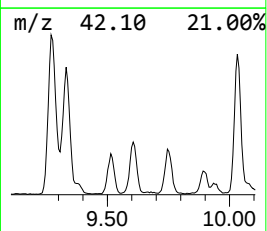
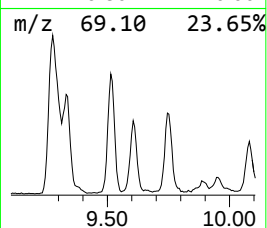
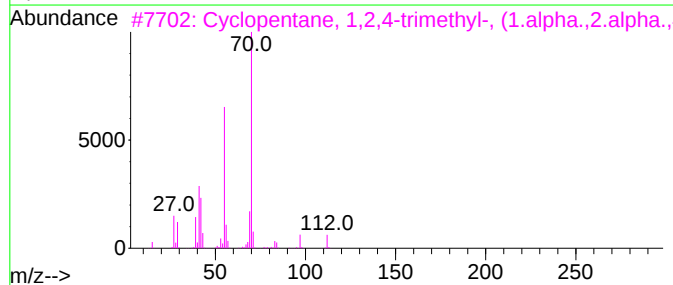
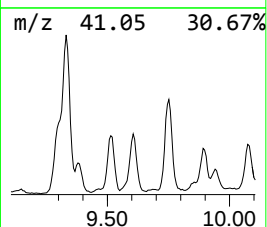
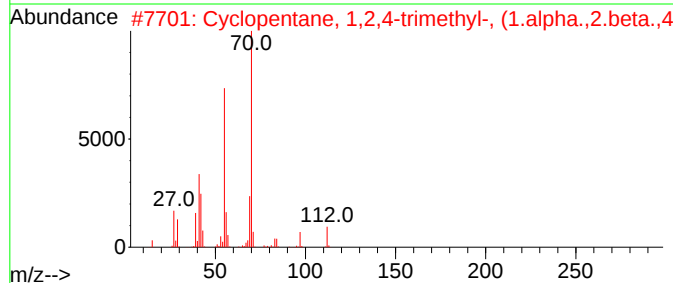
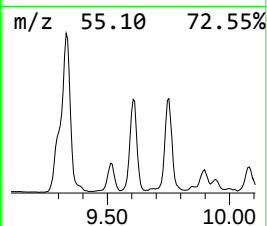
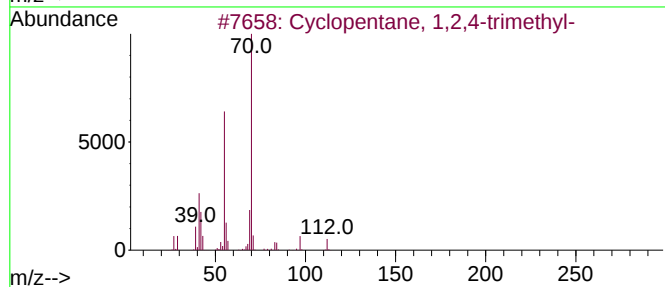
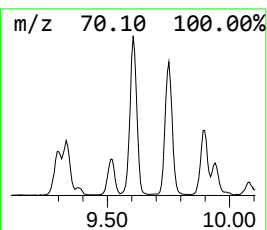
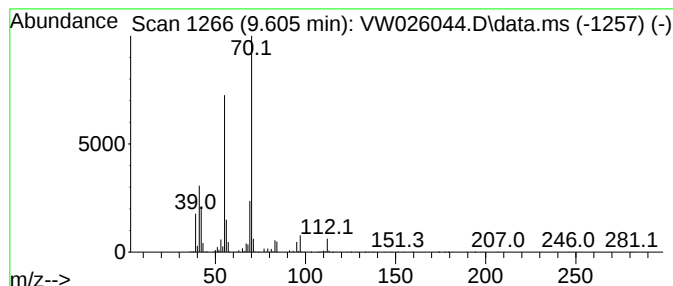
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic9.605 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	7.96 ug/L	614143	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
5			5,5-Dimethyloxolan-3-amine	115	C6H13NO	1000444-86-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

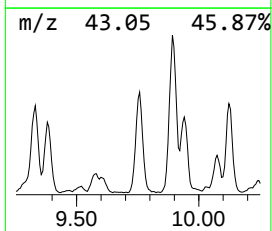
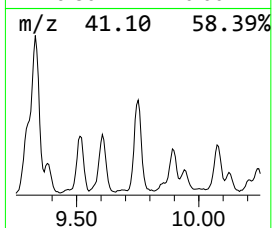
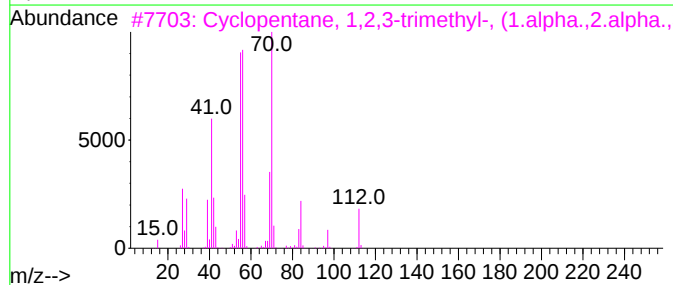
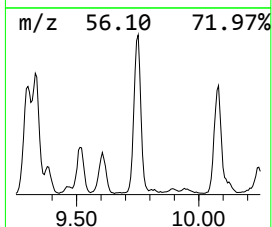
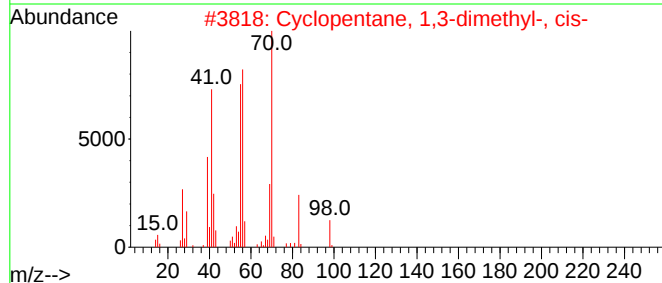
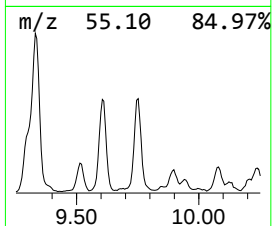
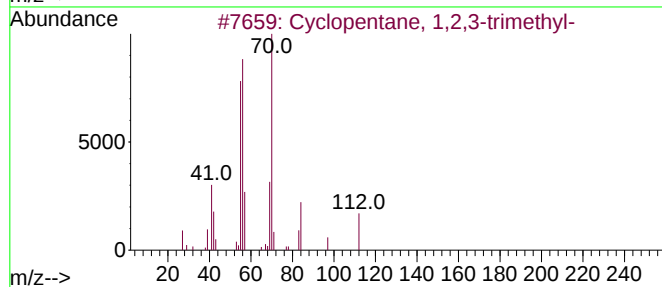
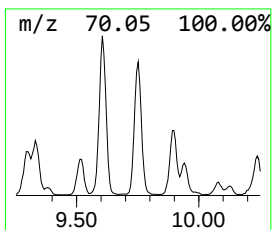
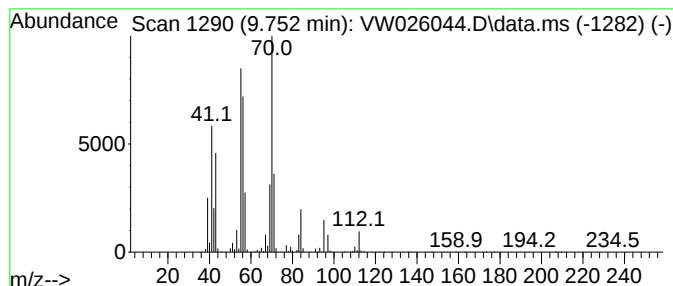
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic9.752 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	11.67 ug/L	900654	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	81
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	74
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

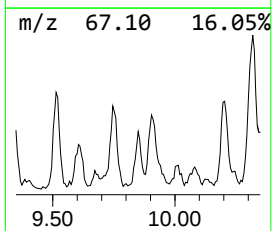
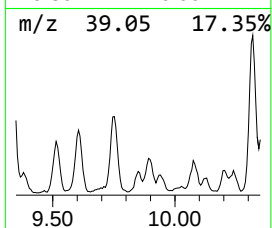
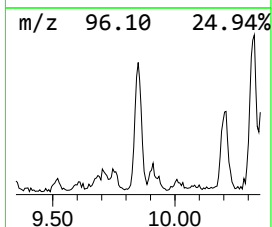
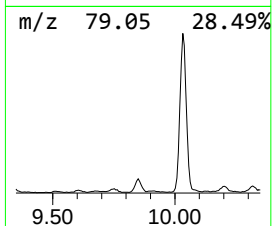
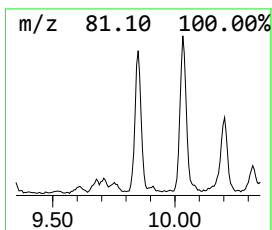
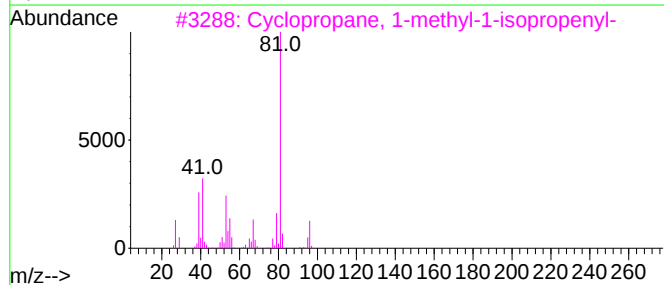
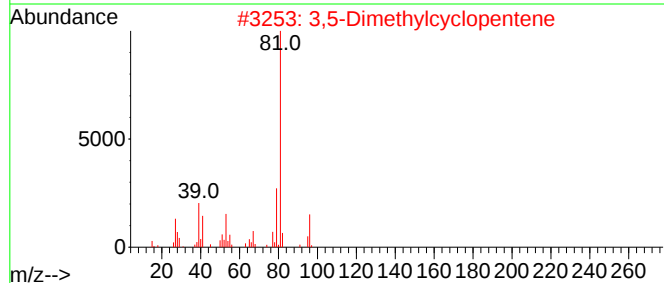
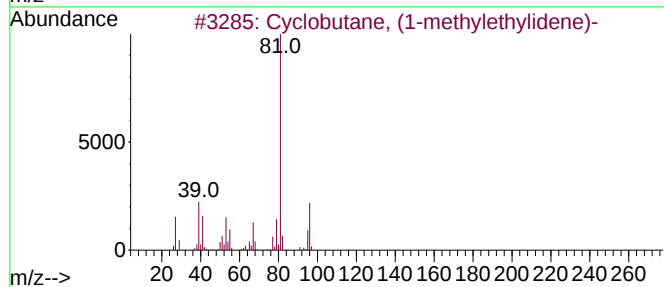
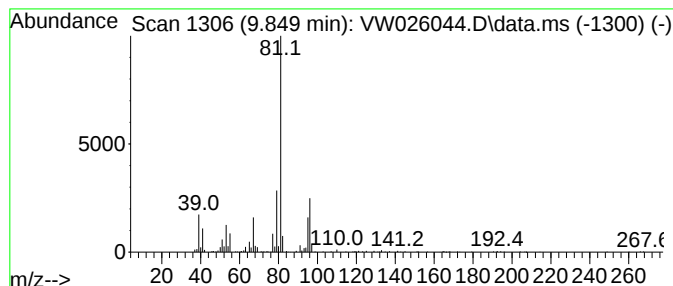
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Quant Title : SFAM01.0

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

Peak Number 11 Cyclobutane, (1-methylethyl... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.849	2.09 ug/L	161183	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	83
2		3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
3		Cyclopropane, 1-methyl-1-isopropyl-	96	C7H12	003422-07-9	72
4		Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	64
5		2-Butenenitrile, 2-amino-3-methyl-	96	C5H8N2	1010196-28-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

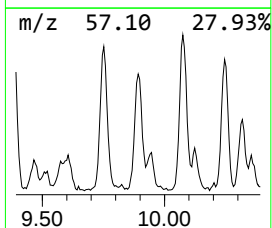
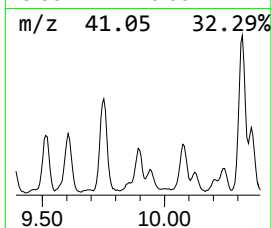
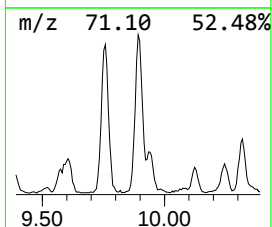
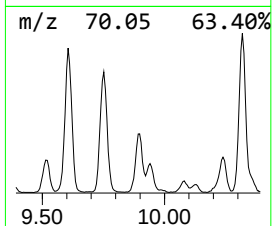
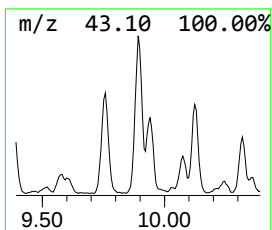
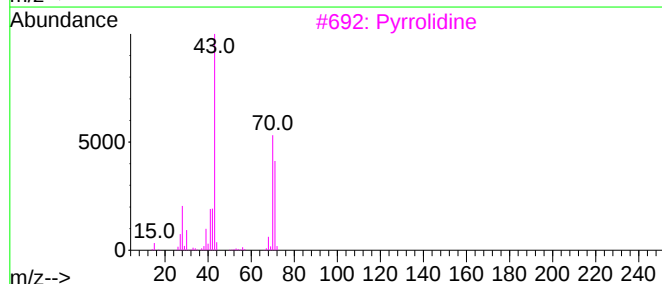
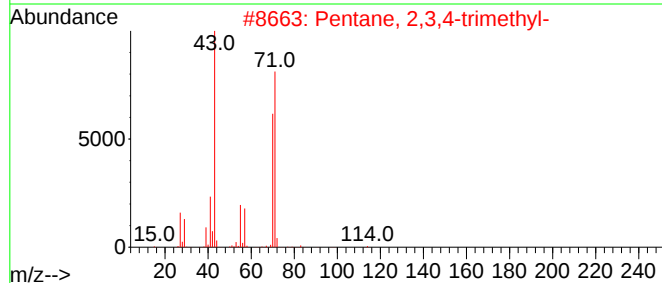
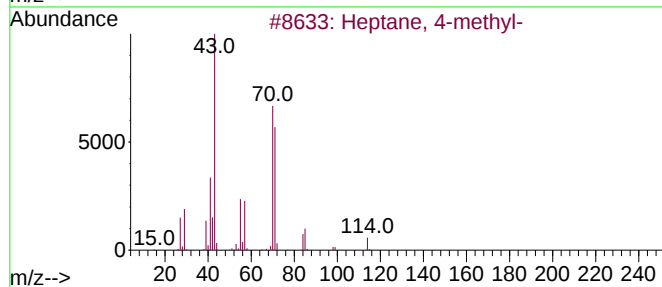
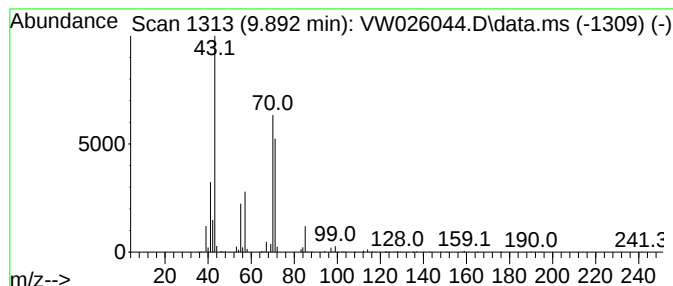
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	4.91 ug/L	379309	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
2			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
3			Pyrrolidine	71	C4H9N	000123-75-1	64
4			Isopentyloxyethyl acetate	174	C9H18O3	204652-53-9	64
5			3,4-Diethyl hexane	142	C10H22	019398-77-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

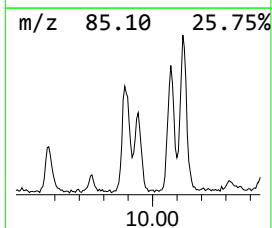
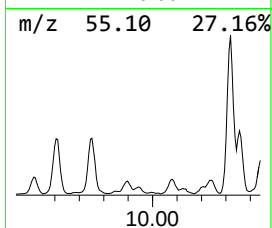
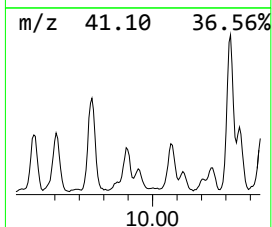
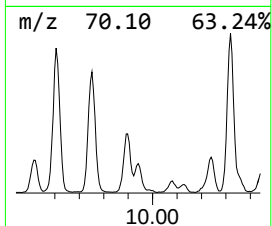
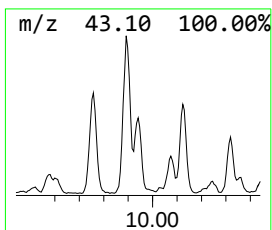
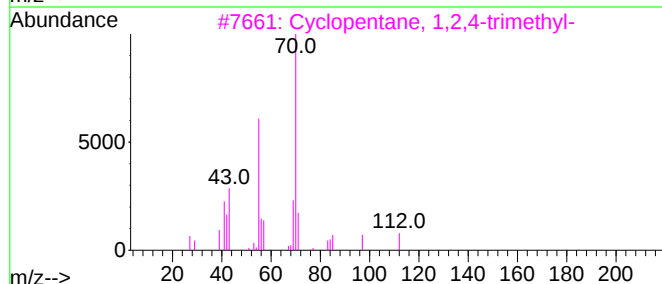
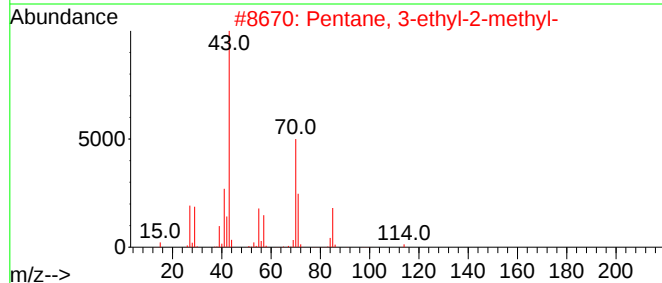
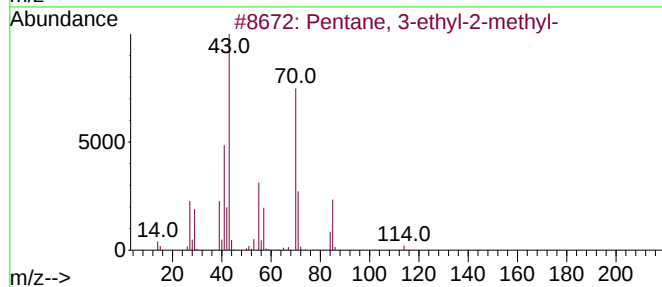
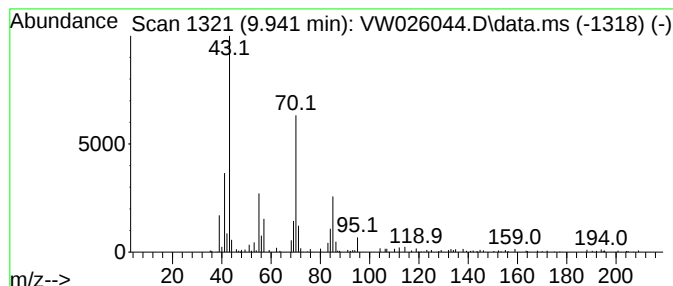
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.941	2.10 ug/L	162430	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	68
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	46
4			Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	40
5			Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

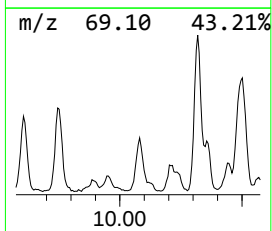
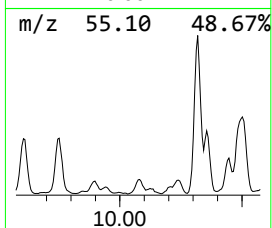
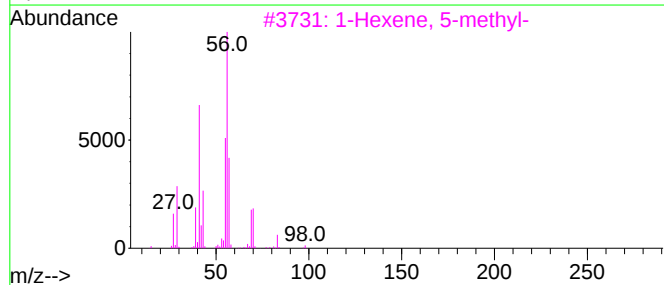
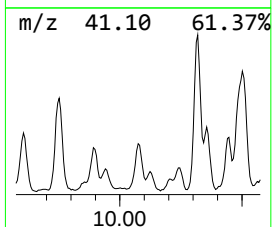
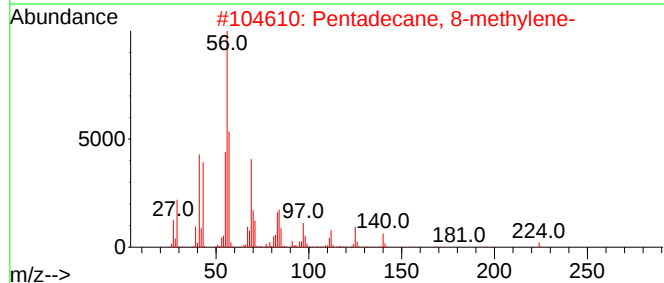
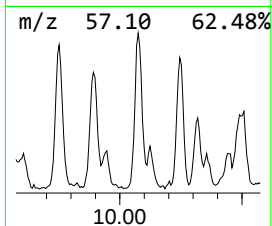
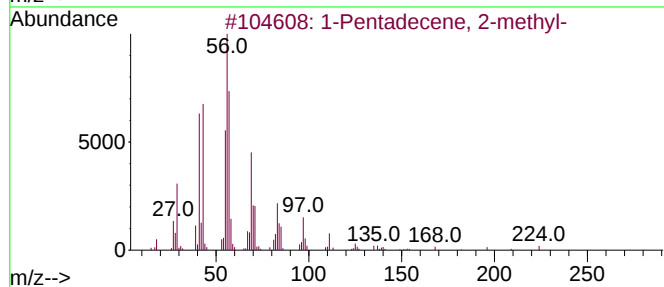
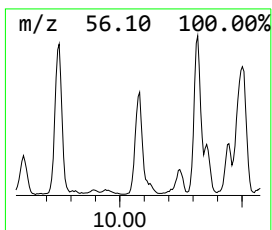
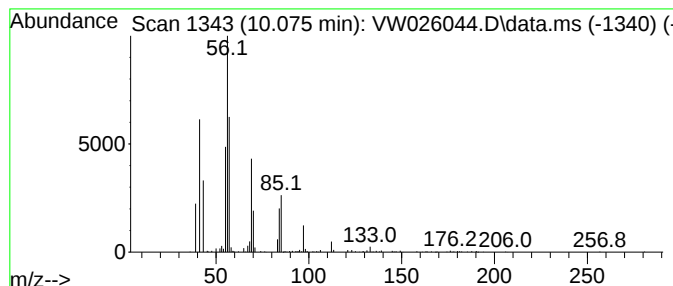
Instrument :
MSVOA_W
ClientSampleId :
EW986

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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.075	2.89 ug/L	222873	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecene, 2-methyl-	224	C16H32	029833-69-0	56
2	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	56
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	2-Undecene, 10-methyl-	168	C12H24	1000061-83-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

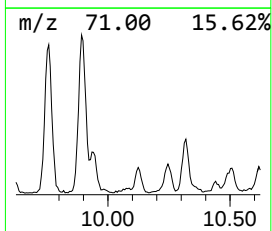
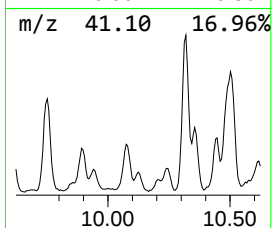
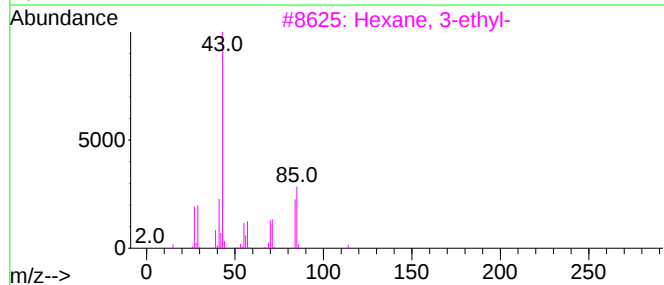
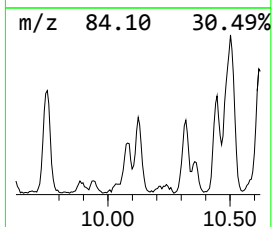
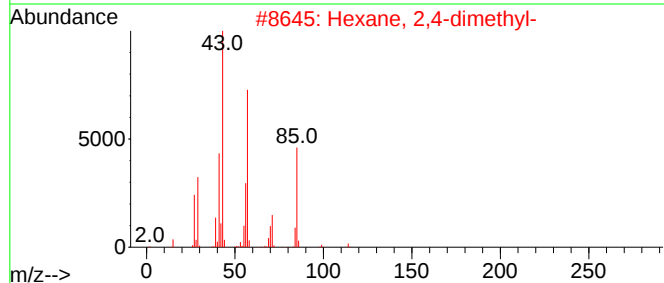
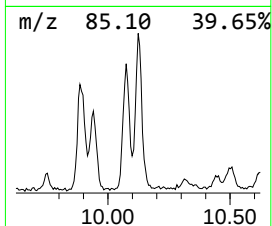
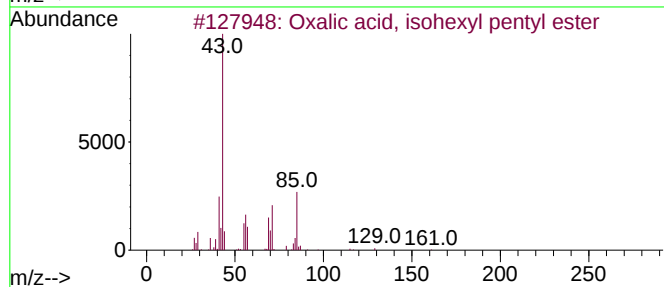
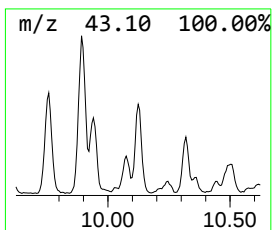
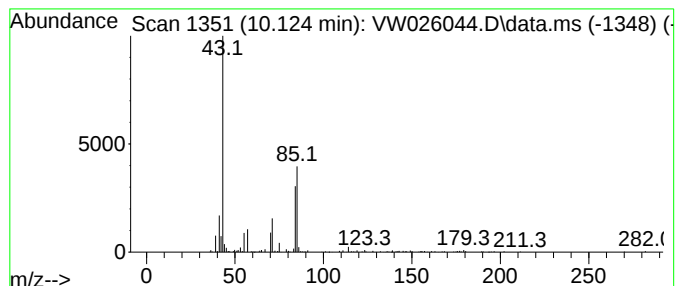
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Quant Title : SFAM01.0

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

Peak Number 16 Oxalic acid, isohexyl penty... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.124	2.13 ug/L	164545	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3			Hexane, 3-ethyl-	114	C8H18	000619-99-8	52
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

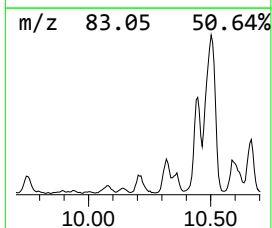
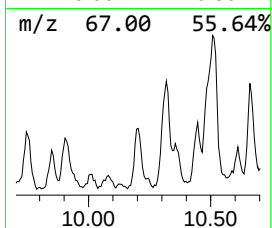
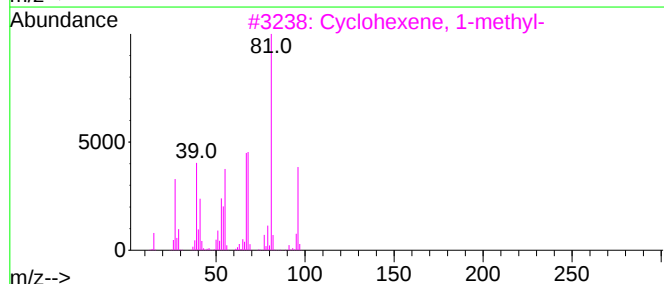
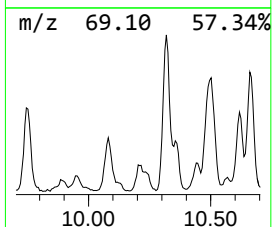
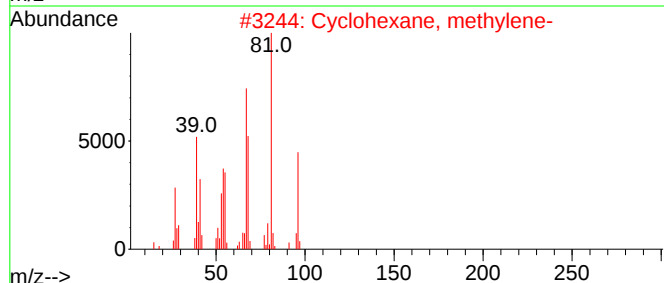
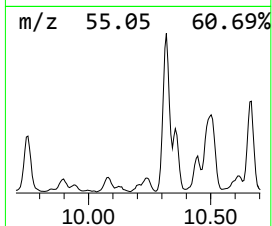
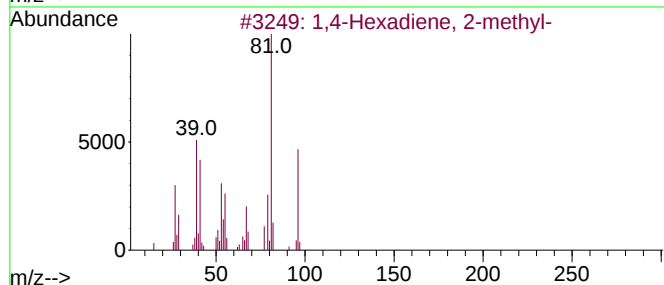
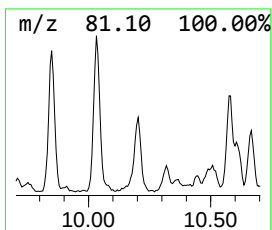
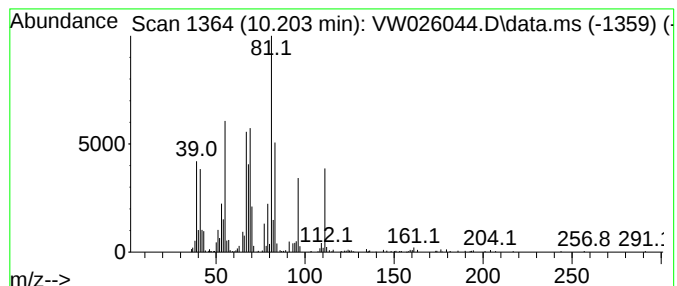
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Quant Title : SFAM01.0

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

Peak Number 17 1,4-Hexadiene, 2-methyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.203	2.21 ug/L	170262	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	86
2		Cyclohexane, methylene-	96	C7H12	001192-37-6	64
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	62
4		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	55
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

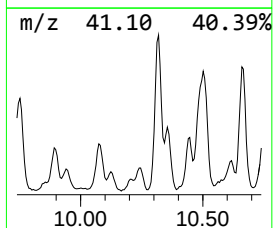
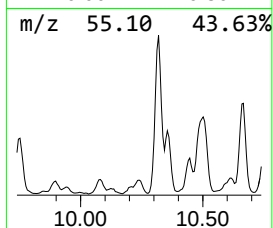
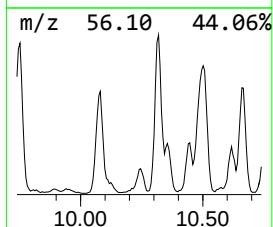
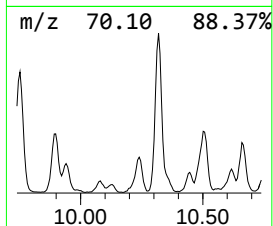
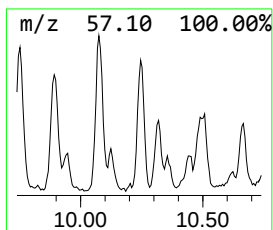
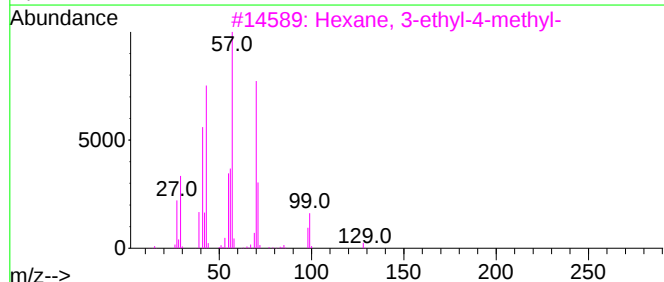
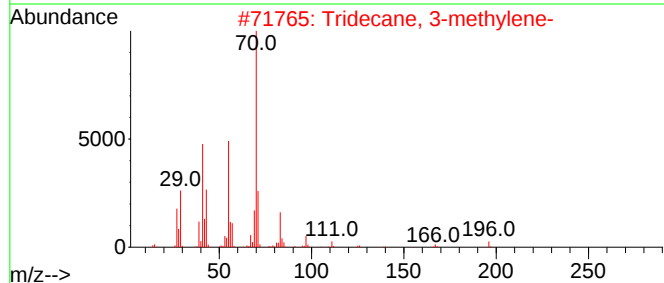
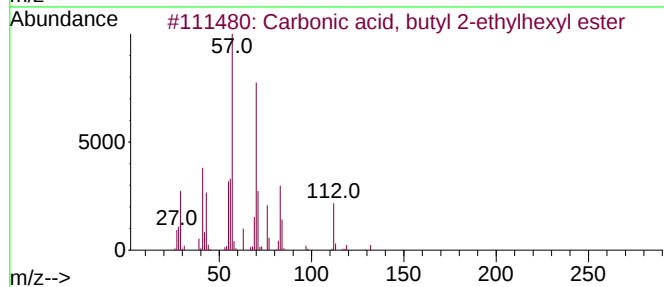
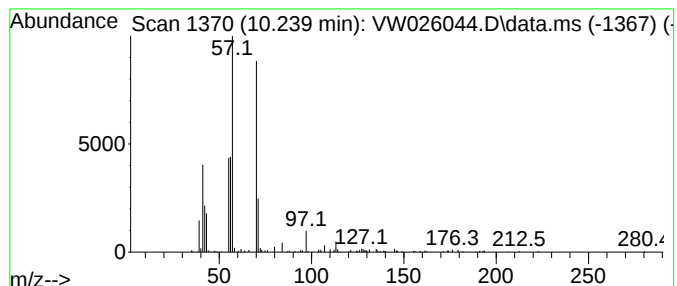
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Quant Title : SFAM01.0

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

Peak Number 18 unknown-01 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.239	2.33 ug/L	182951	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, butyl 2-ethylhexy...	230	C13H26O3	1000357-84-4	45
2			Tridecane, 3-methylene-	196	C14H28	019780-34-8	42
3			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	42
4			2-Bromopropionic acid, 2-ethylhe...	264	C11H21BrO2	130841-38-2	40
5			4-(2-tert-Butylhydrazin-1-yl)-1-...	185	C10H23N3	1000434-82-0	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

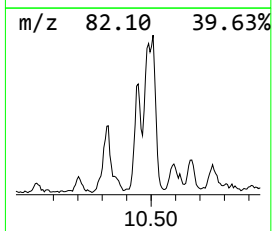
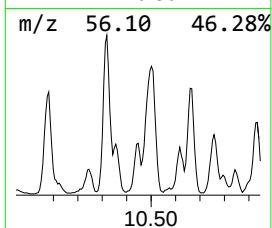
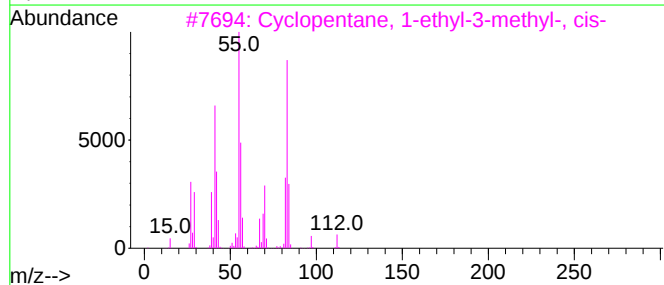
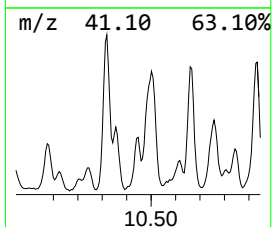
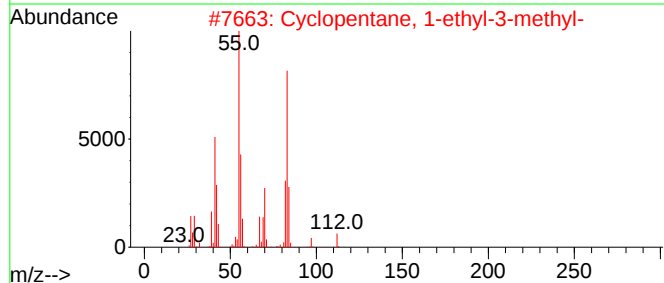
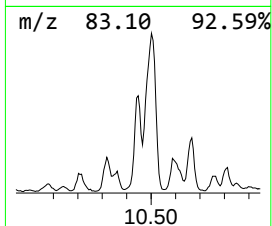
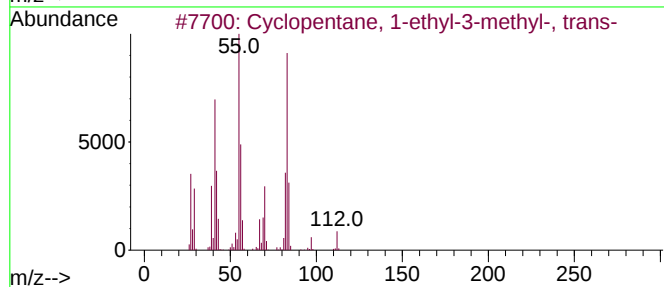
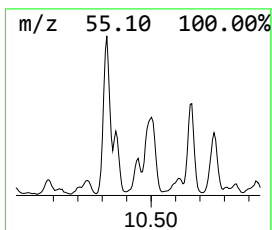
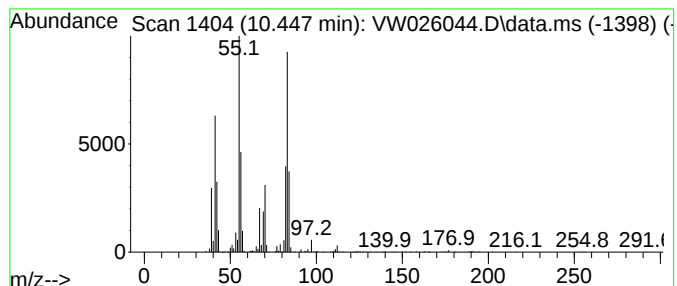
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.447 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.447	4.43 ug/L	347237	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	94
2			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	90
3			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	90
4			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50
5			1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

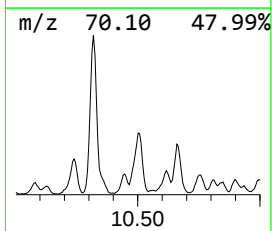
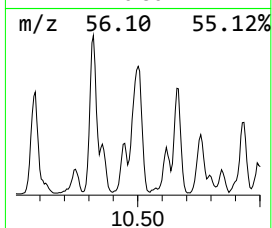
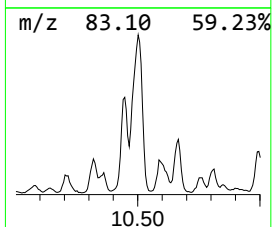
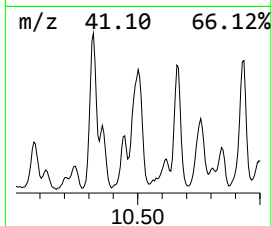
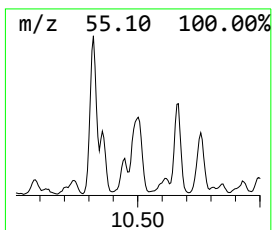
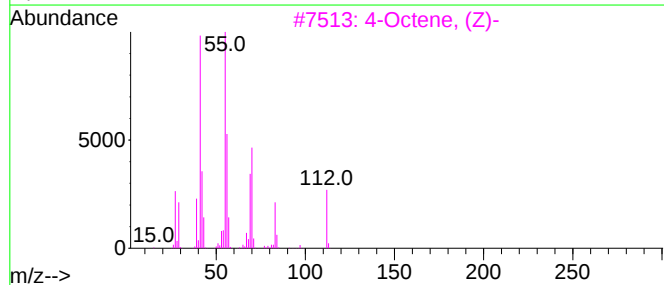
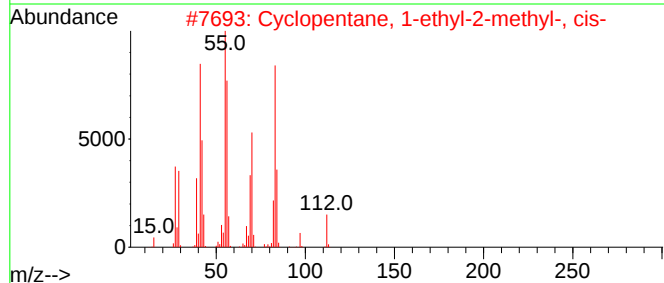
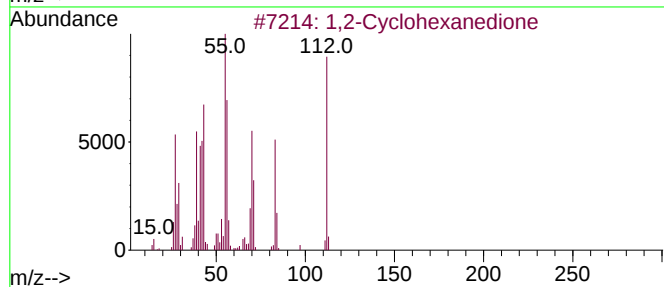
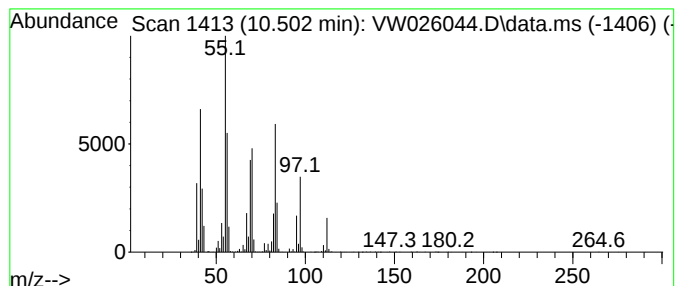
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Quant Title : SFAM01.0

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

Peak Number 20 1,2-Cyclohexanedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	17.87 ug/L	1401930	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	81
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
3			4-Octene, (Z)-	112	C8H16	007642-15-1	70
4			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	70
5			Cyclooctane	112	C8H16	000292-64-8	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

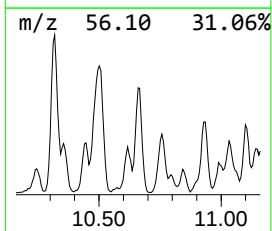
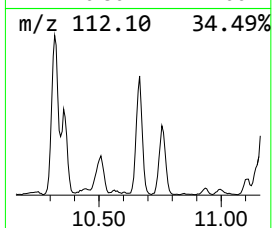
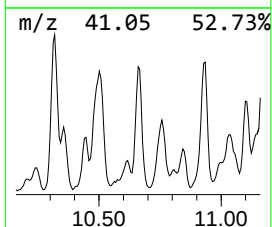
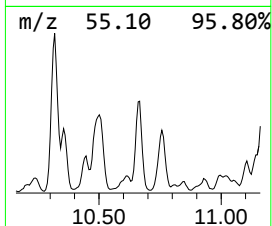
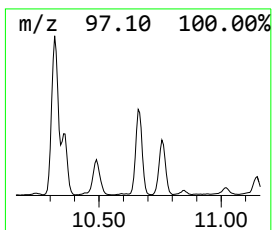
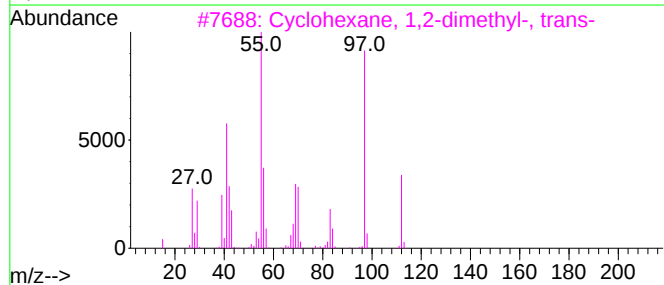
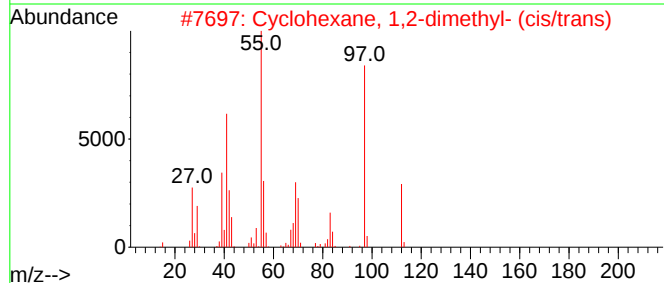
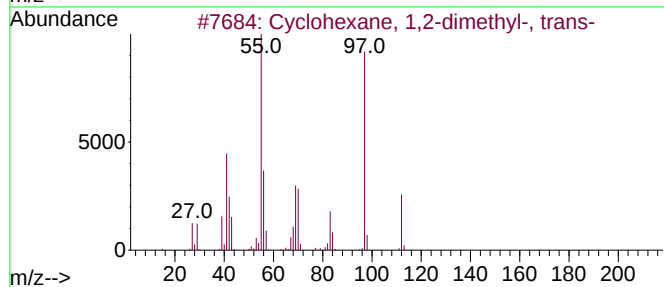
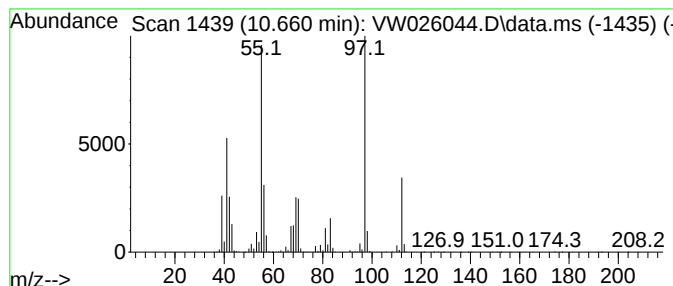
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic10.660 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.660	12.32 ug/L	966478	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

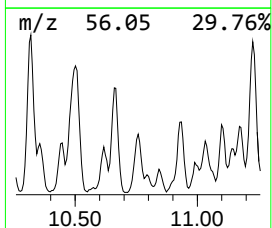
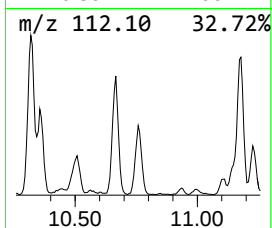
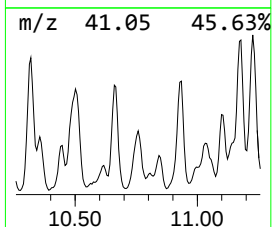
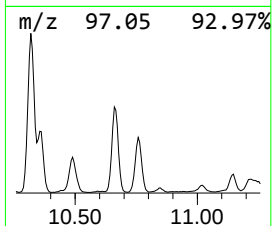
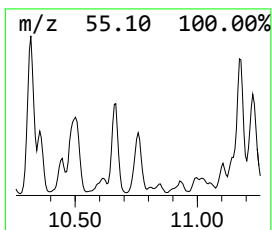
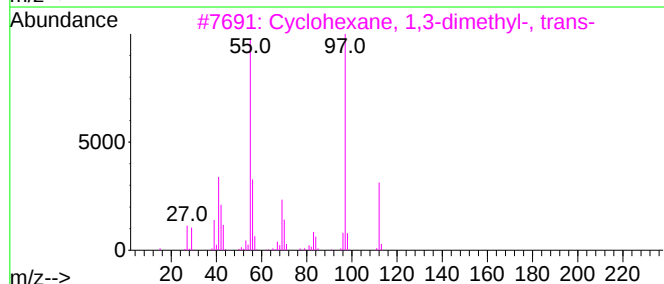
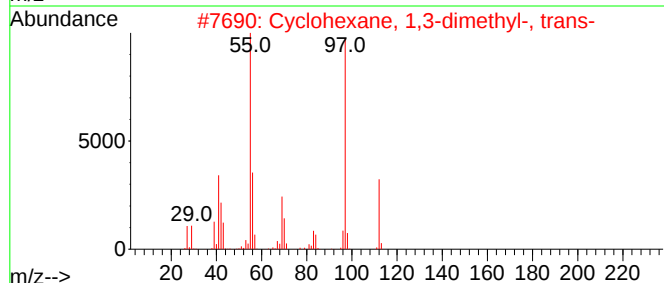
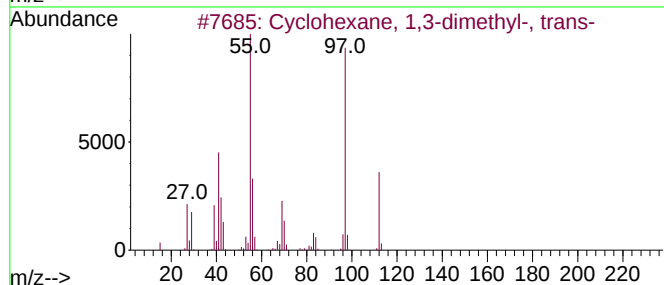
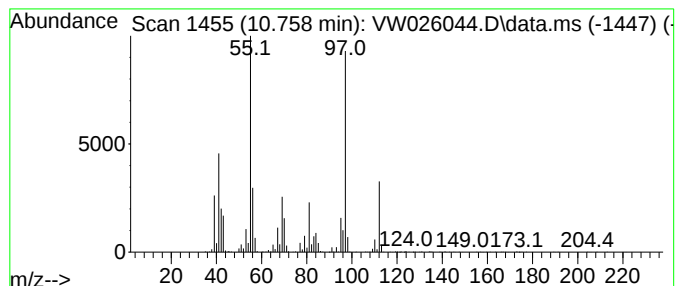
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic10.758 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	11.44 ug/L	897805	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

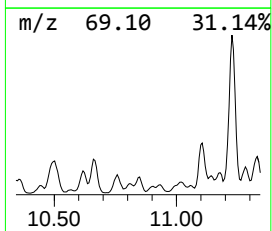
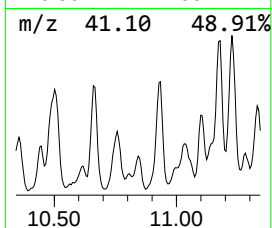
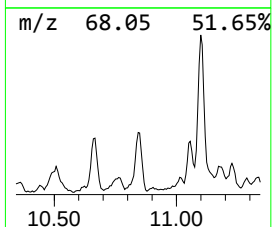
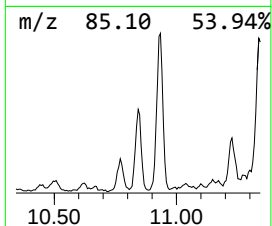
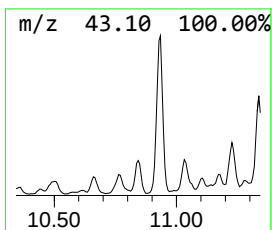
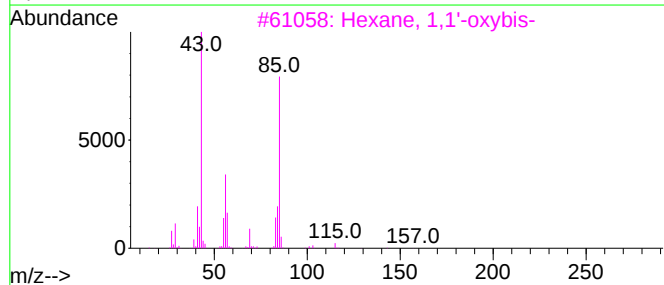
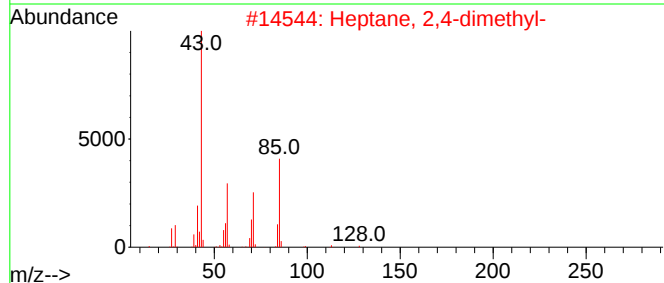
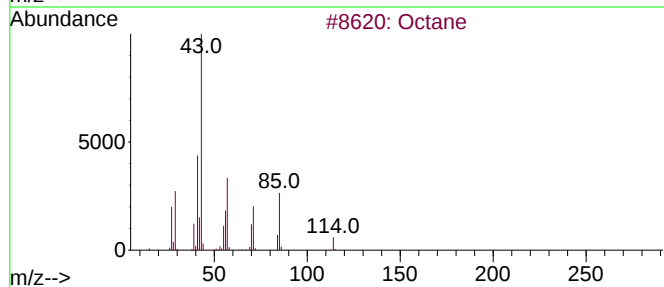
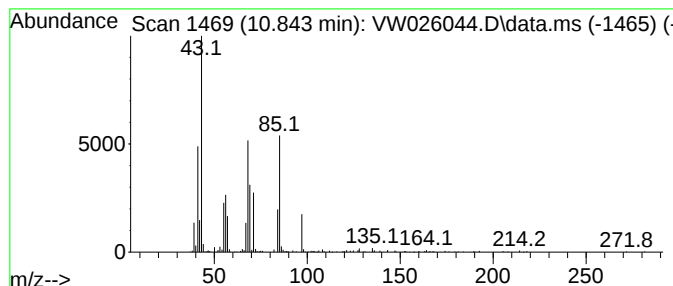
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.843	3.66 ug/L	287108	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane	114	C8H18	000111-65-9	43
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
3		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	38
4		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	38
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

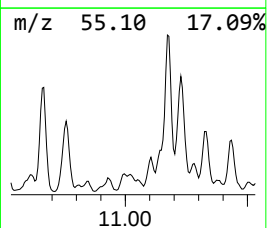
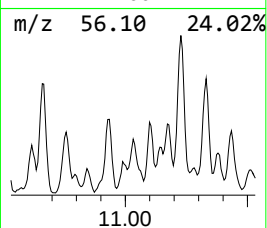
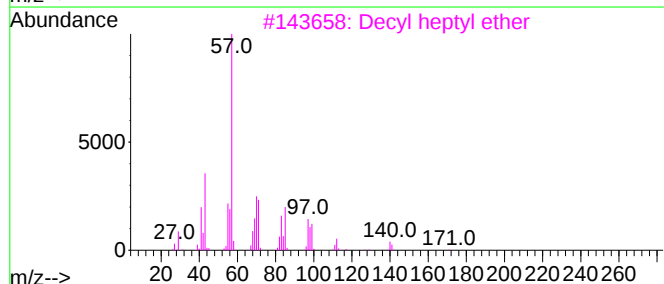
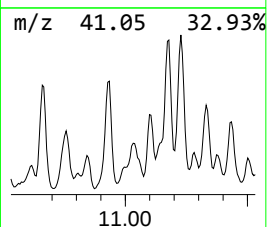
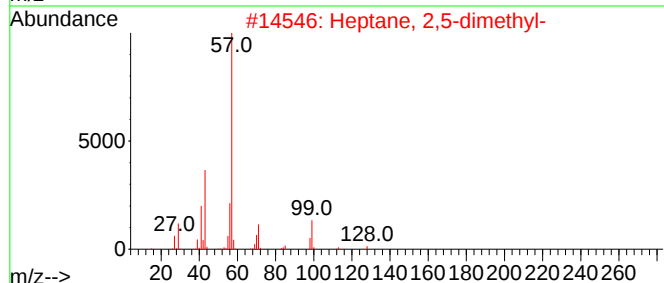
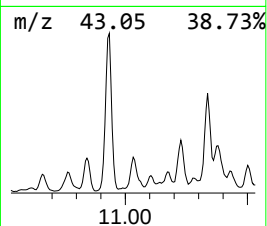
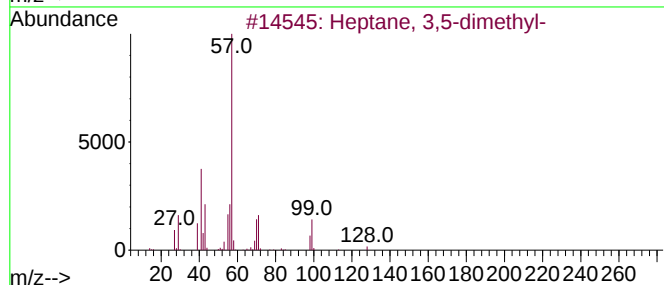
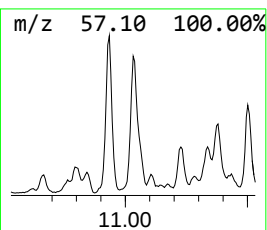
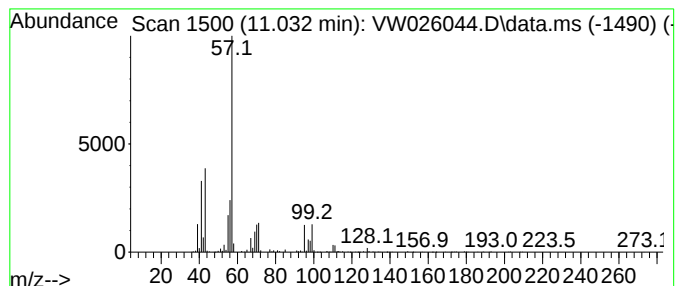
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	10.25 ug/L	803743	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3			Decyl heptyl ether	256	C17H36O	1000406-39-1	59
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

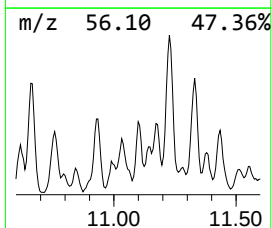
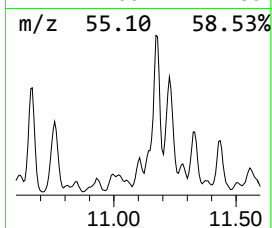
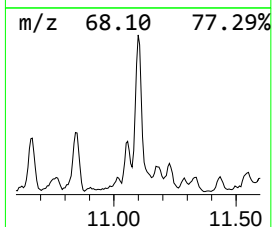
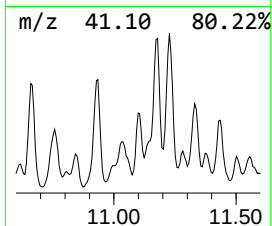
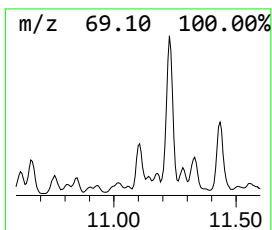
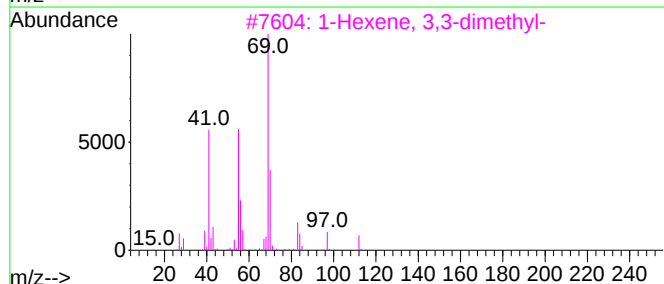
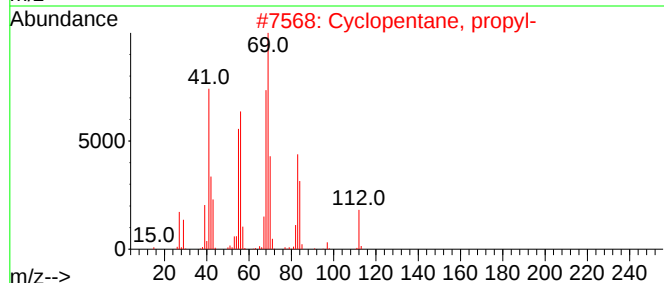
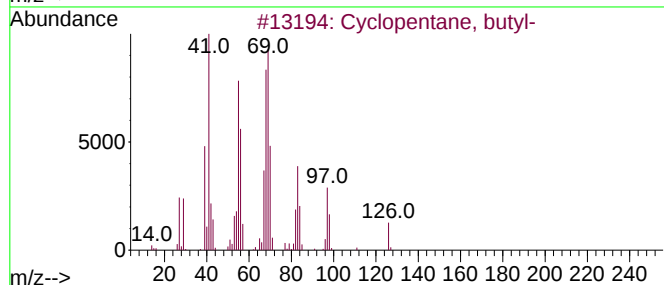
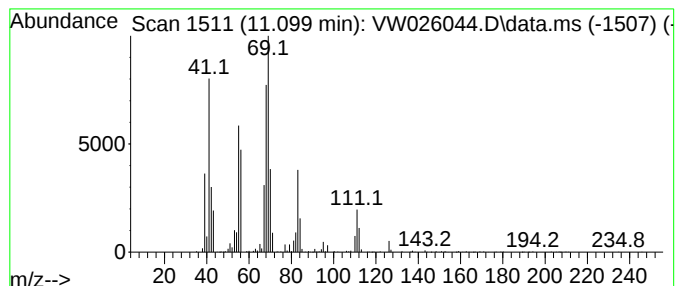
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.099 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.099	6.06 ug/L	475235	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, butyl-	126	C9H18	002040-95-1	80
2		Cyclopentane, propyl-	112	C8H16	002040-96-2	64
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
4		4-Heptenal, (E)-	112	C7H12O	000929-22-6	45
5		Cyclopentane, propyl-	112	C8H16	002040-96-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

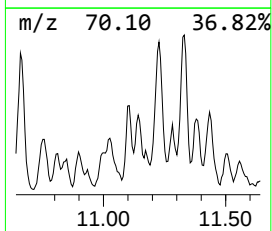
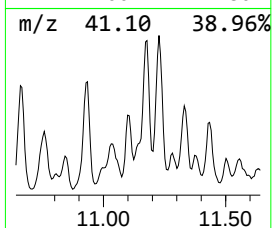
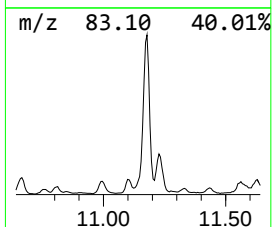
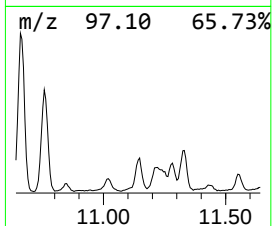
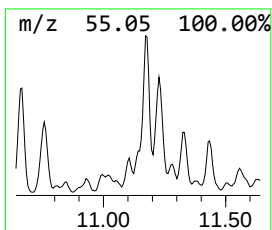
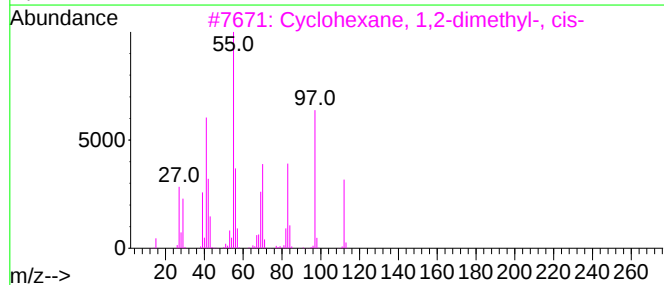
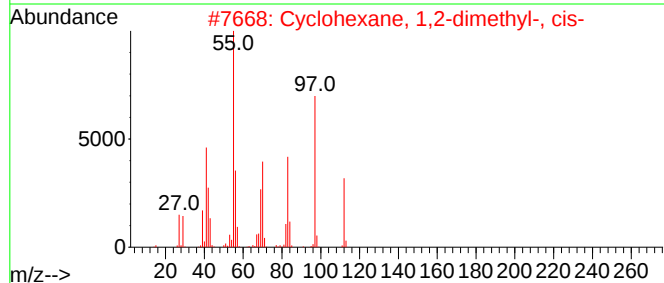
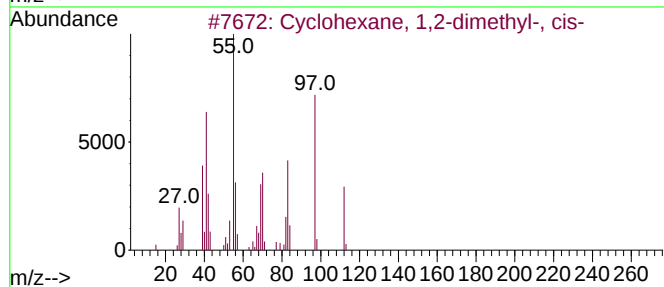
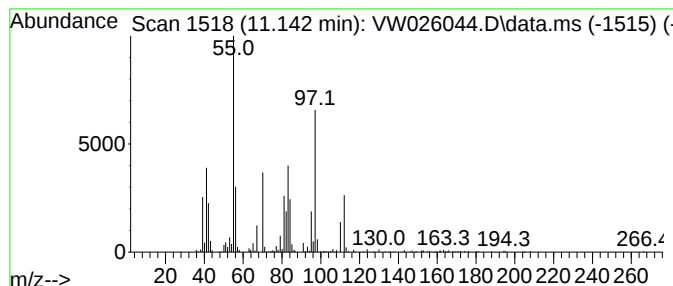
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.142 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.142	2.74 ug/L	214775	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
2			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
3			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

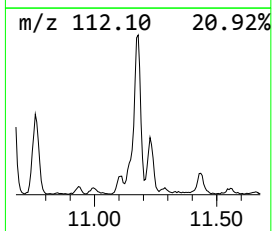
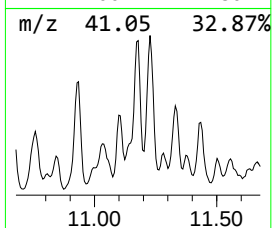
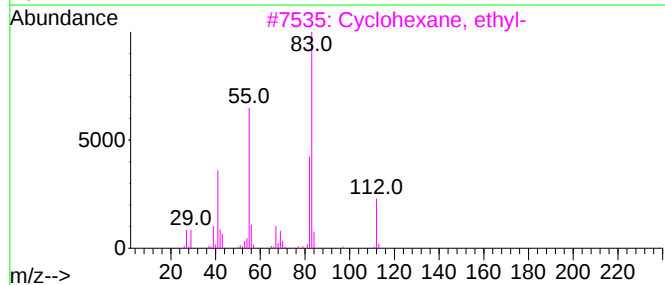
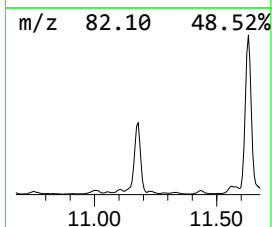
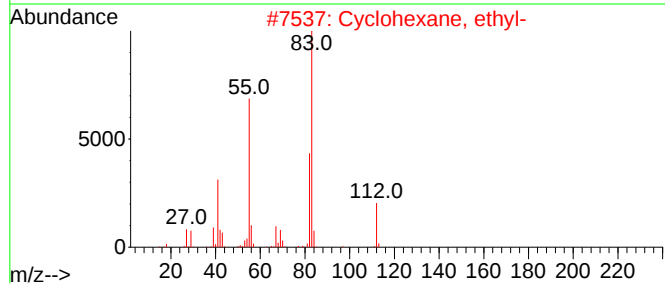
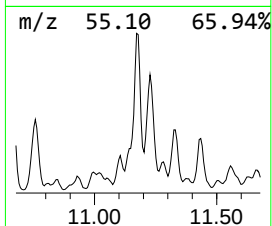
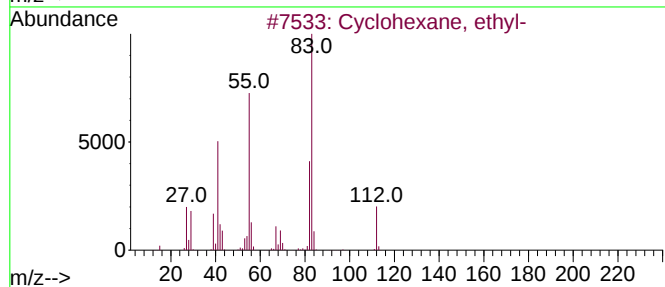
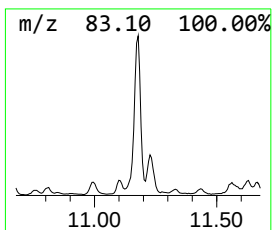
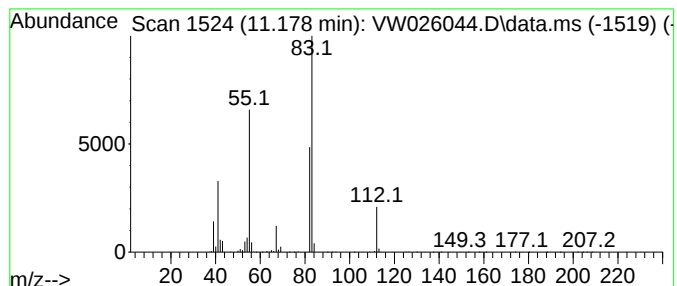
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic11.178 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	14.10 ug/L	1105770	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

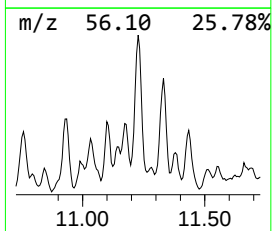
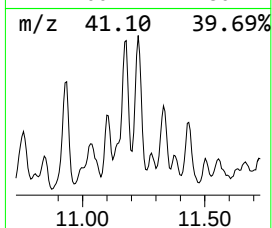
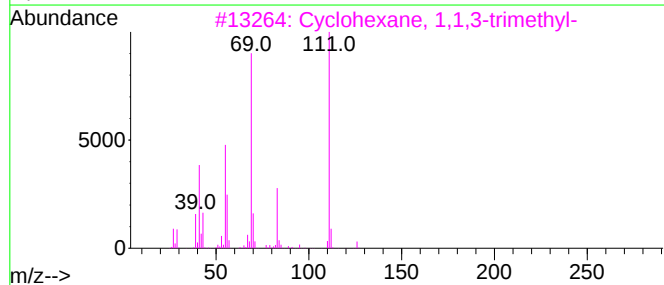
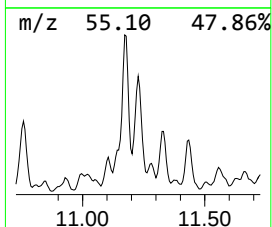
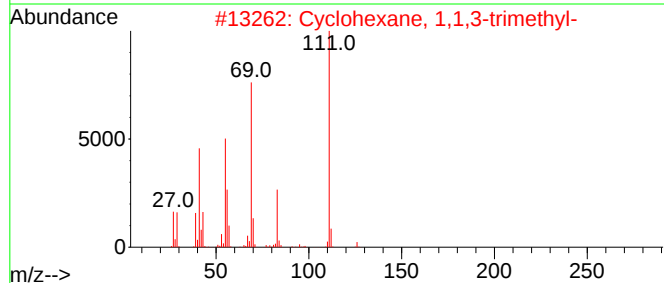
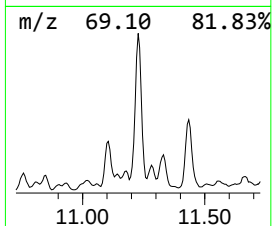
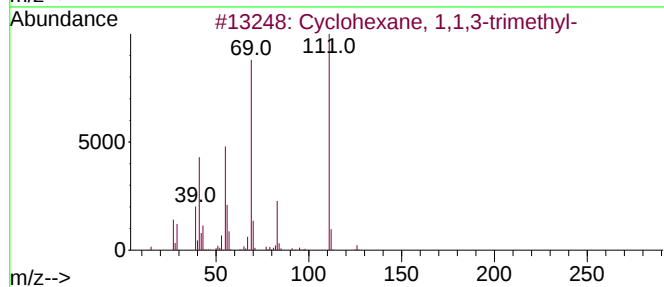
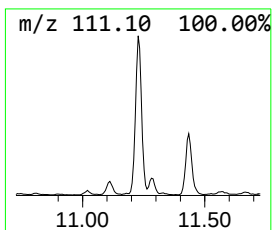
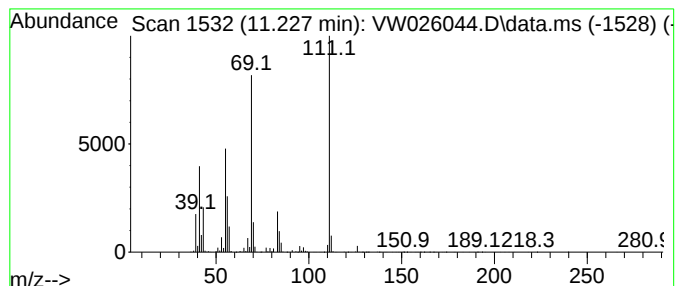
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.227 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.227	17.50 ug/L	1372510	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	78
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

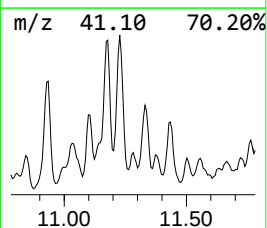
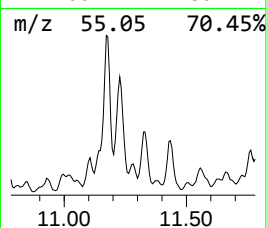
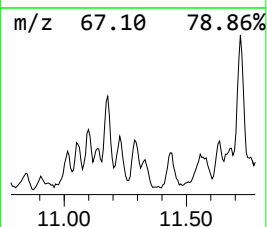
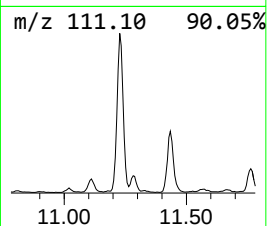
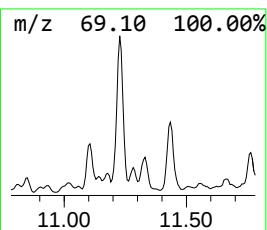
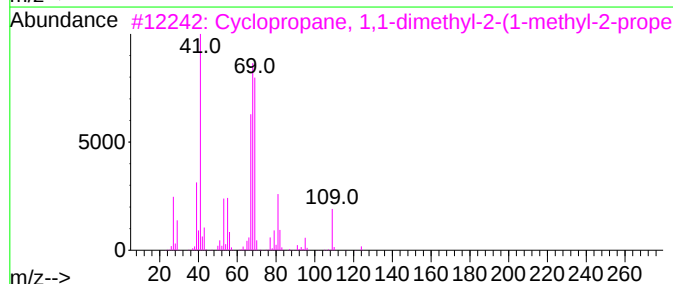
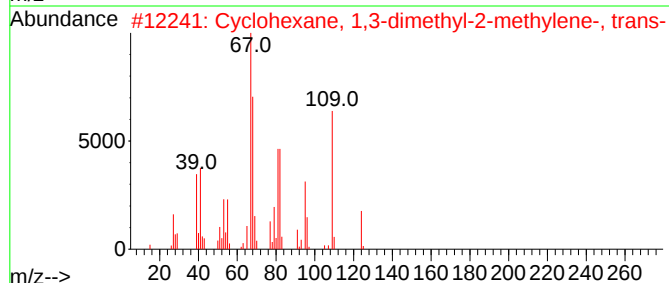
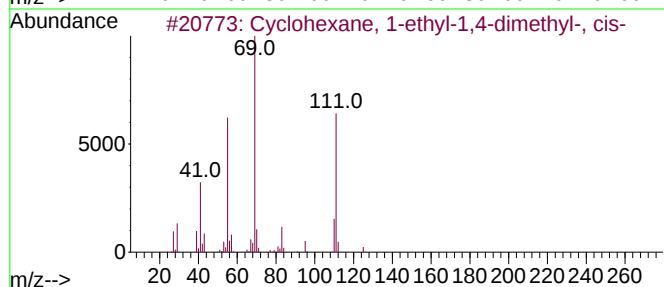
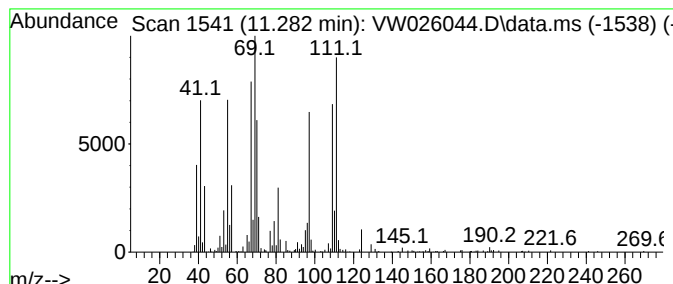
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic11.282 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	2.15 ug/L	168443	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	38
2			Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	35
3			Cyclopropane, 1,1-dimethyl-2-(1-...	124	C9H16	074779-84-3	35
4			Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	30
5			Oxiranecarboxaldehyde, 3-methyl-...	168	C10H16O2	016996-12-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

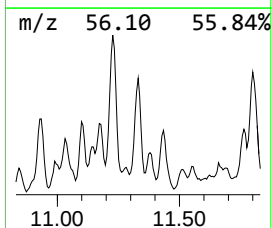
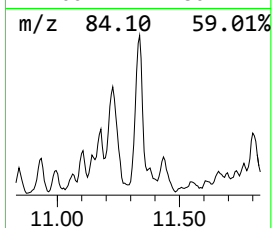
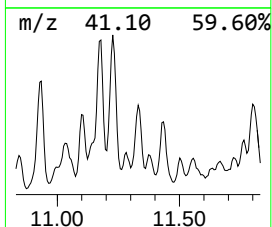
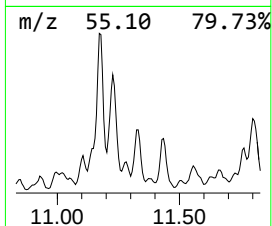
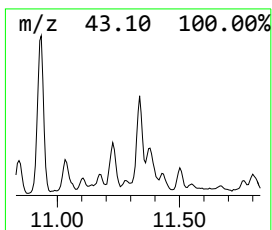
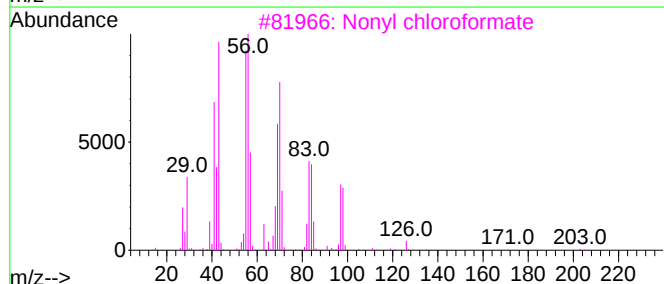
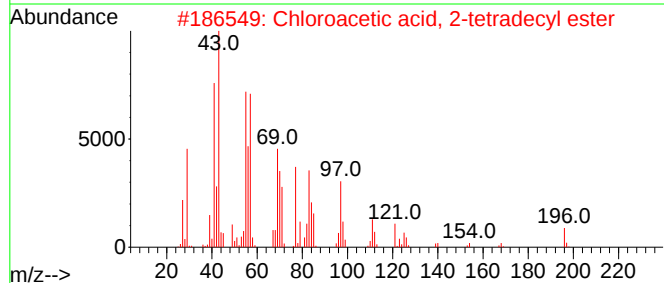
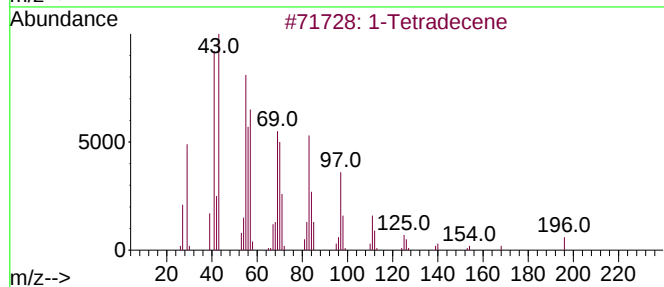
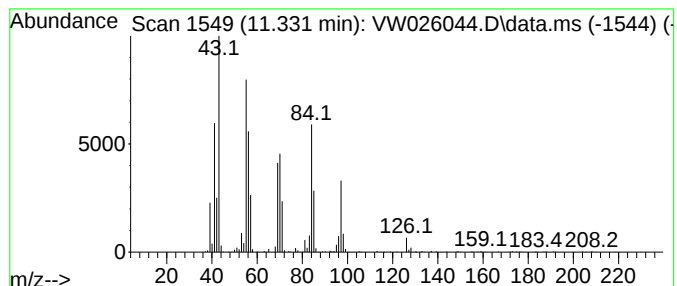
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MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.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 42

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.331	8.13 ug/L	637901	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Tetradecene		196	C14H28	001120-36-1	64
2	Chloroacetic acid, 2-tetradecyl ...		290	C16H31ClO2	1000280-08-4	50
3	Nonyl chloroformate		206	C10H19ClO2	057045-82-6	50
4	Cyclopentane, 1-methyl-2-propyl-		126	C9H18	003728-57-2	47
5	1-Nonene		126	C9H18	000124-11-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

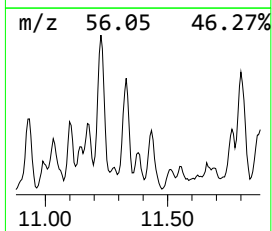
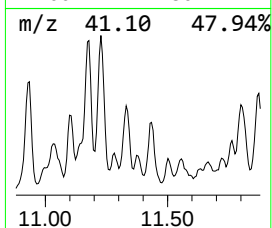
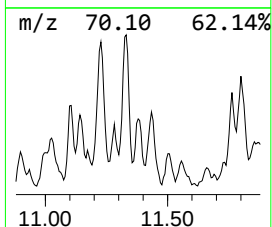
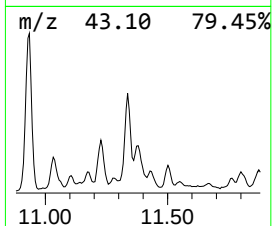
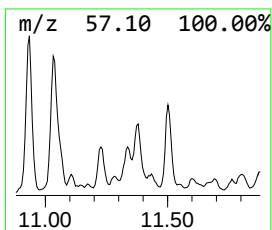
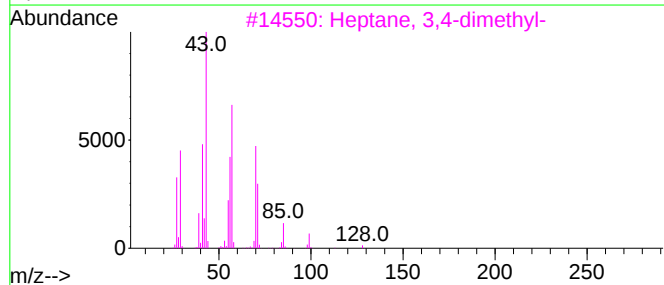
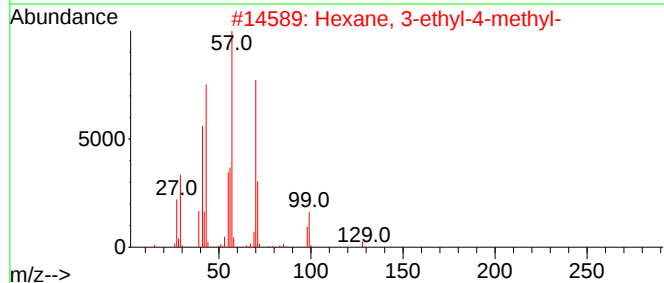
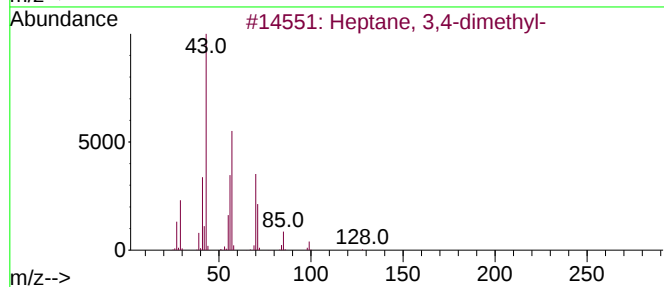
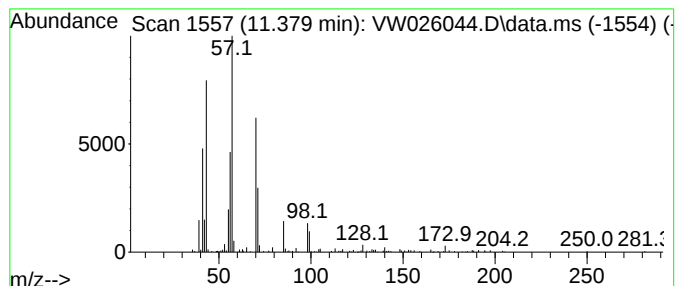
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MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.380	1.79 ug/L	140363	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	72
2	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	72
3	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	59
4	Octane, 4,5-dimethyl-		142	C10H22	015869-96-2	49
5	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

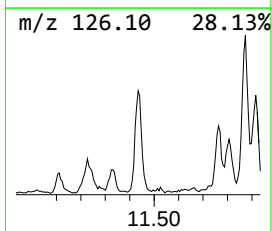
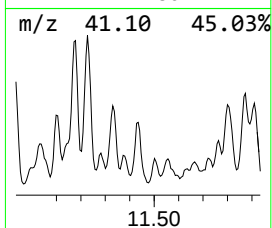
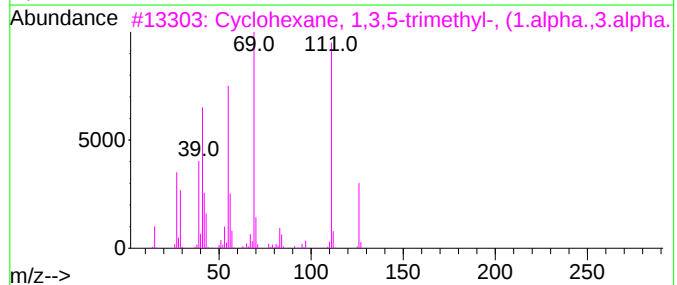
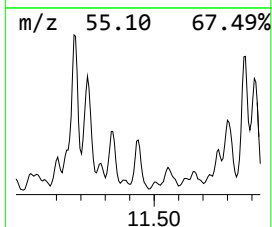
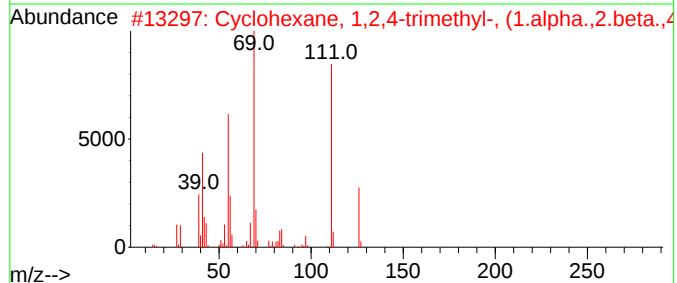
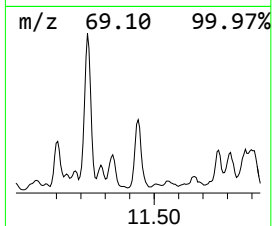
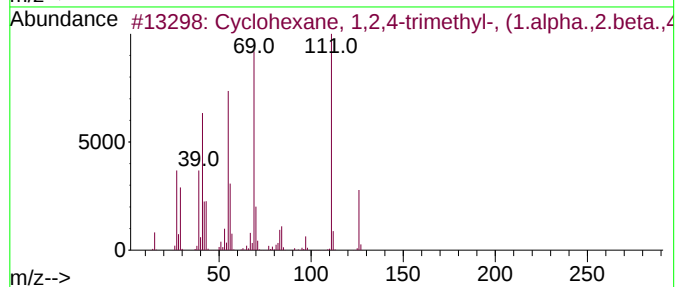
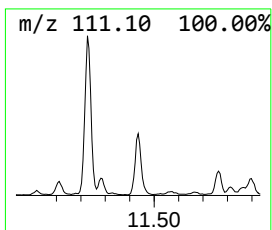
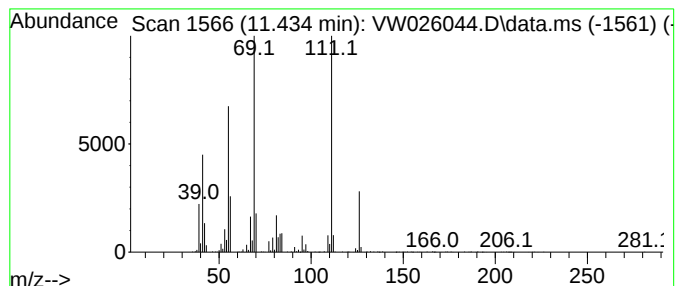
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic11.434 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	9.39 ug/L	736522	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

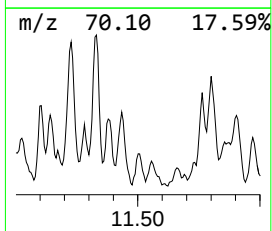
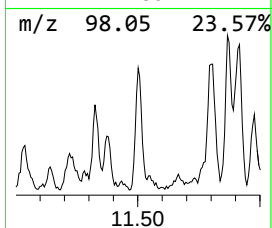
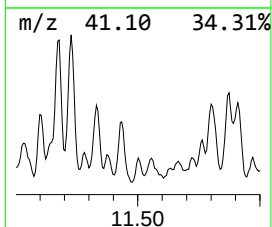
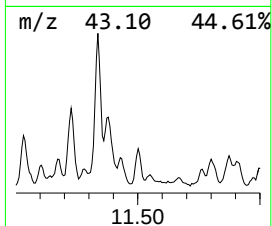
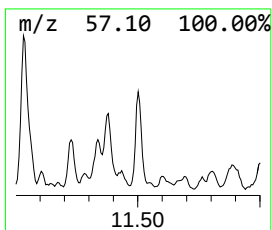
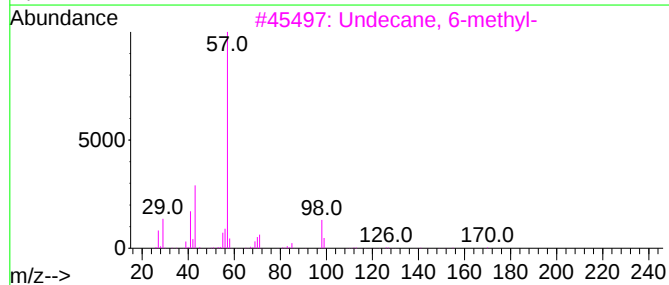
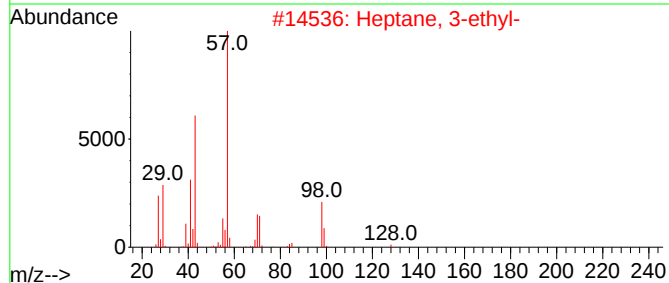
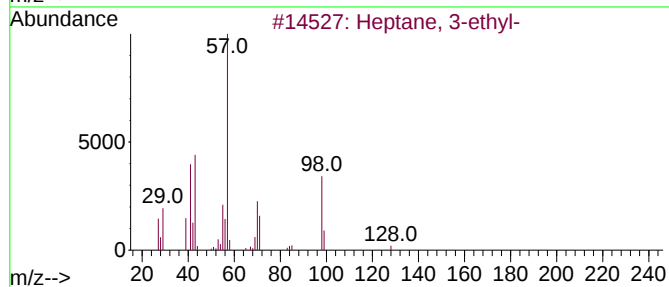
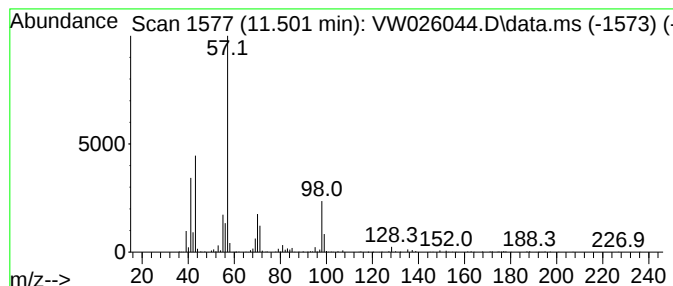
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.501	2.55 ug/L	199883	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-	128	C9H20	015869-80-4	81
2			Heptane, 3-ethyl-	128	C9H20	015869-80-4	74
3			Undecane, 6-methyl-	170	C12H26	017302-33-9	72
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72
5			Heptane, 4-propyl-	142	C10H22	003178-29-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

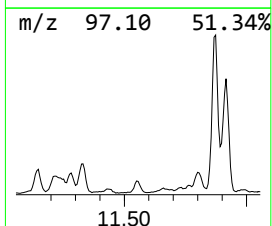
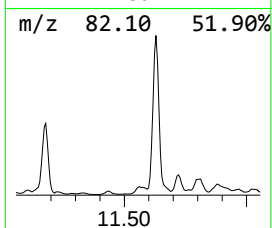
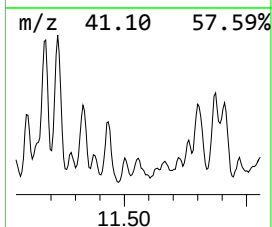
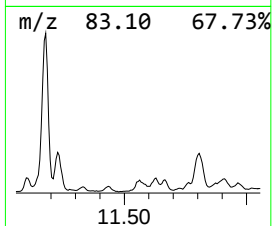
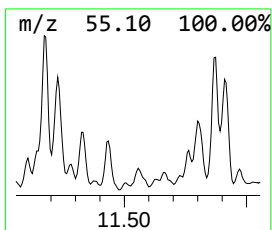
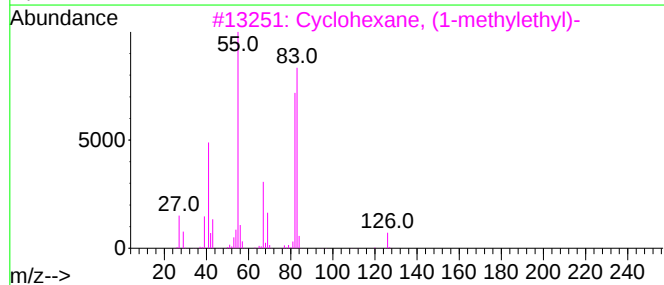
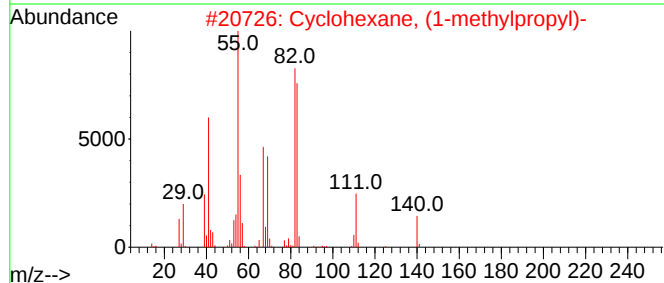
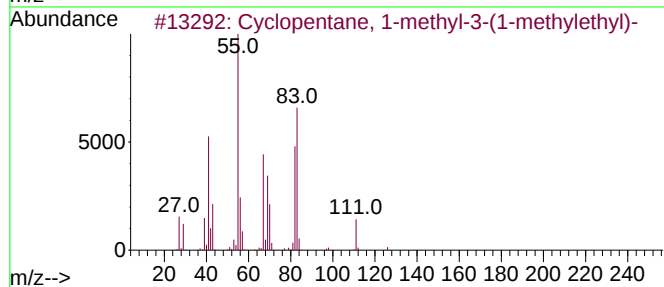
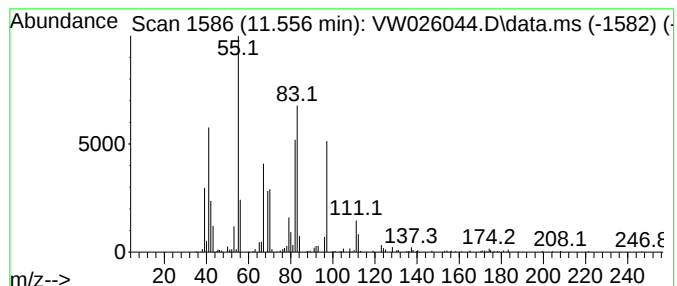
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic11.556 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.556	2.00 ug/L	156621	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	53
2			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	50
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
5			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

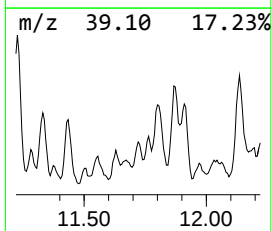
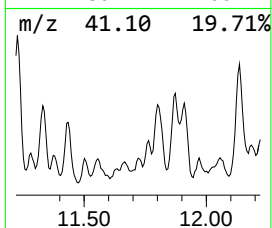
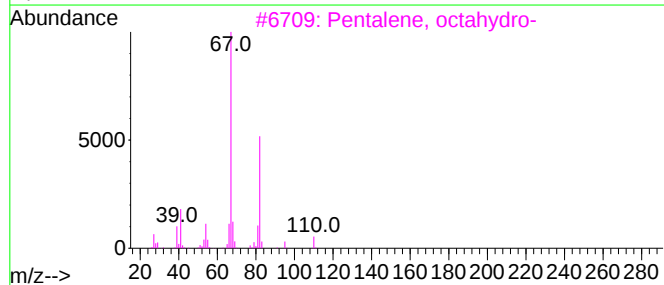
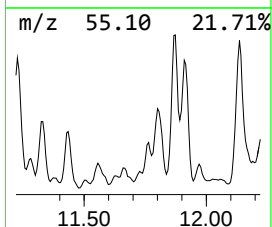
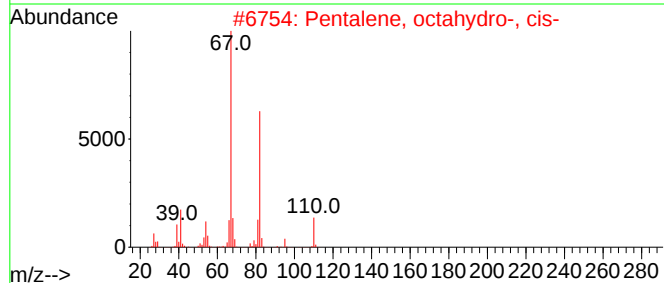
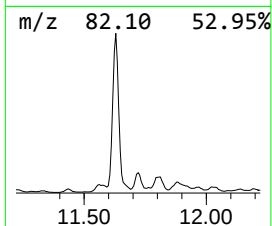
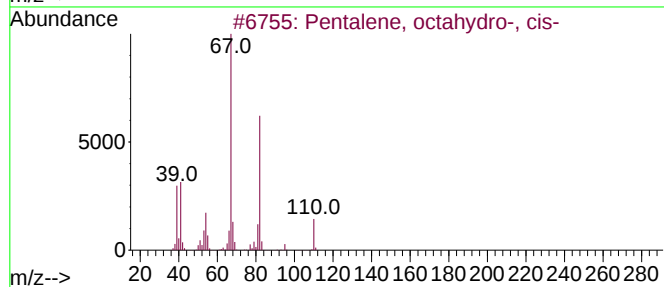
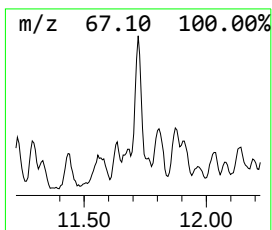
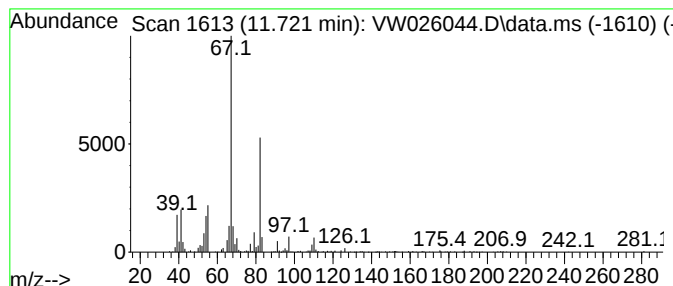
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Quant Title : SFAM01.0

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

Peak Number 35 Pentalene, octahydro-, cis- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.721	2.02 ug/L	158144	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	80
2			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
3			Pentalene, octahydro-	110	C8H14	000694-72-4	72
4			2,4-Hexadiene	82	C6H10	000592-46-1	64
5			1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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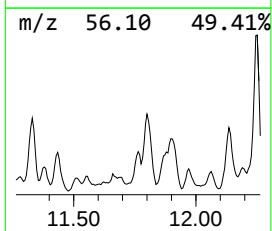
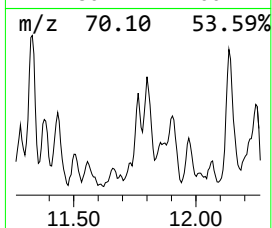
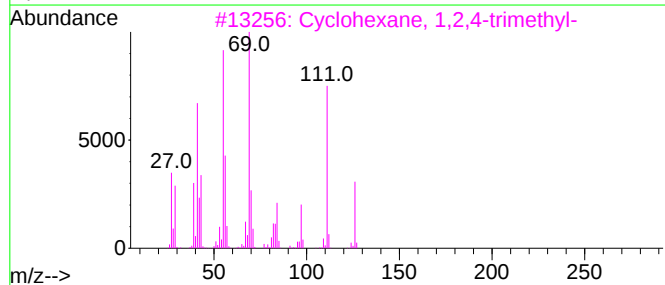
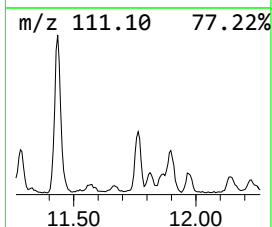
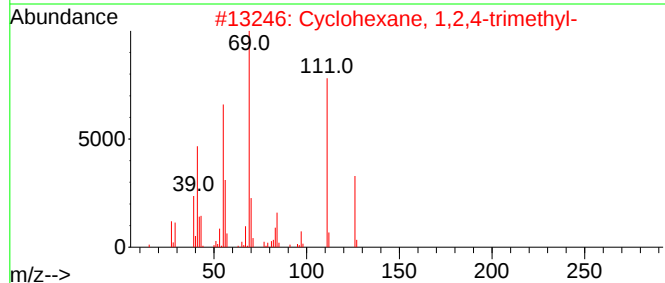
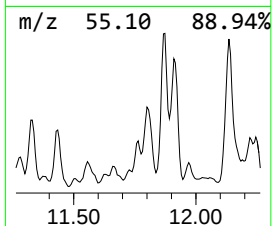
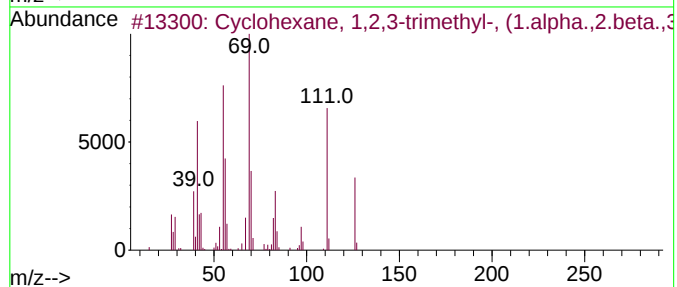
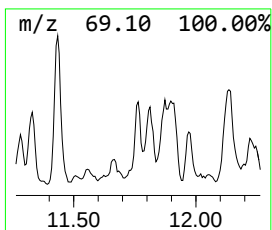
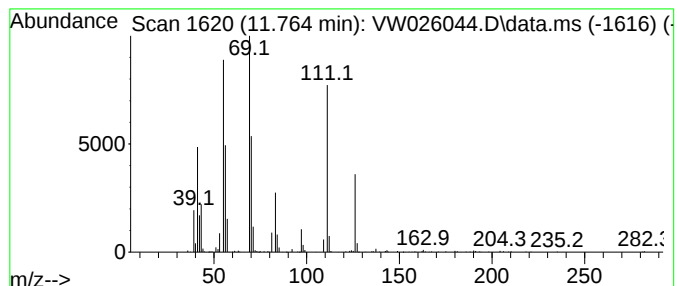
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic11.764 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.764	2.59 ug/L	203064	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
4			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	80
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EW986

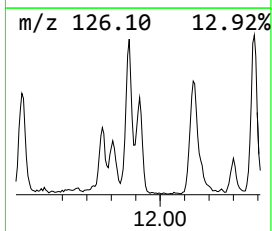
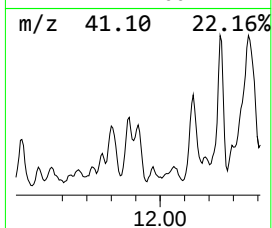
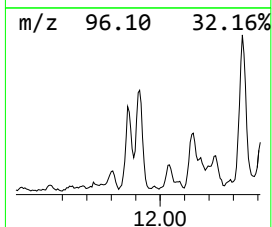
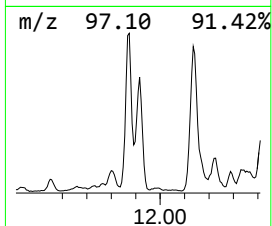
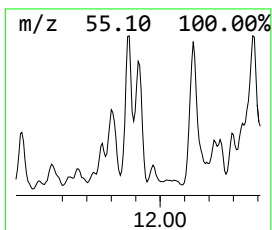
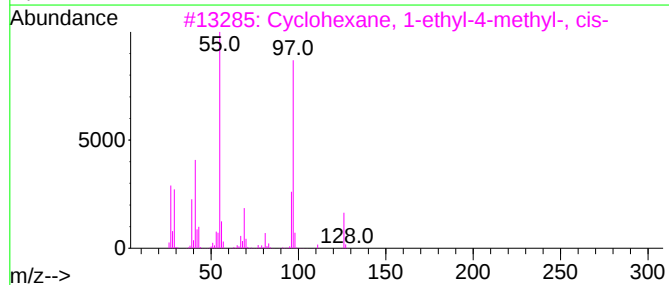
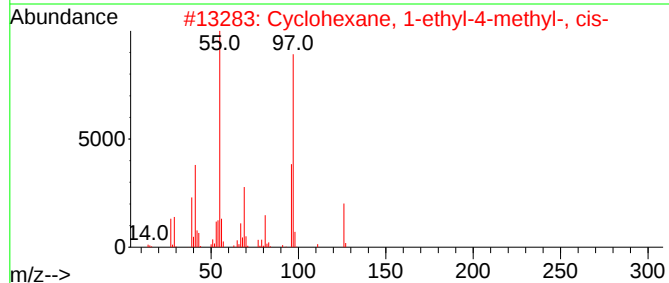
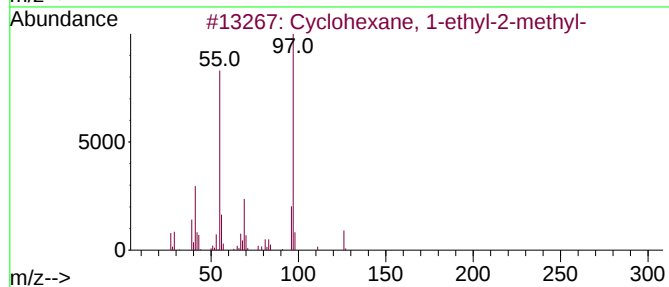
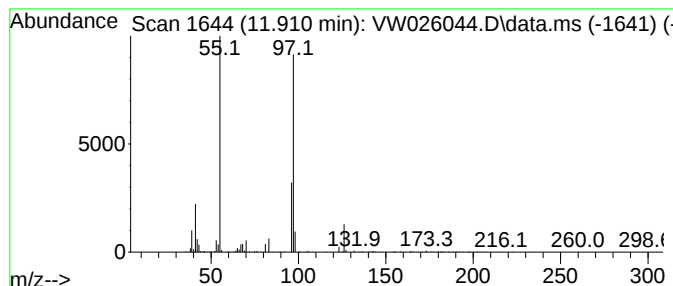
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Cyclic11.910 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	10.21 ug/L	801164	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
4			Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	72
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

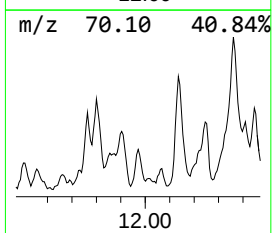
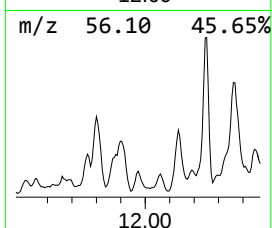
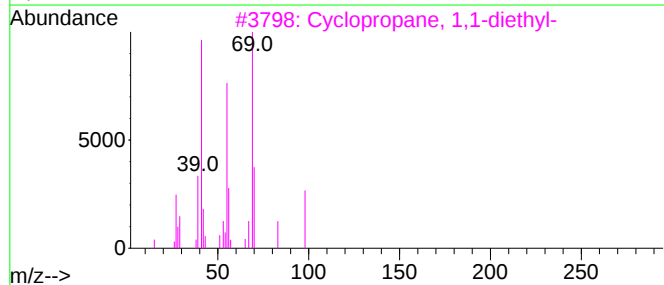
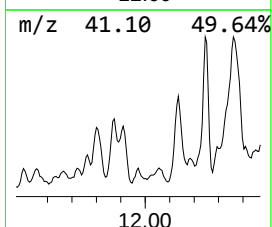
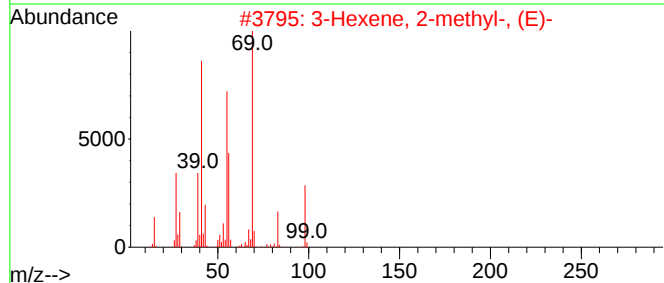
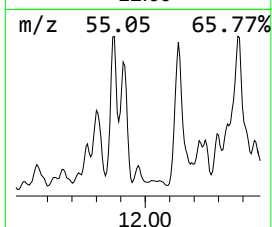
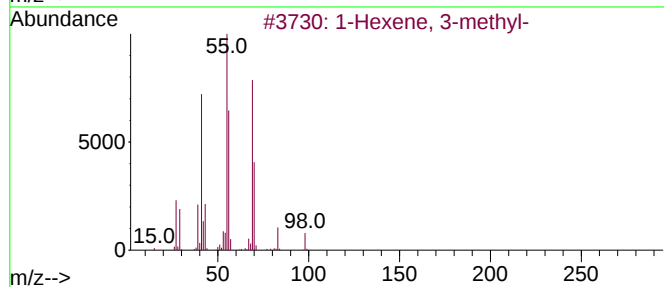
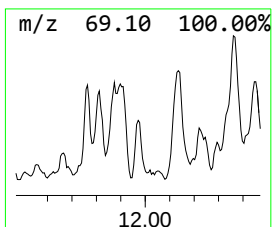
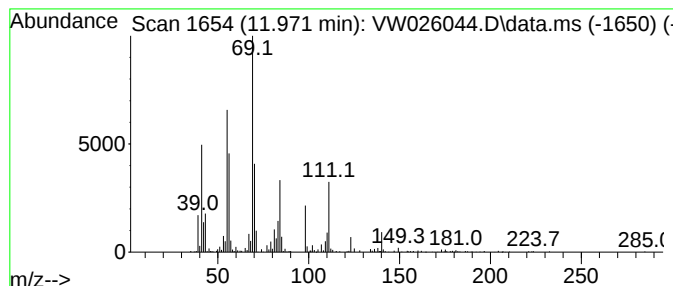
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.971	2.75 ug/L	215543	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	70
2		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
3		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	47
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
5		3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

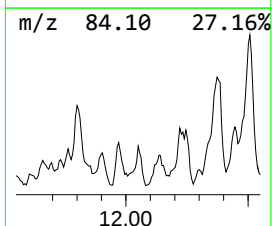
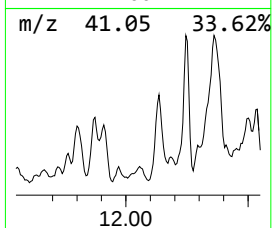
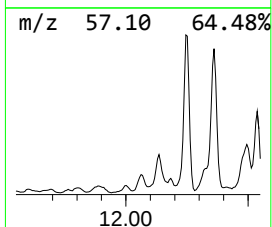
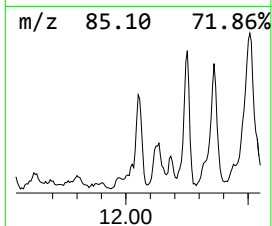
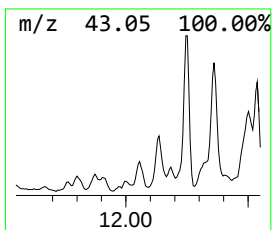
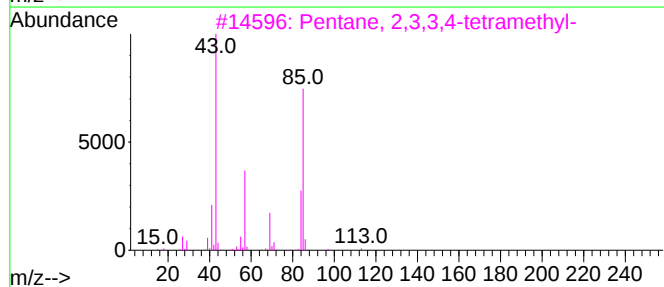
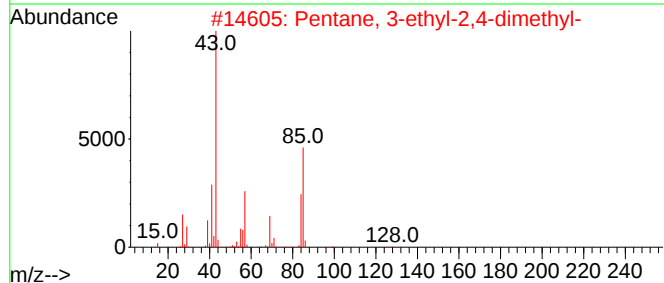
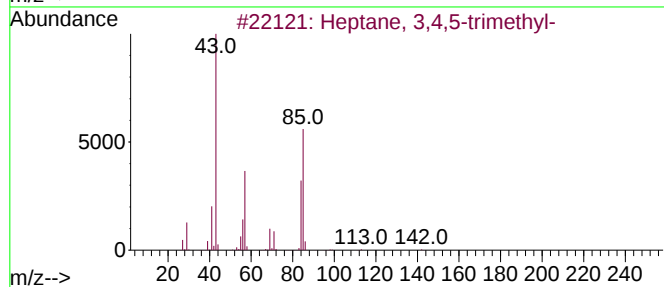
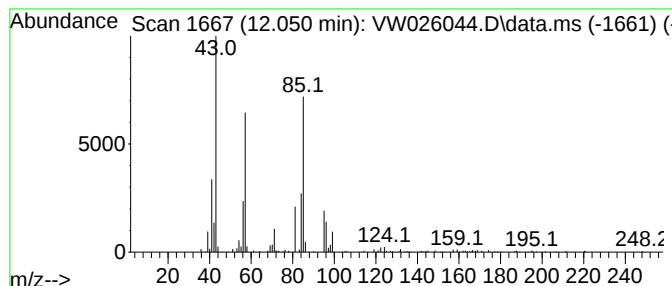
Instrument :
MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.050	4.32 ug/L	338576	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3,4,5-trimethyl-		142	C10H22	020278-89-1	53
2	Pentane, 3-ethyl-2,4-dimethyl-		128	C9H20	001068-87-7	50
3	Pentane, 2,3,3,4-tetramethyl-		128	C9H20	016747-38-9	50
4	Undecane, 2,4-dimethyl-		184	C13H28	017312-80-0	50
5	tert-Butyldimethylsilyl nitrile		141	C7H15NSi	056522-24-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

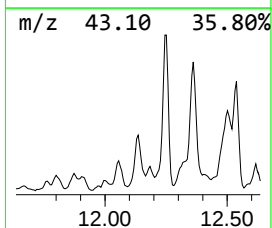
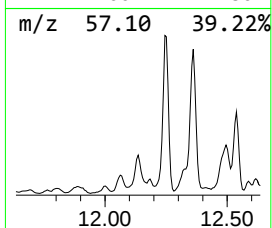
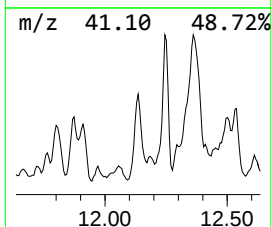
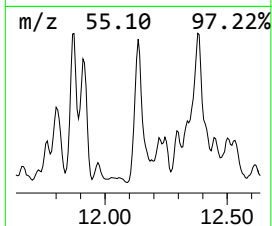
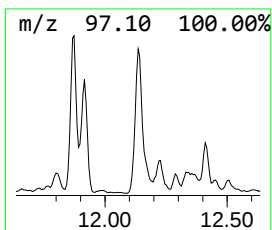
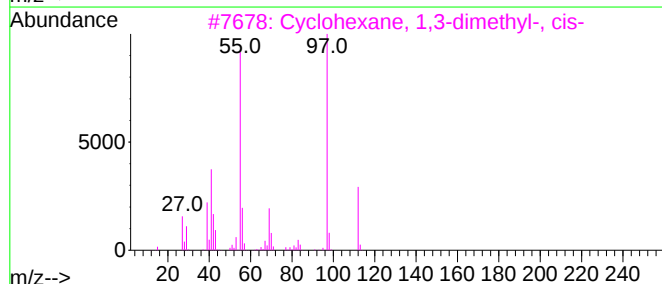
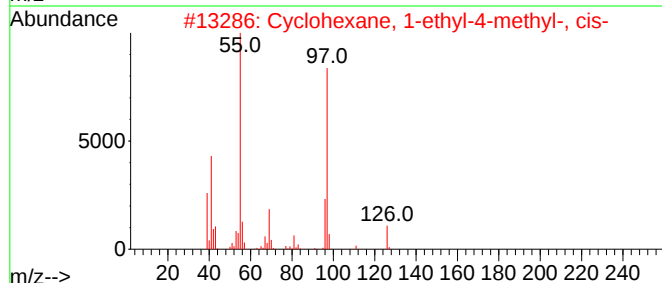
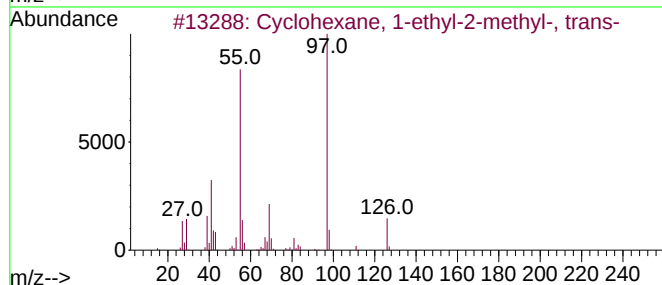
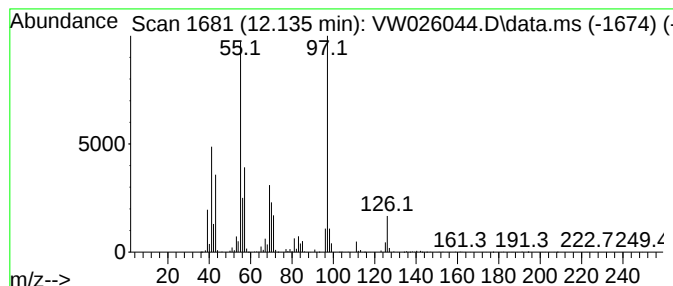
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Cyclic12.135 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.135	18.88 ug/L	1481410	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

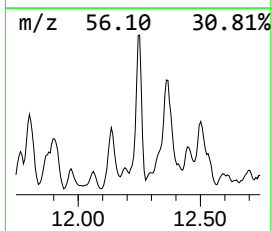
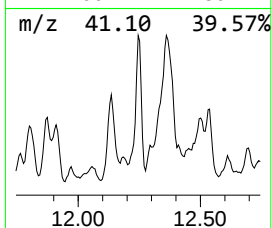
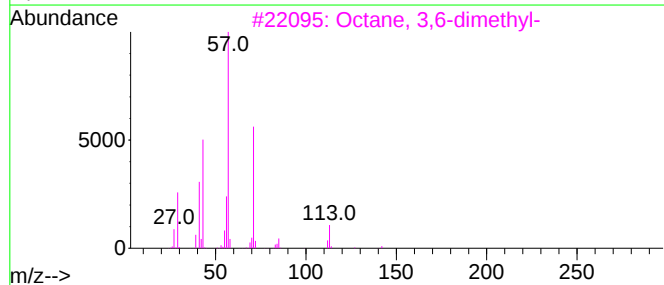
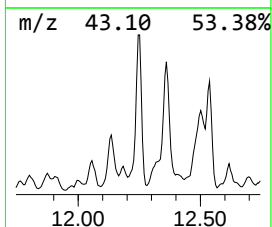
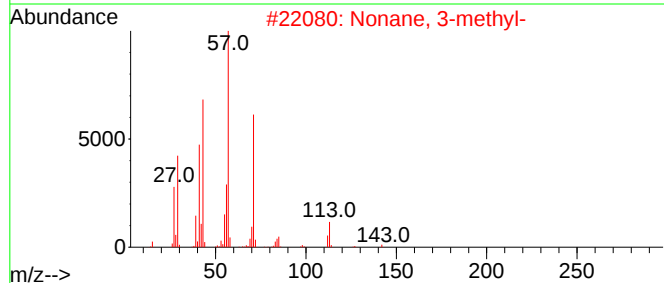
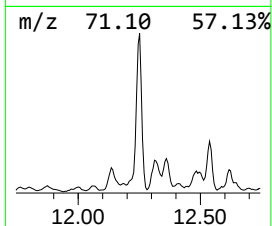
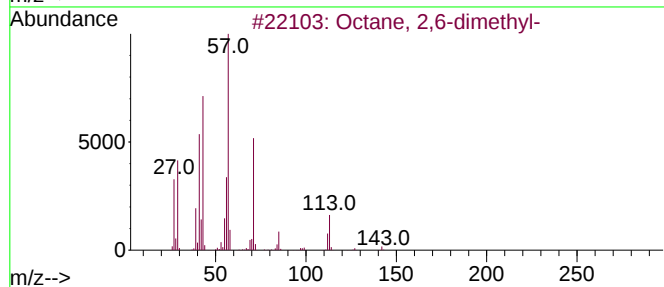
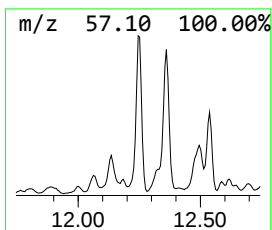
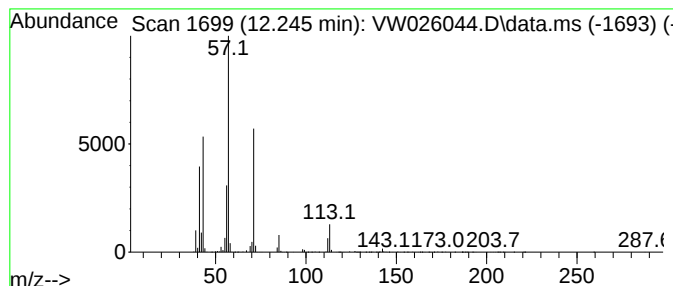
Instrument :
MSVOA_W
ClientSampleId :
EW986

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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 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.245	18.84 ug/L	1478320	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

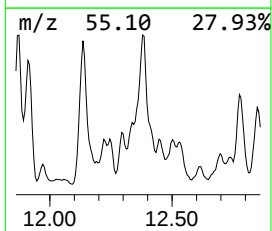
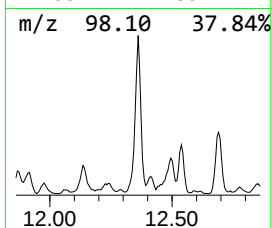
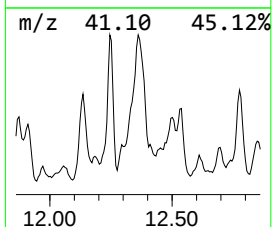
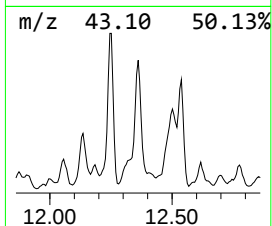
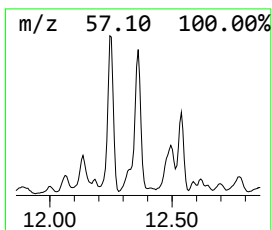
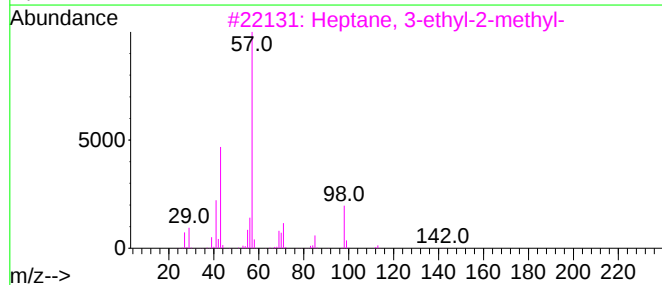
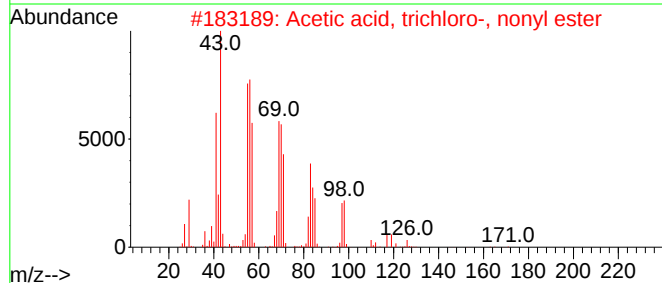
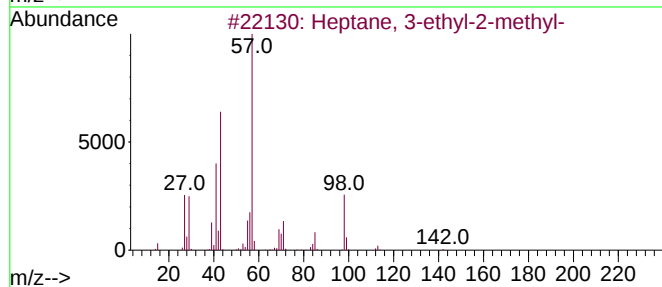
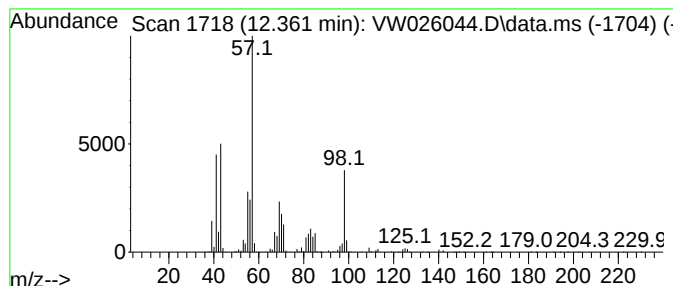
Instrument :
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ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.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 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.361	50.68 ug/L	3975810	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	64
2	Acetic acid, trichloro-, nonyl e...		288	C11H19Cl3O2	065611-32-7	53
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	53
4	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	52
5	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

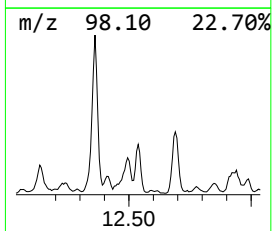
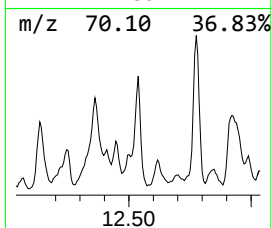
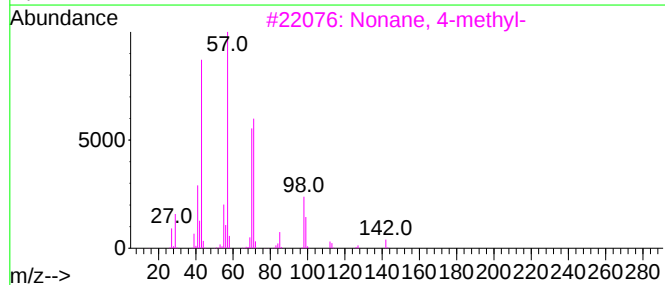
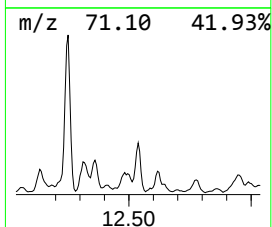
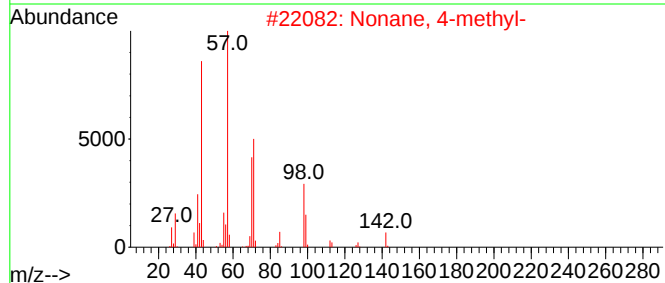
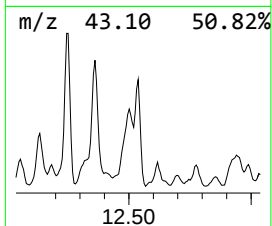
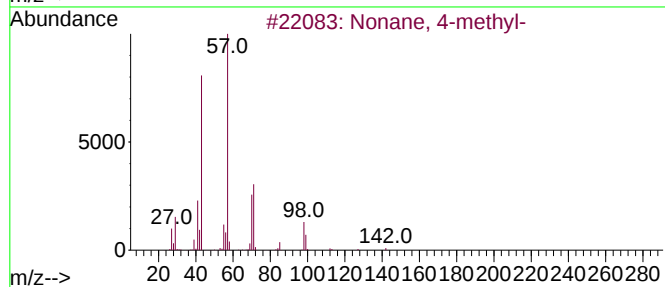
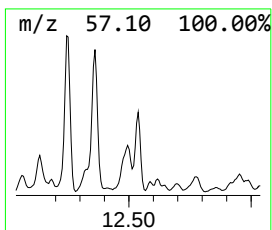
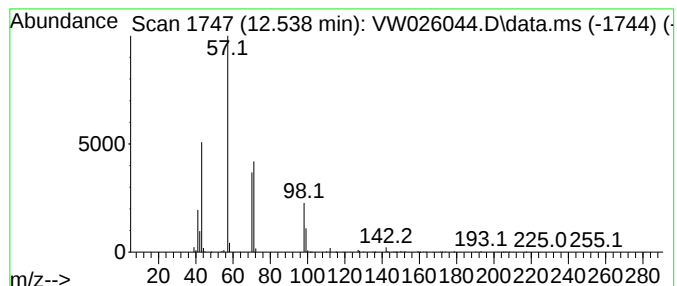
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Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.538	9.98 ug/L	783152	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	83
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	78
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
4		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

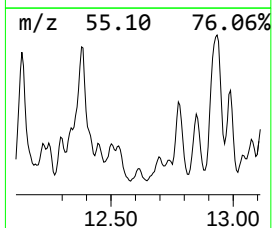
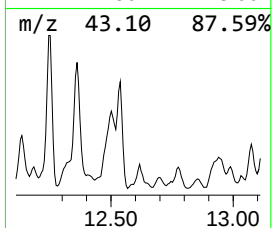
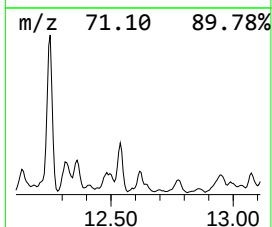
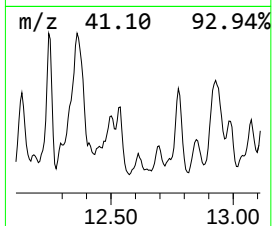
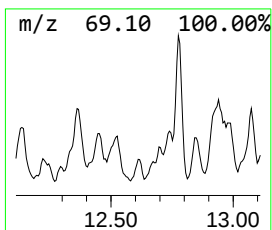
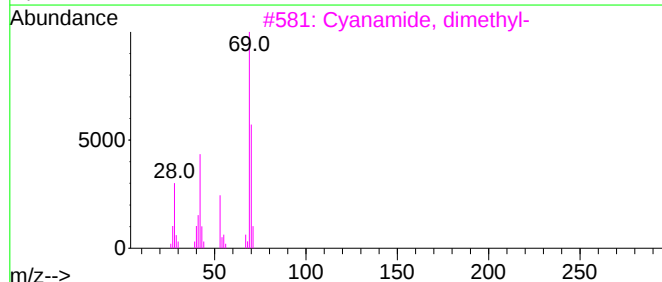
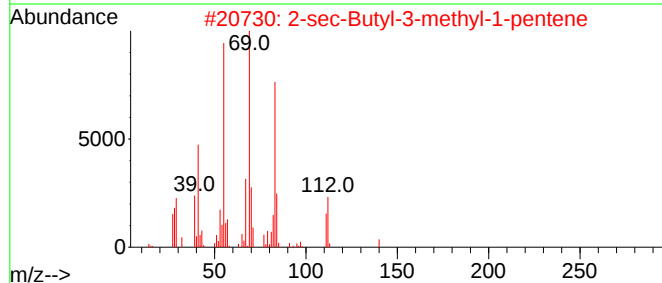
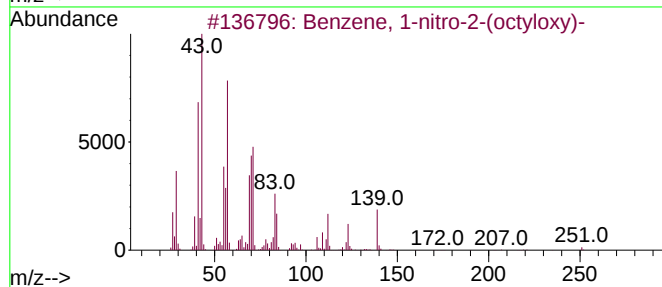
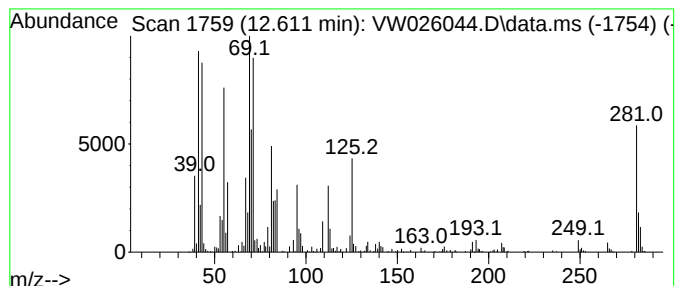
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Quant Title : SFAM01.0

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

Peak Number 44 unknown-02 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.611	6.49 ug/L	314500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-nitro-2-(octyloxy)-	251	C14H21NO3	037682-29-4	38
2			2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	25
3			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	25
4			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	22
5			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

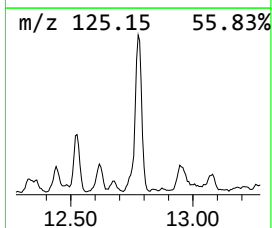
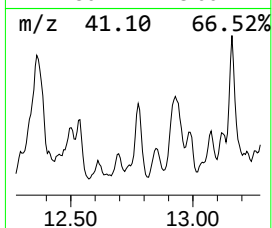
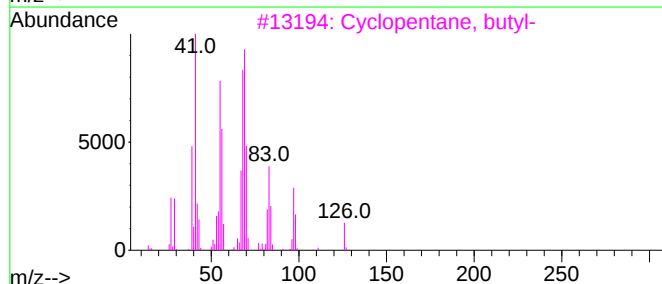
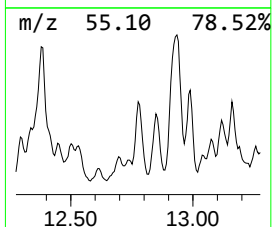
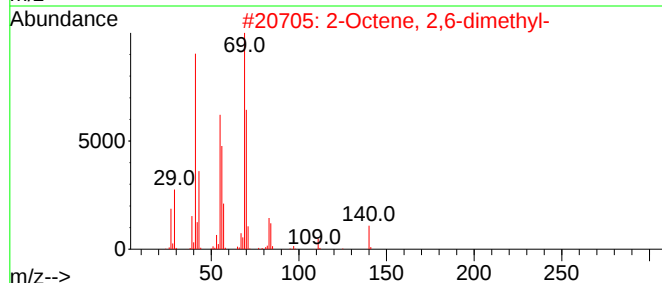
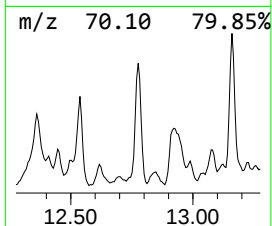
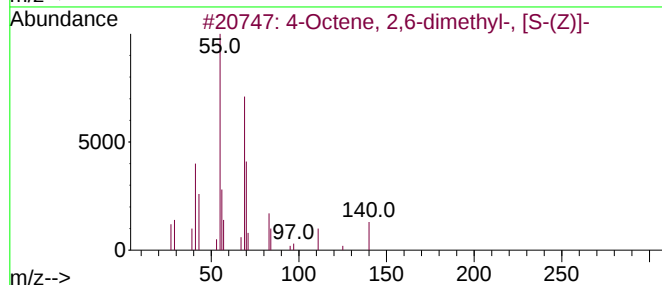
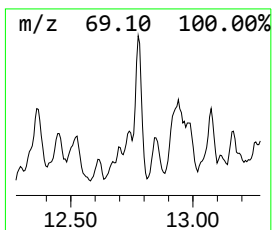
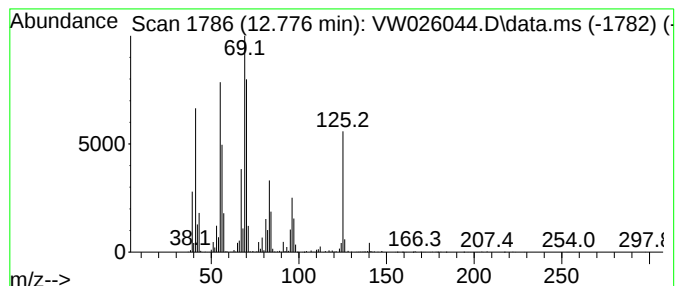
Instrument :
MSVOA_W
ClientSampleId :
EW986

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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.775	25.14 ug/L	1218930	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(Z)]-		140	C10H20	062960-77-4	50
2	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	49
3	Cyclopentane, butyl-		126	C9H18	002040-95-1	47
4	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	47
5	trans-1-Butyl-2-methylcyclopropane		112	C8H16	038851-70-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

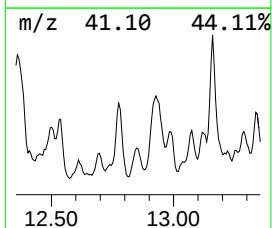
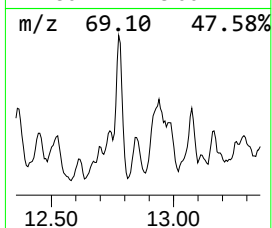
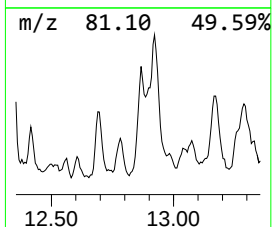
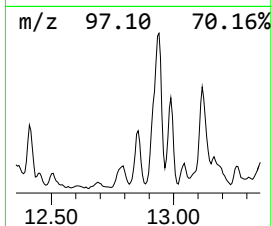
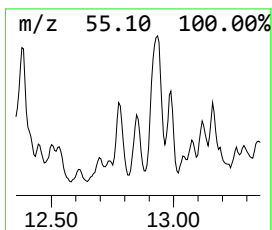
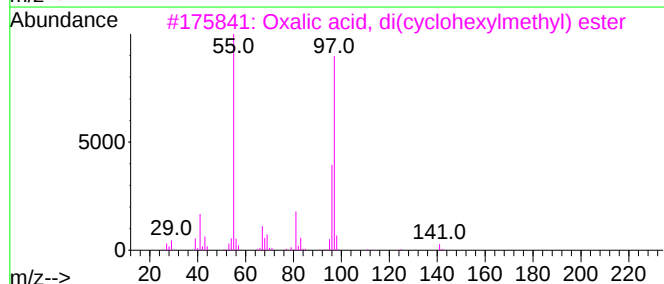
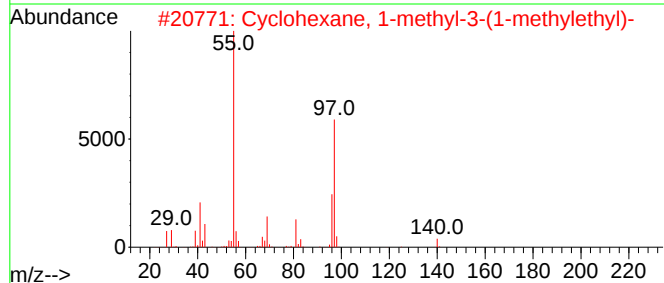
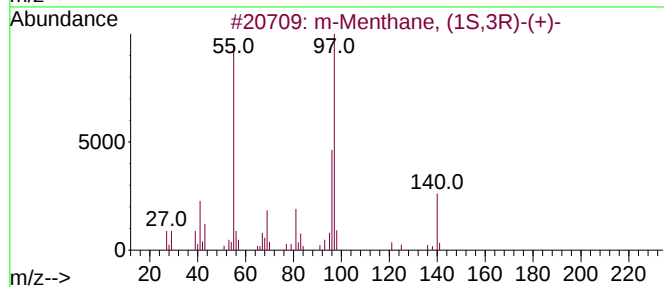
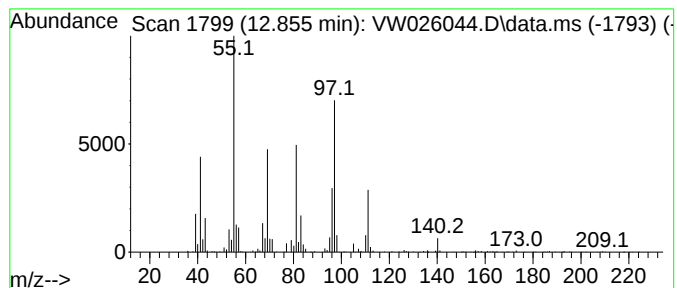
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	12.52 ug/L	606993	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64
2			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	58
3			Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	53
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	53
5			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

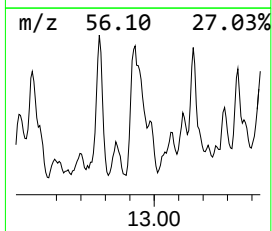
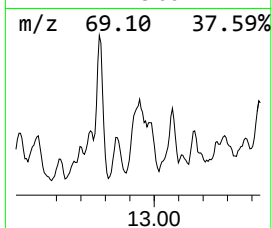
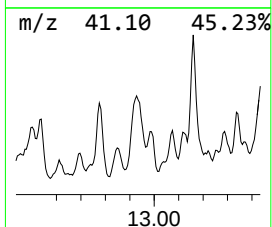
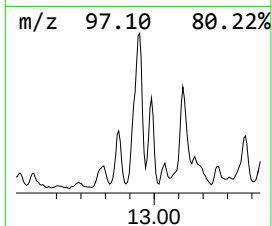
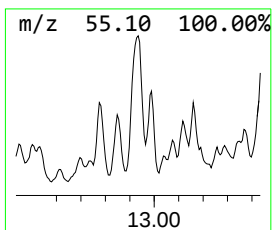
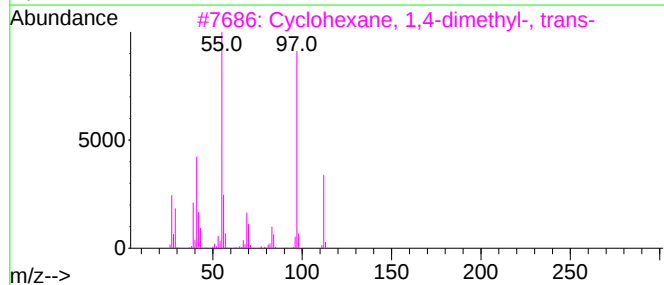
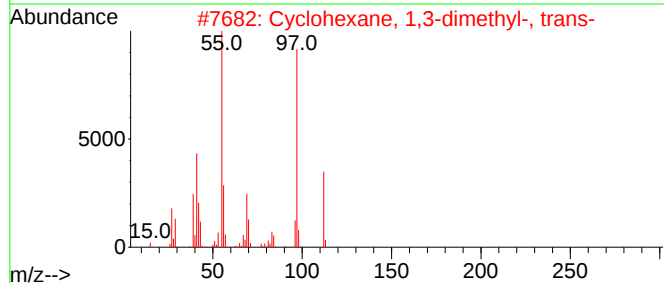
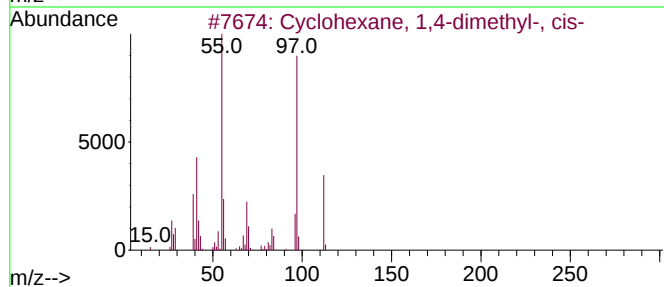
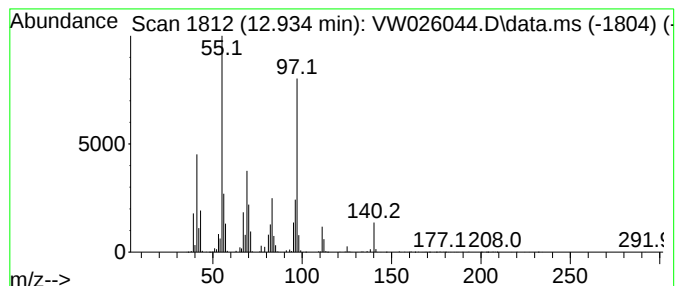
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Cyclic12.934 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	42.39 ug/L	2055200	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	62
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	58
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

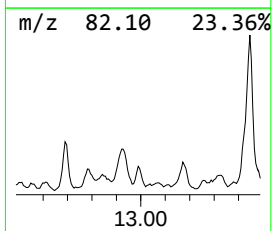
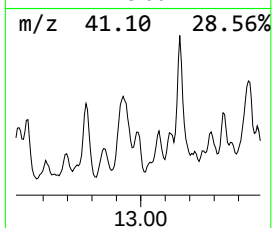
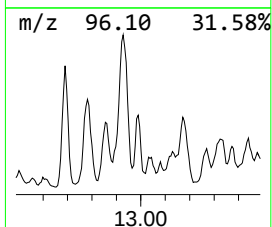
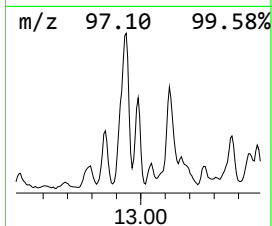
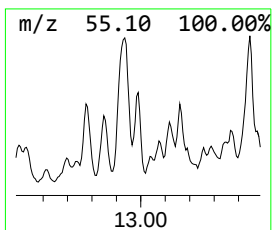
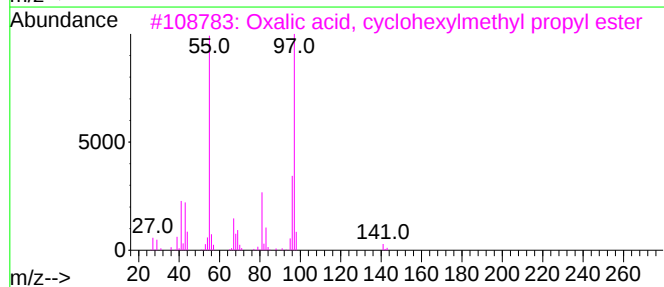
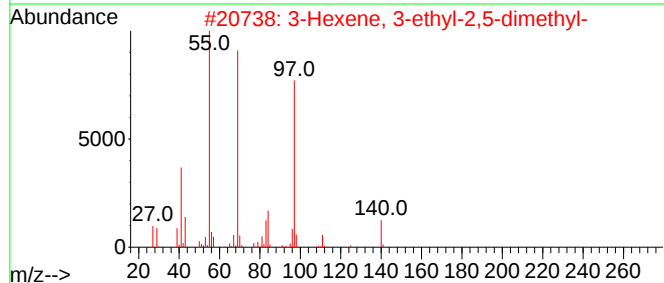
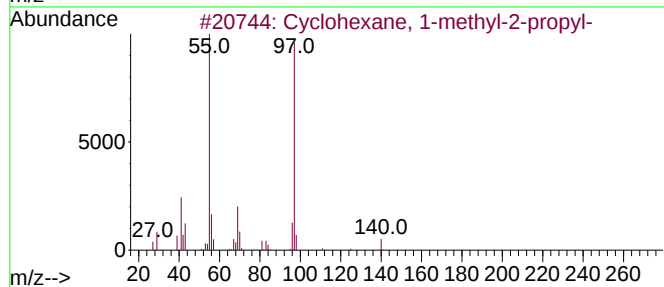
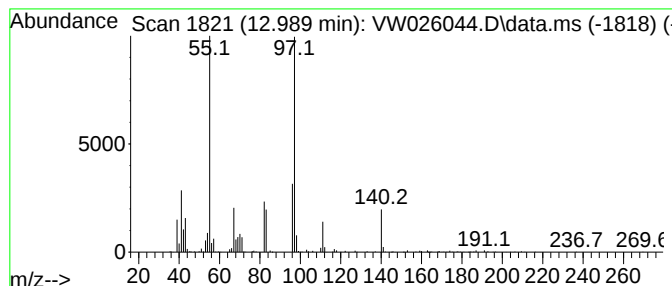
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Cyclic12.989 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	11.97 ug/L	580582	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	50
2			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	50
3			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	50
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	47
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

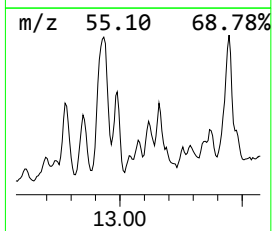
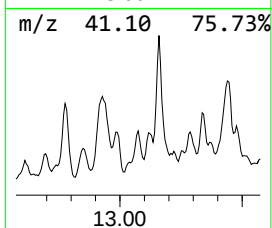
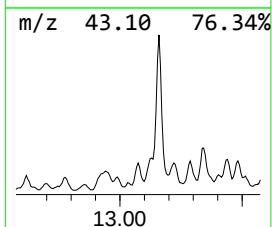
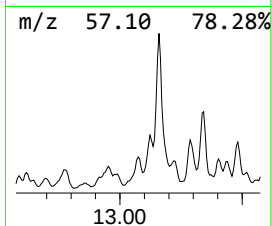
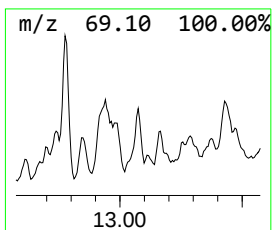
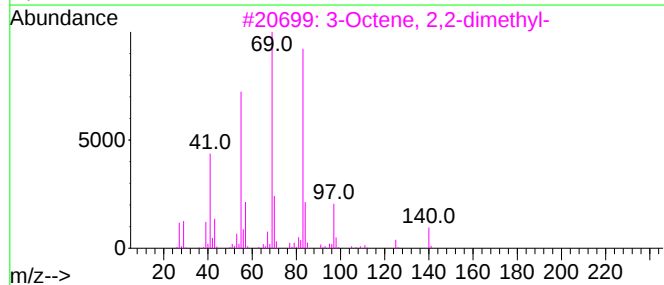
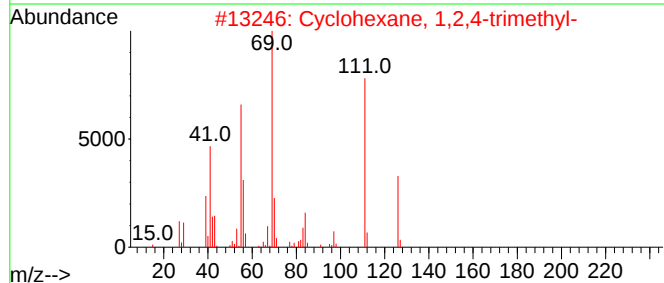
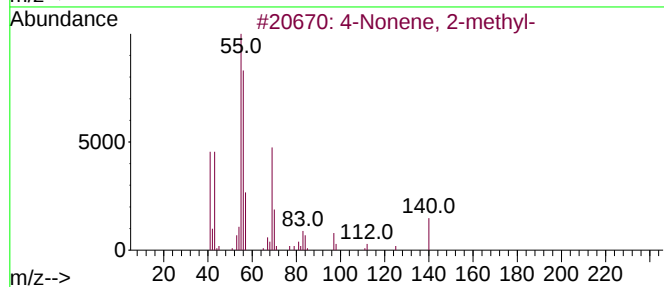
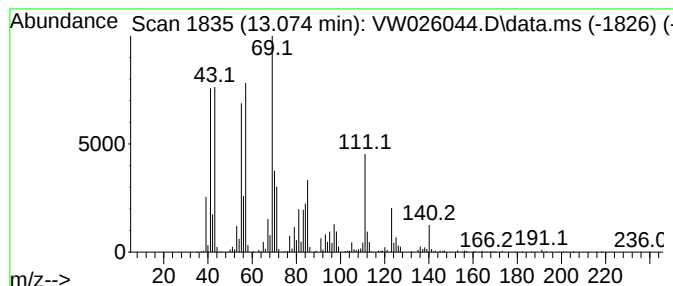
Instrument :
MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.074	17.39 ug/L	843139	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Nonene, 2-methyl-		140	C10H20	055724-84-0	49
2	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	49
3	3-Octene, 2,2-dimethyl-		140	C10H20	086869-76-3	46
4	Cyclopropane, 1,1-diethyl-		98	C7H14	001003-19-6	42
5	2-Hexene, 3-methyl-, (Z)-		98	C7H14	010574-36-4	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

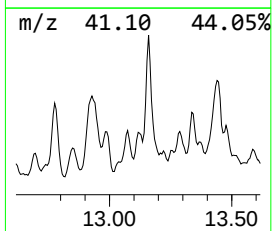
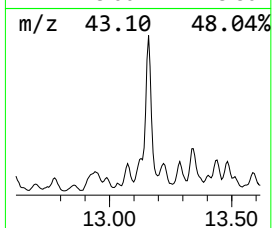
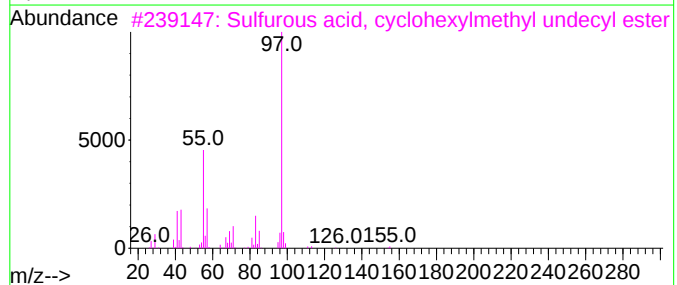
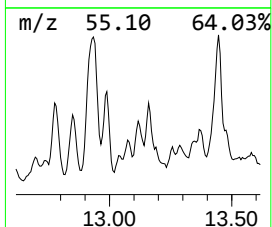
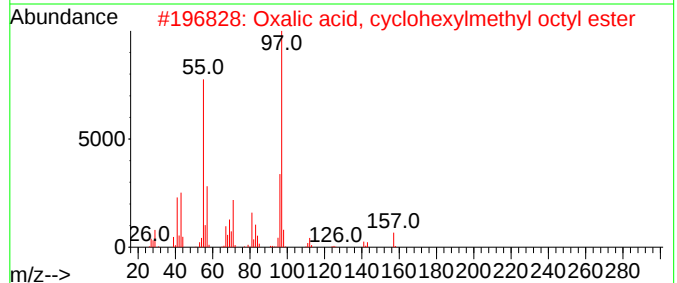
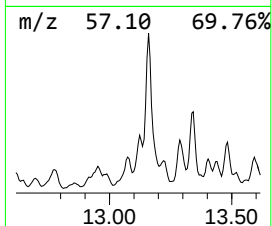
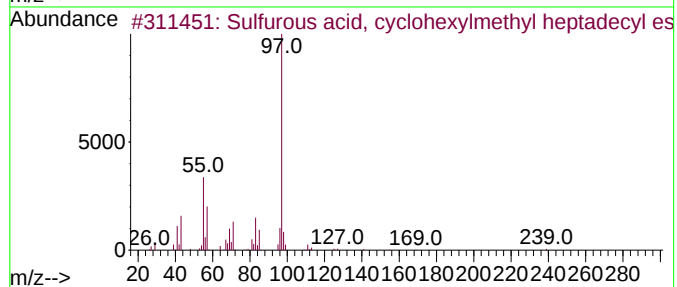
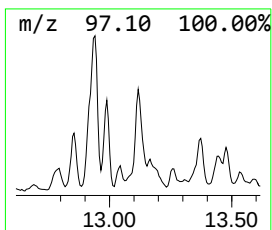
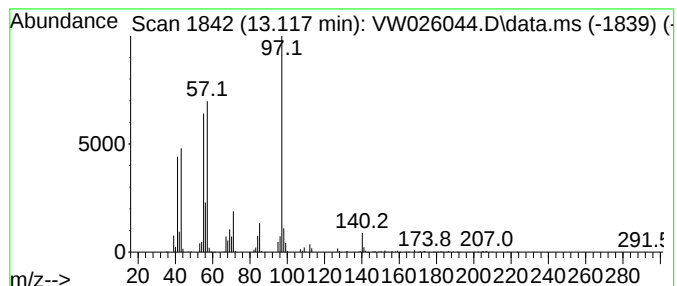
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Quant Title : SFAM01.0

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

Peak Number 50 Sulfurous acid, cyclohexylm... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.117	8.47 ug/L	410754	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	72
2			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	64
3			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
4			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	59
5			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

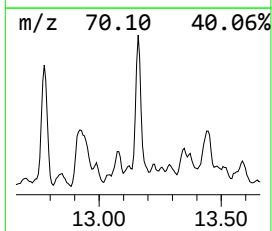
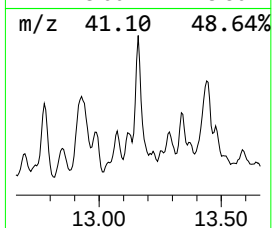
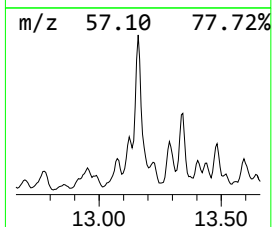
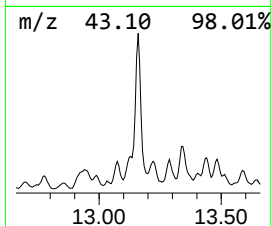
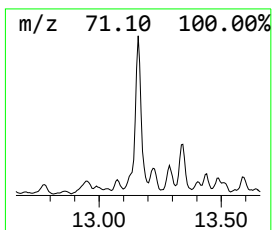
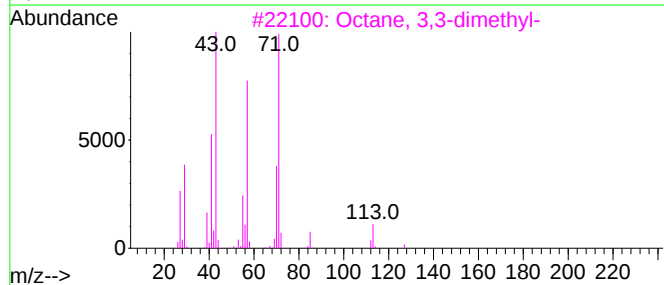
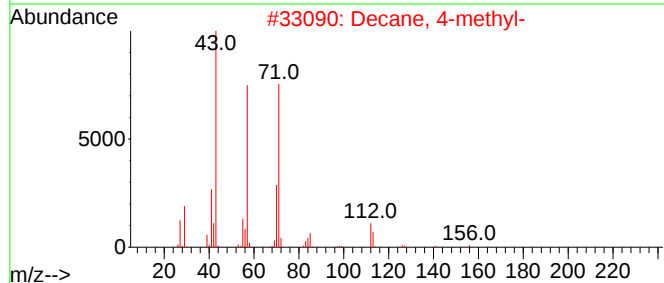
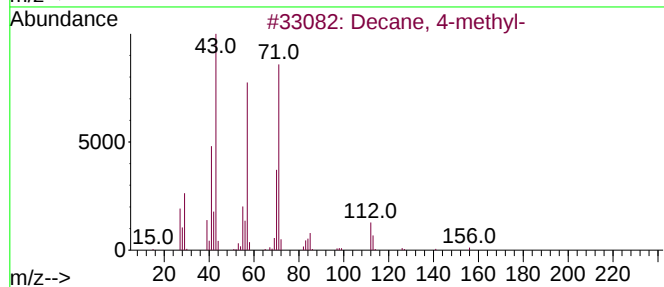
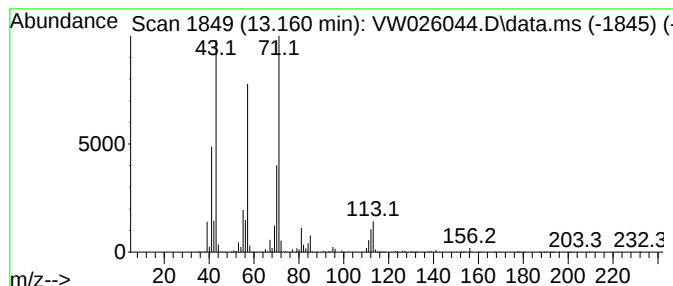
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	34.93 ug/L	1693460	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	90
2			Decane, 4-methyl-	156	C11H24	002847-72-5	90
3			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

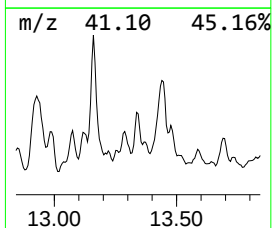
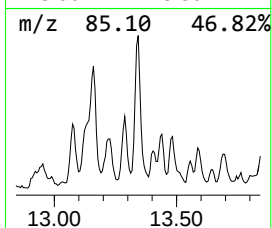
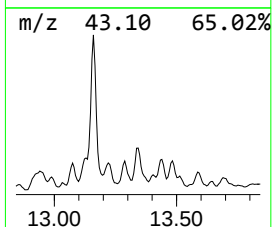
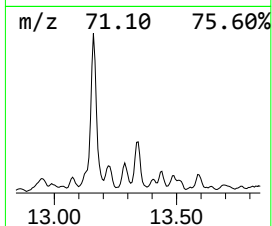
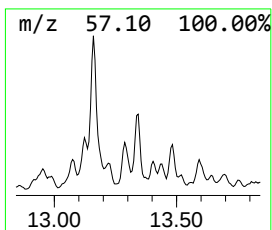
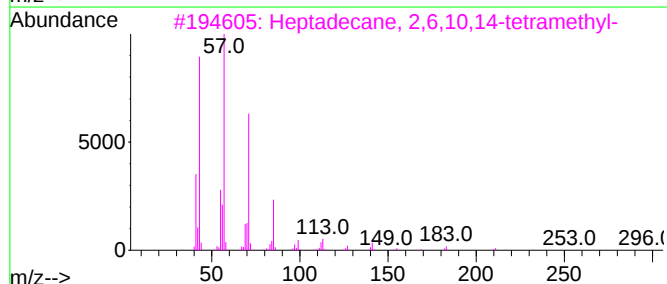
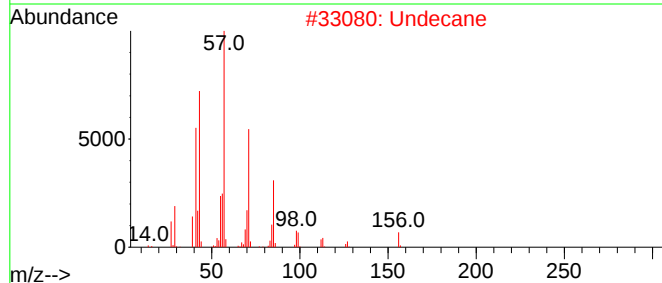
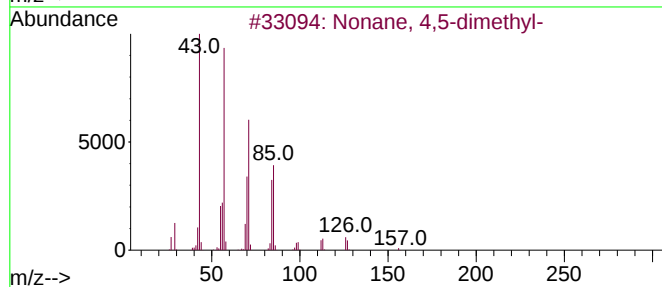
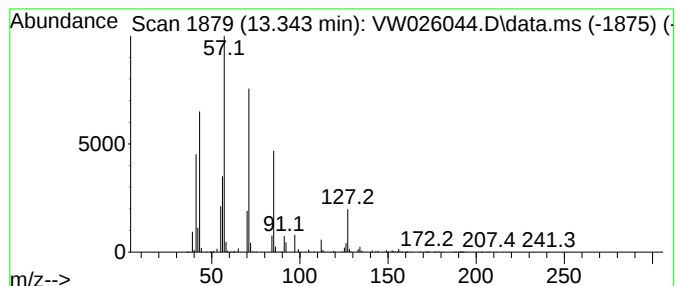
Instrument :
MSVOA_W
ClientSampleId :
EW986

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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.342	9.36 ug/L	453824	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	72
2	Undecane		156	C11H24	001120-21-4	72
3	Heptadecane, 2,6,10,14-tetramethyl-		296	C21H44	018344-37-1	59
4	Octadecane		254	C18H38	000593-45-3	59
5	Decane, 3-methyl-		156	C11H24	013151-34-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

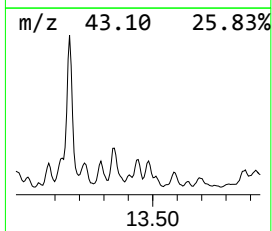
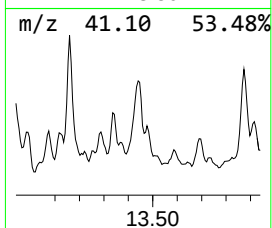
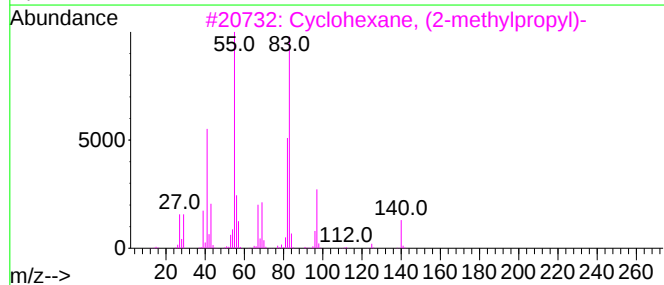
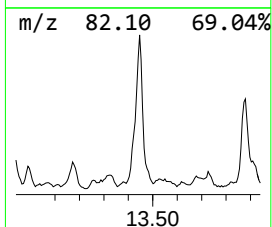
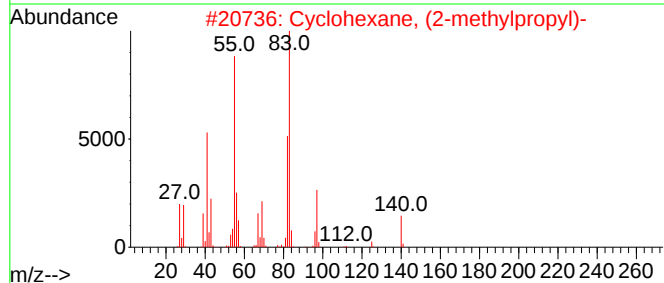
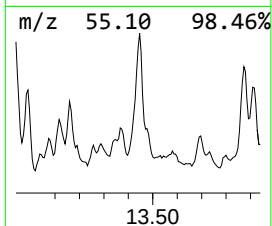
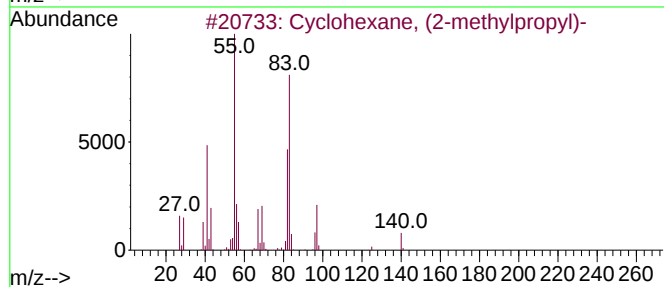
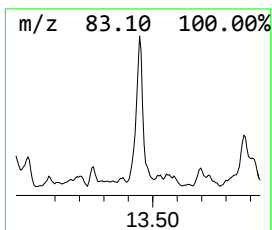
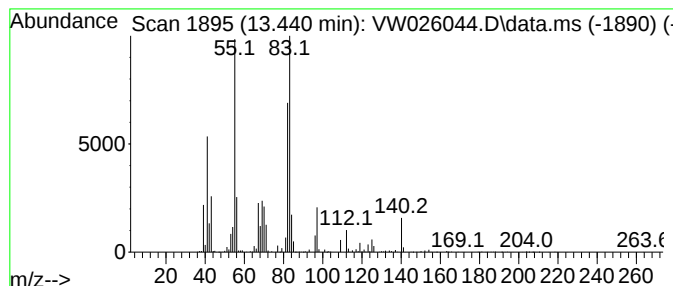
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Quant Title : SFAM01.0

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

Peak Number 53 (DEL) Alkane: Cyclic13.440 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	21.29 ug/L	1032200	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

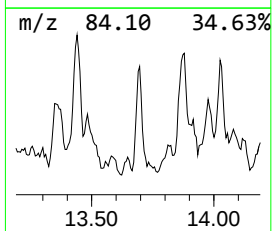
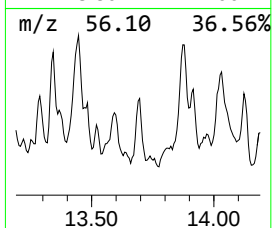
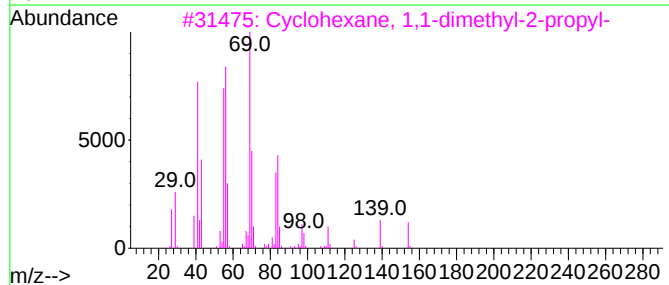
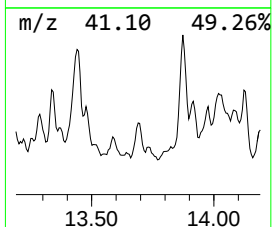
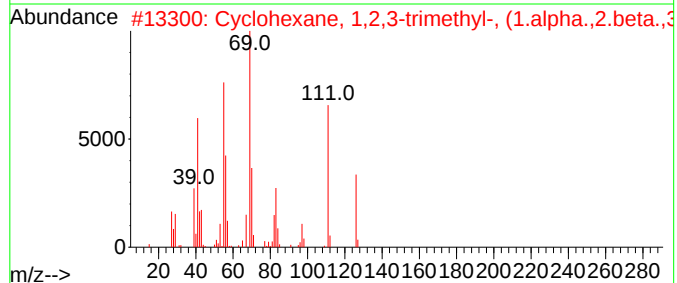
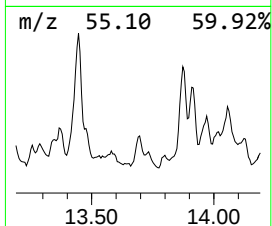
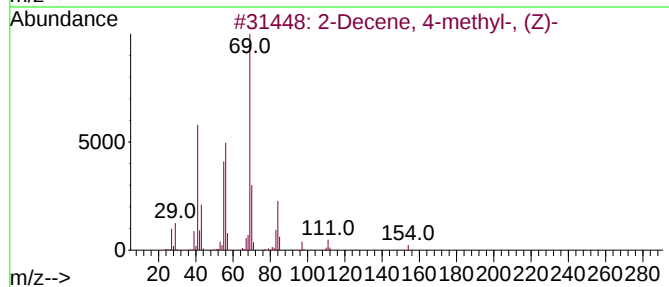
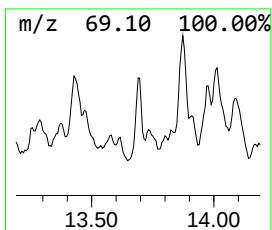
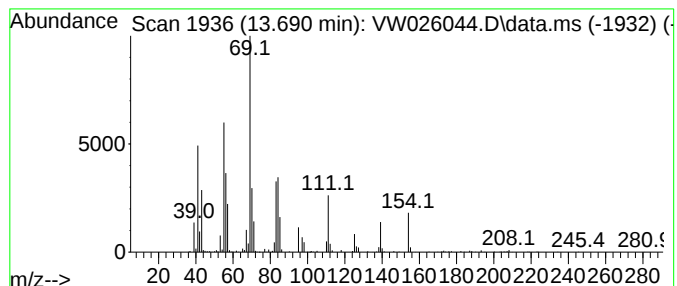
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.690	8.00 ug/L	388105	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	74	
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	68	
3	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	53	
4	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	53	
5	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	53	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

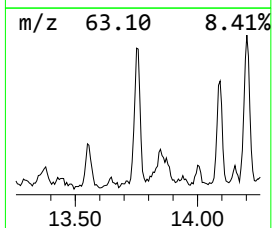
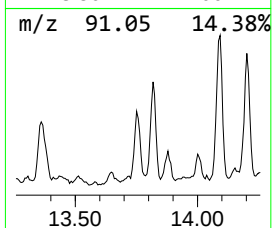
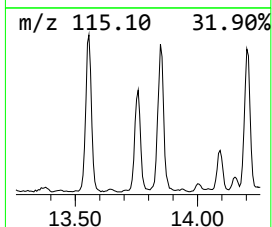
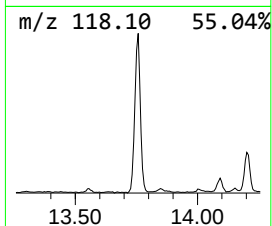
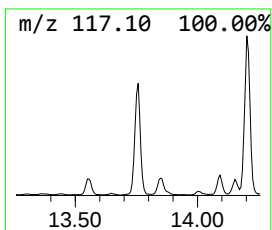
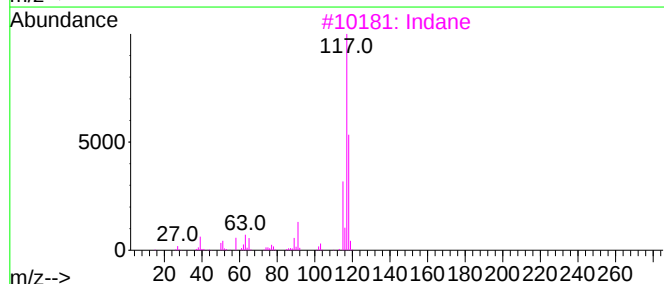
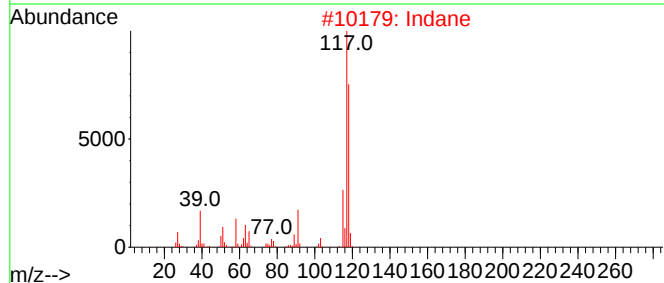
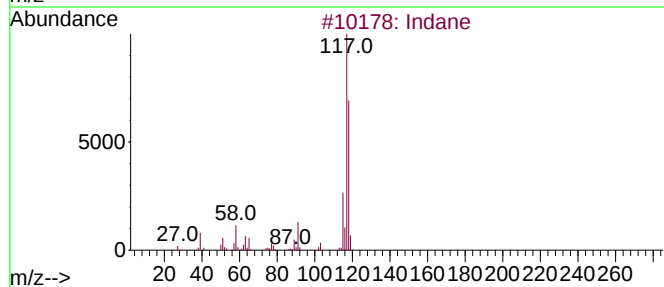
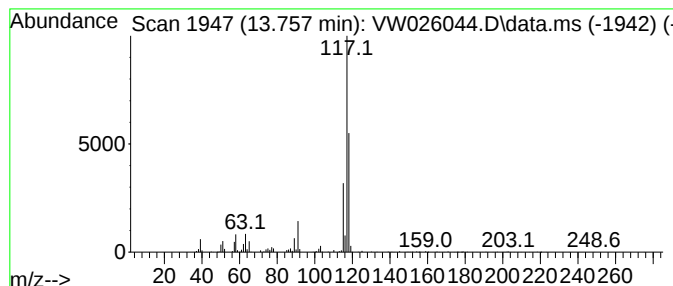
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Quant Title : SFAM01.0

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

Peak Number 55 Indane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	13.03 ug/L	631809	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane			118	C9H10	000496-11-7	87
2	Indane			118	C9H10	000496-11-7	83
3	Indane			118	C9H10	000496-11-7	74
4	Benzene, cyclopropyl-			118	C9H10	000873-49-4	64
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...			118	C9H10	1000191-13-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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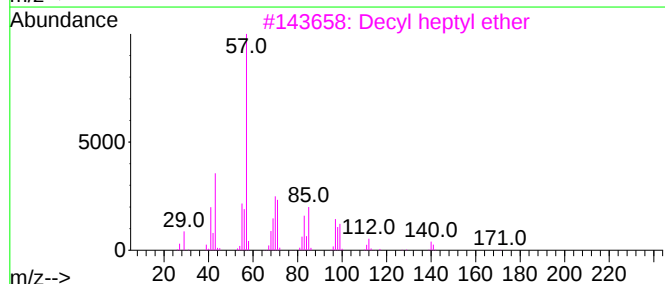
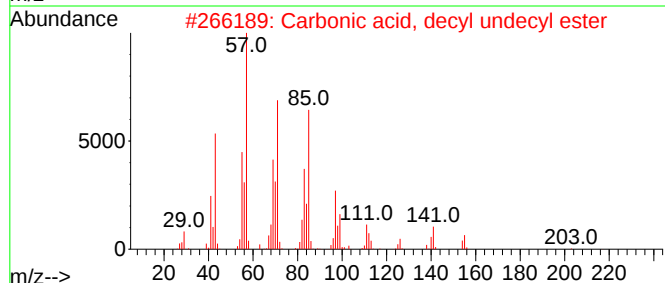
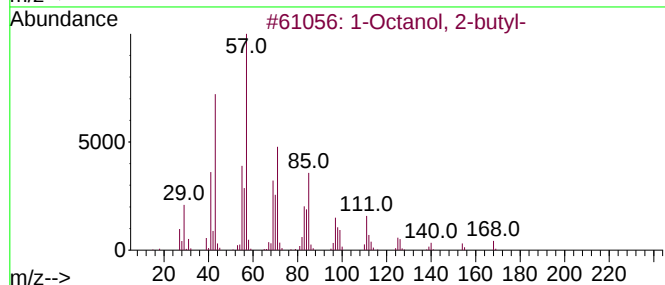
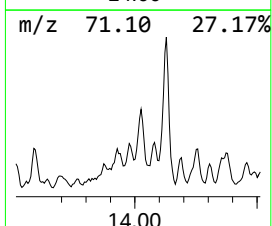
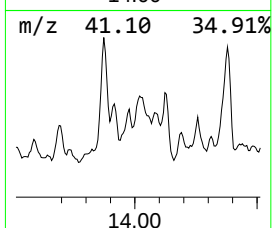
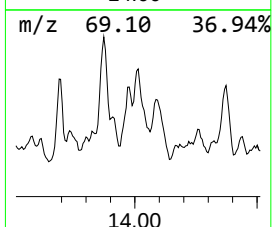
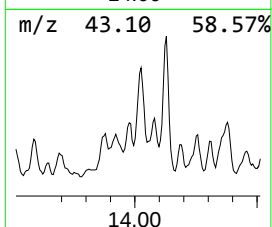
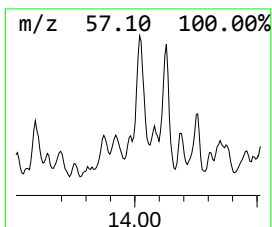
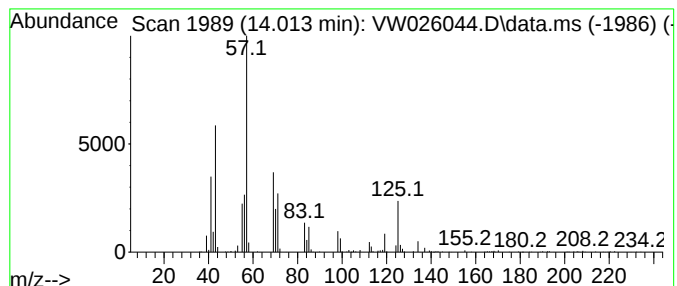
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Quant Title : SFAM01.0

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

Peak Number 56 1-Octanol, 2-butyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.013	7.80 ug/L	378032	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
2			Carbonic acid, decyl undecyl ester	356	C22H44O3	1000383-16-0	47
3			Decyl heptyl ether	256	C17H36O	1000406-39-1	47
4			Nonane, 4-methyl-	142	C10H22	017301-94-9	43
5			Tridecane, 6-methyl-	198	C14H30	013287-21-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

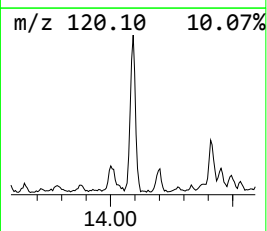
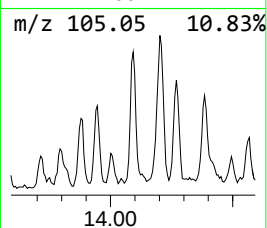
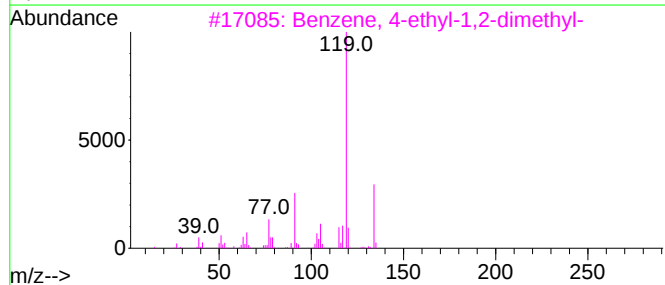
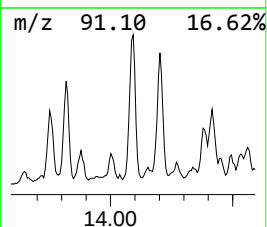
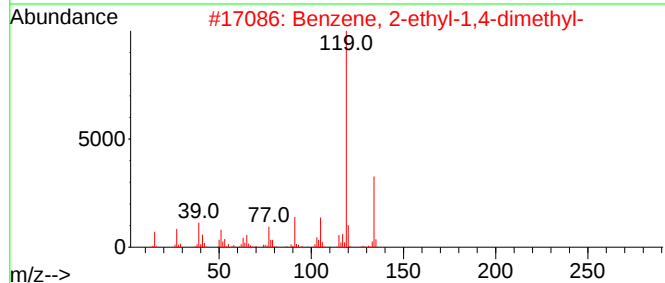
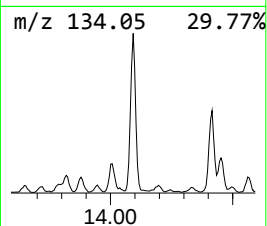
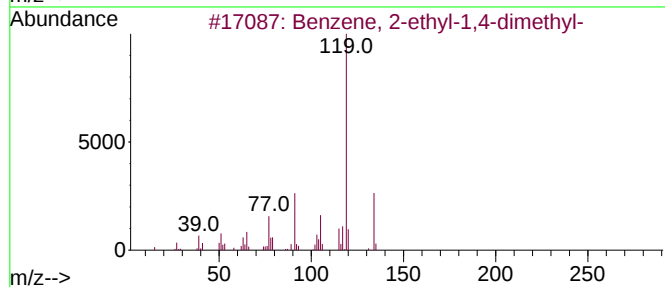
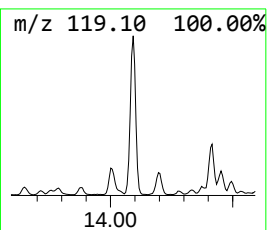
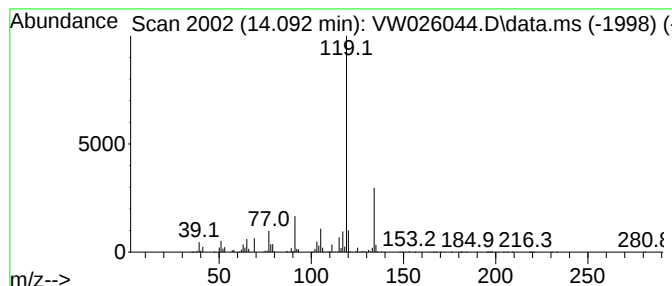
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Quant Title : SFAM01.0

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

Peak Number 57 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	20.06 ug/L	972714	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

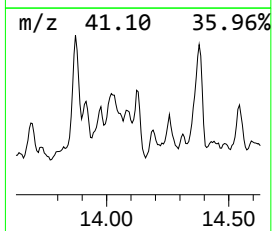
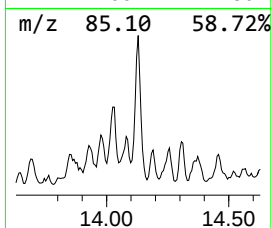
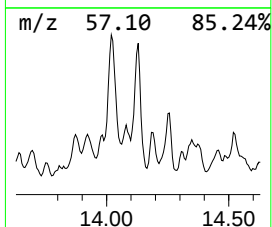
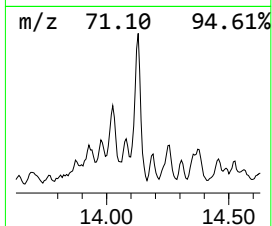
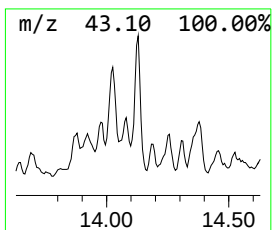
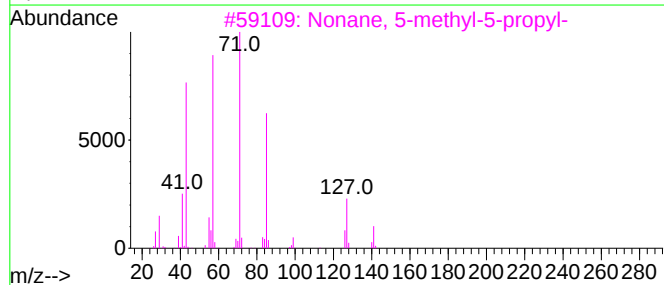
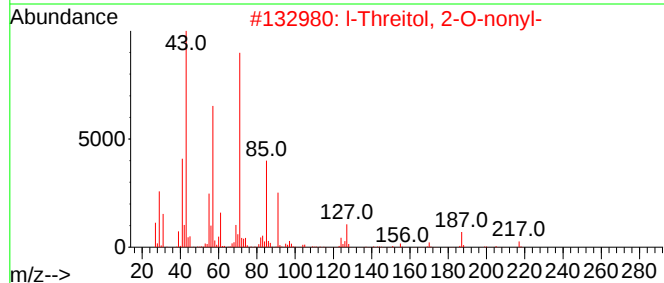
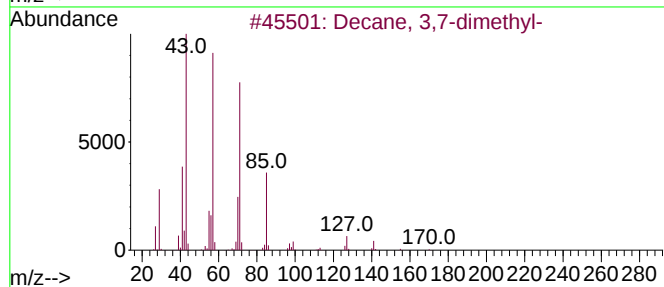
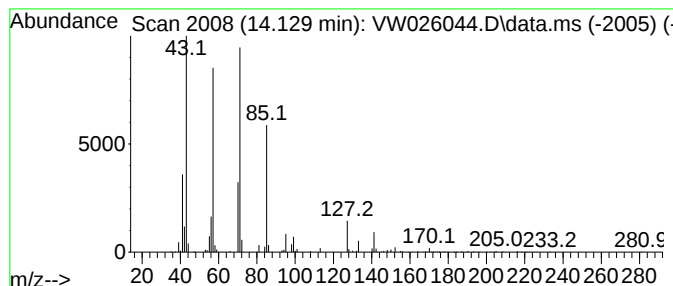
Instrument :
MSVOA_W
ClientSampleId :
EW986

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Quant Title : SFAM01.0

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.129	13.34 ug/L	646919	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	94
2	l-Threitol, 2-O-nonyl-		248	C13H28O4	163776-15-6	59
3	Nonane, 5-methyl-5-propyl-		184	C13H28	017312-75-3	53
4	Nonane, 1-iodo-		254	C9H19I	004282-42-2	50
5	1-Iodo-2-methylnonane		268	C10H21I	1000101-47-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

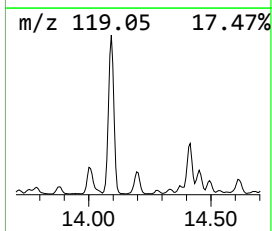
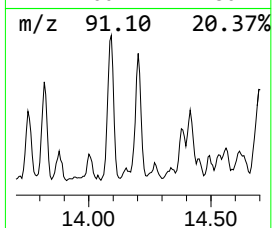
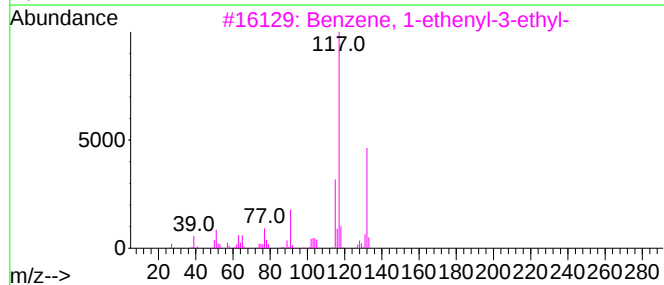
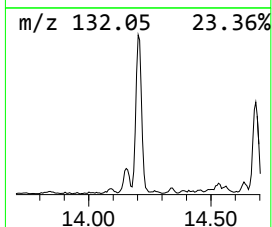
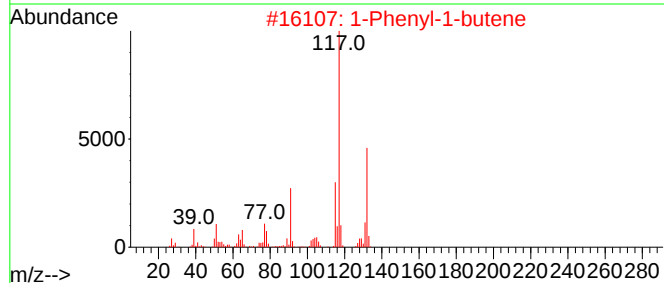
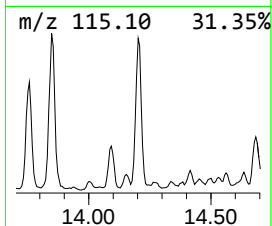
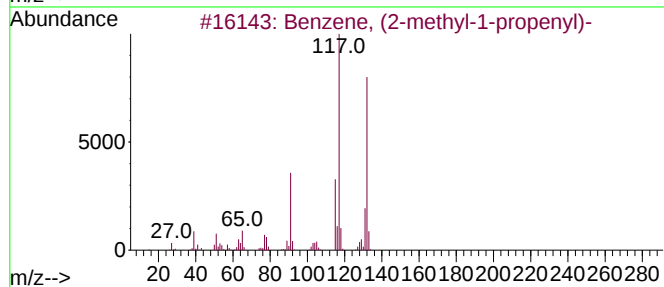
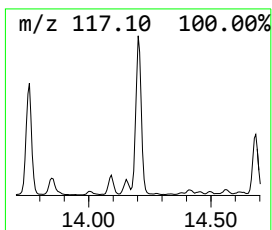
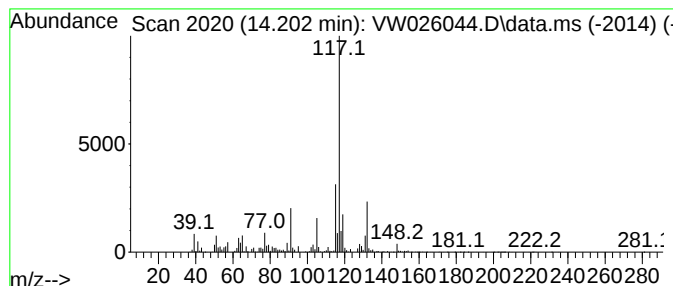
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Quant Title : SFAM01.0

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

Peak Number 59 Benzene, (2-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	26.11 ug/L	1265690	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	81
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80
4			Indan, 1-methyl-	132	C10H12	000767-58-8	76
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

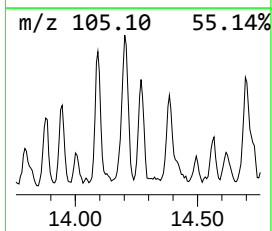
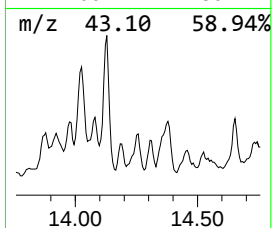
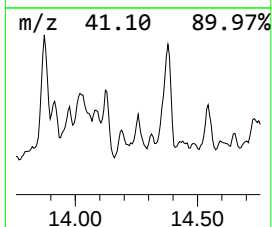
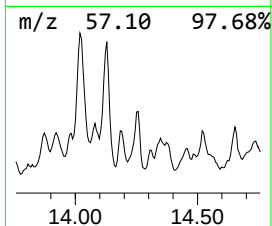
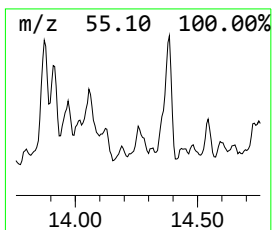
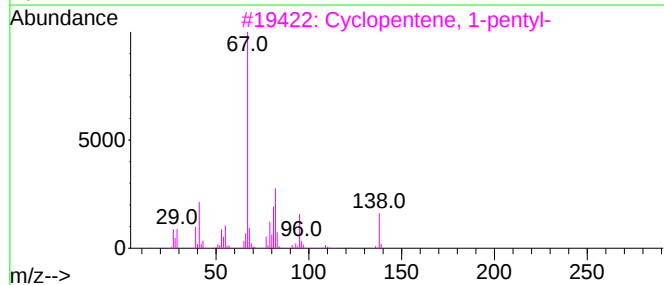
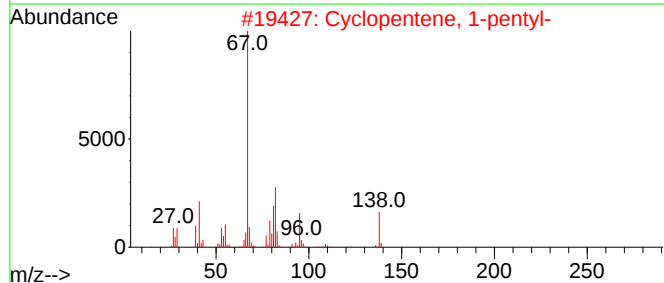
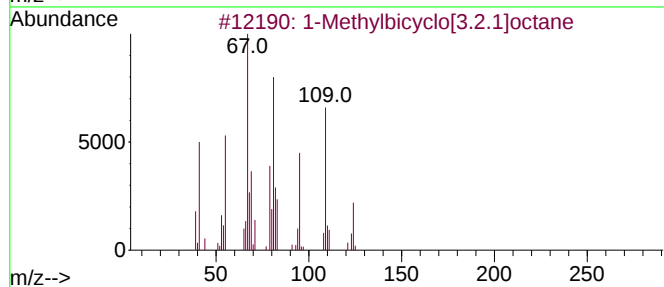
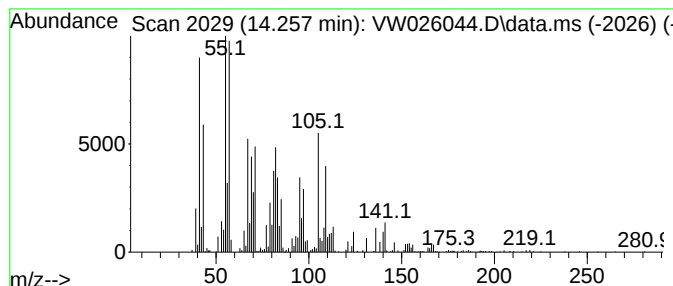
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Quant Title : SFAM01.0

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

Peak Number 60 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	8.95 ug/L	433966	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	46
2		Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	42
3		Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	42
4		1,11-Dodecadiene	166	C12H22	005876-87-9	41
5		Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

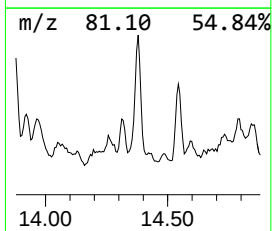
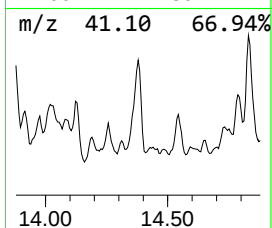
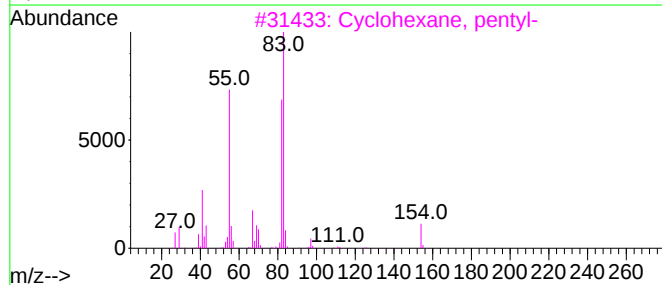
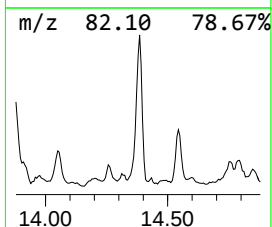
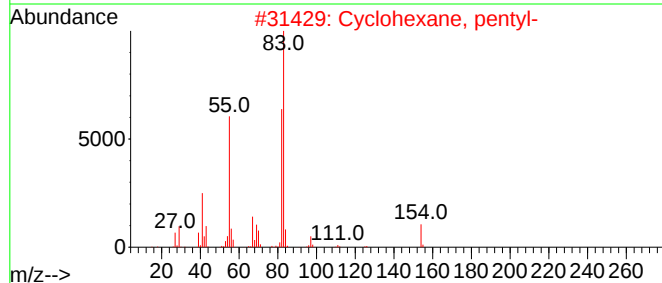
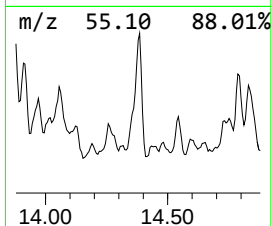
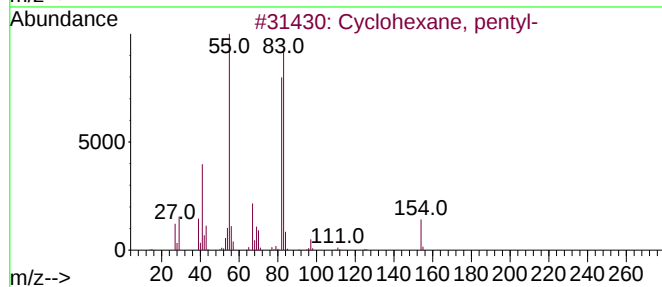
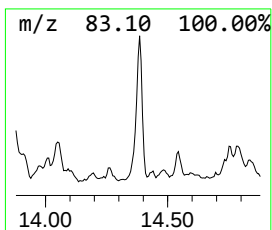
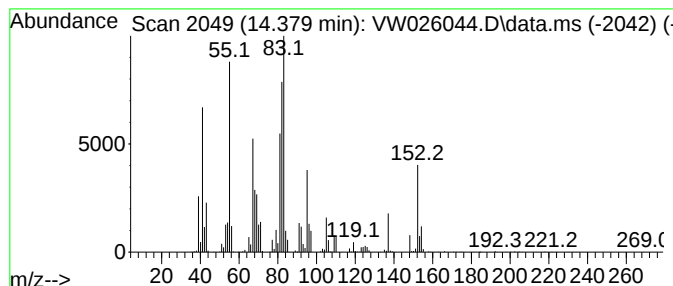
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Quant Title : SFAM01.0

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

Peak Number 61 (DEL) Alkane: Cyclic14.379 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	30.61 ug/L	1484090	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

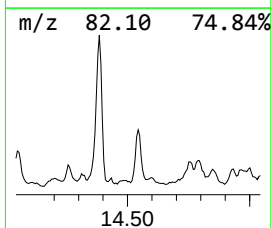
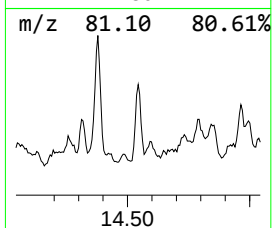
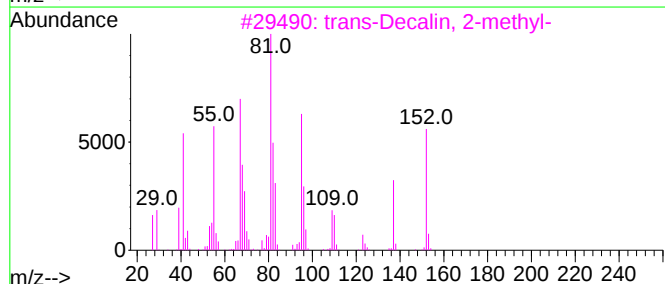
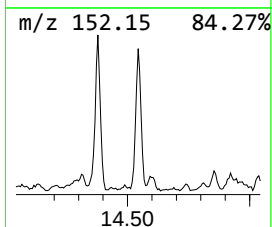
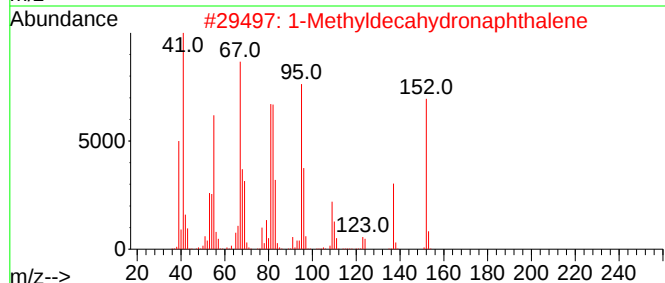
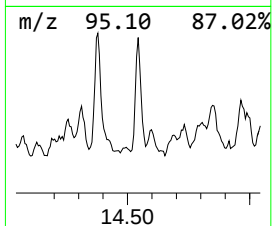
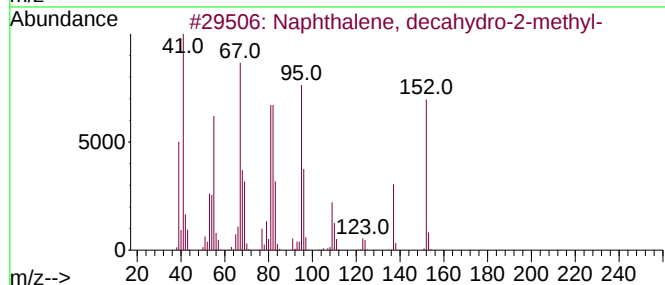
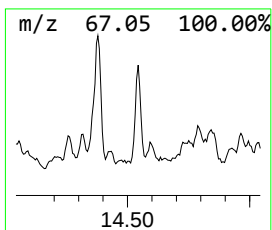
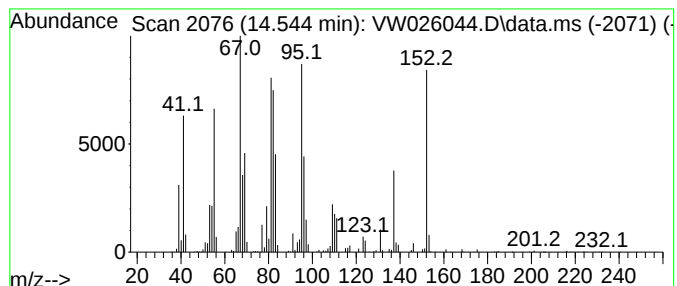
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Quant Title : SFAM01.0

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

Peak Number 62 Naphthalene, decahydro-2-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	16.32 ug/L	791288	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
5			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
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ALS Vial : 1 Sample Multiplier: 1

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MSVOA_W
ClientSampleId :
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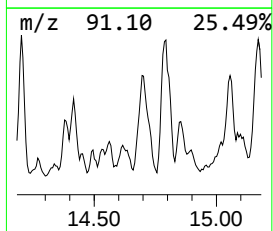
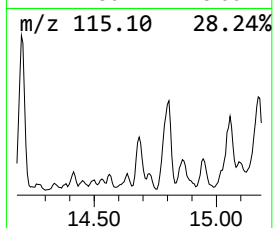
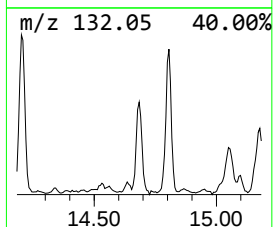
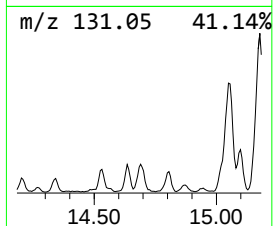
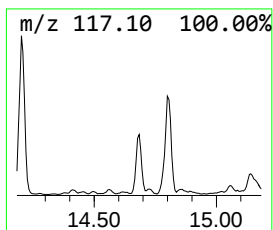
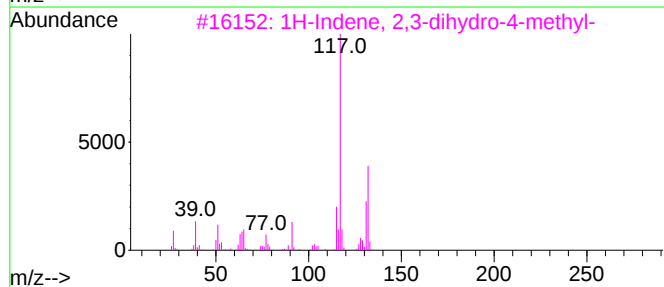
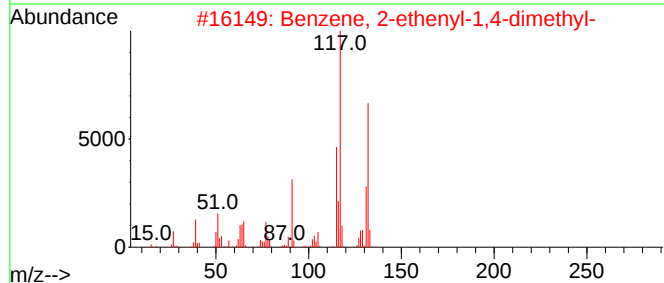
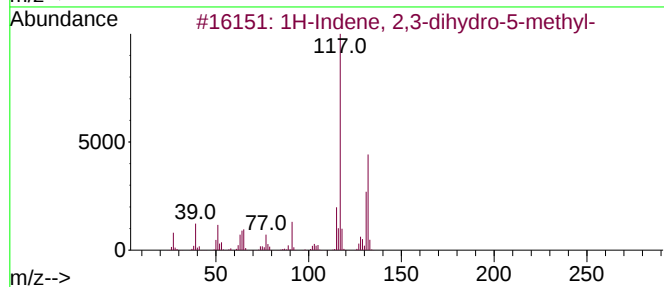
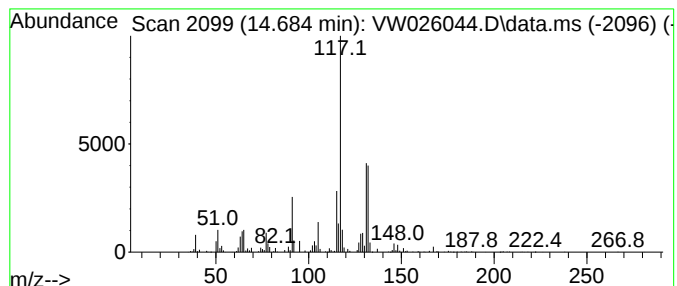
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Quant Title : SFAM01.0

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

Peak Number 63 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	7.17 ug/L	347474	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4			Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	81
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

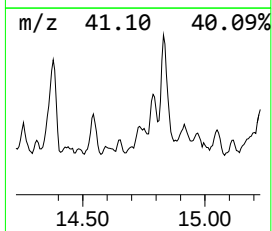
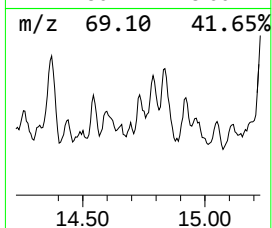
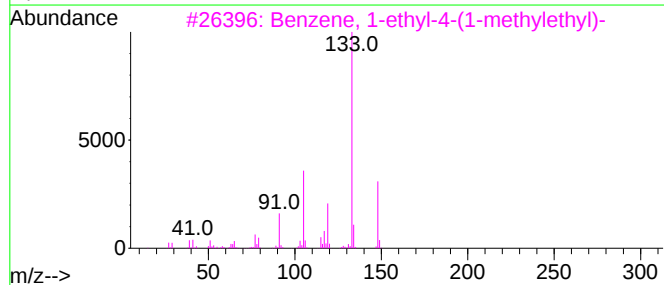
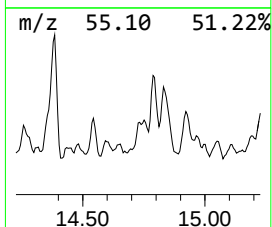
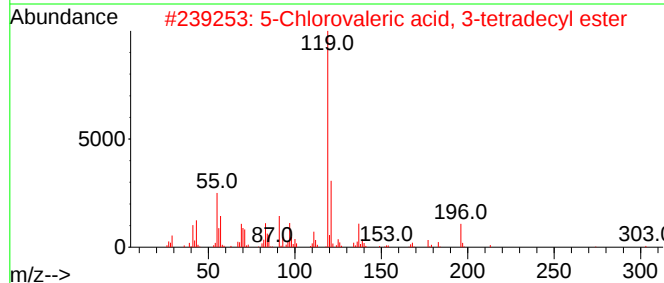
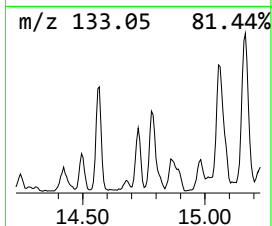
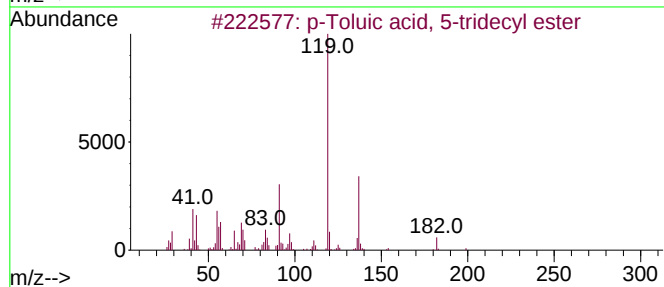
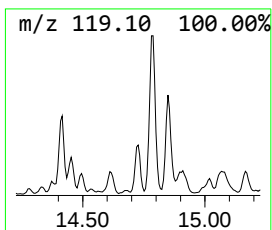
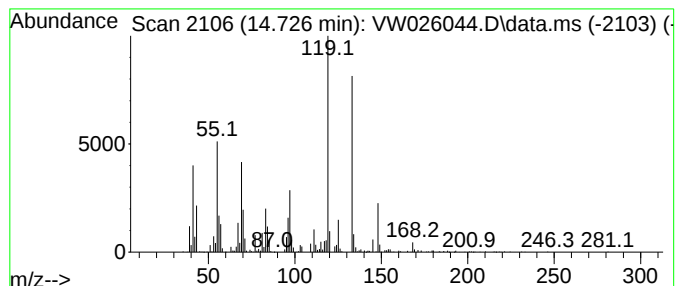
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Quant Title : SFAM01.0

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

Peak Number 64 unknown-04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.726	8.94 ug/L	433292	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-80-5	38
2			5-Chlorovaleric acid, 3-tetradec...	332	C19H37ClO2	1000299-91-7	38
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	30
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	25
5			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

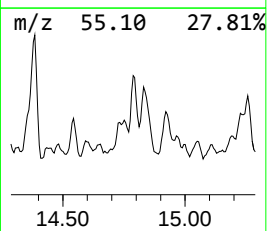
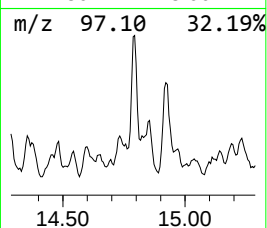
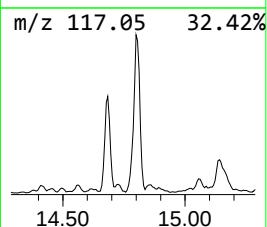
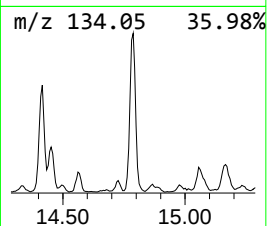
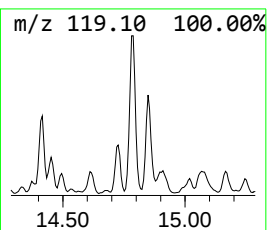
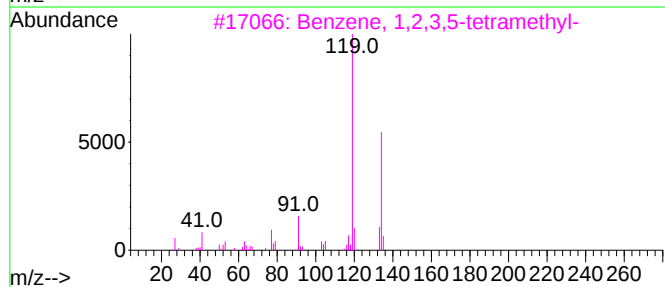
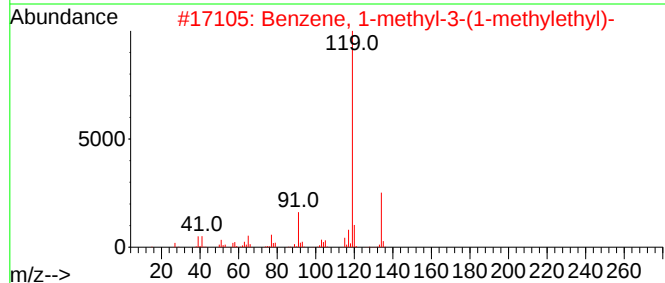
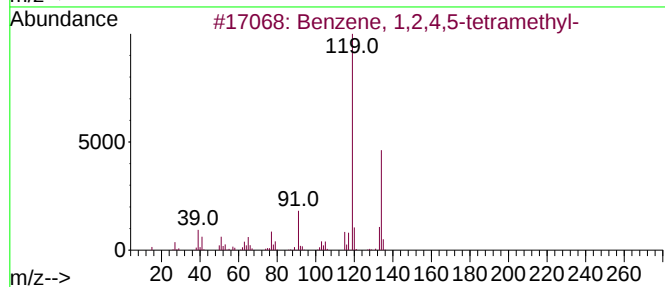
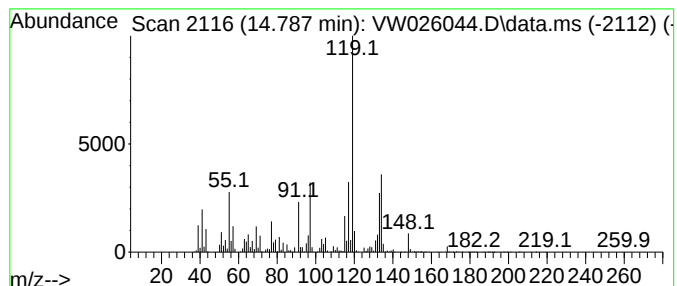
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Quant Title : SFAM01.0

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

Peak Number 65 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	36.41 ug/L	1765240	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	64
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
5			o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

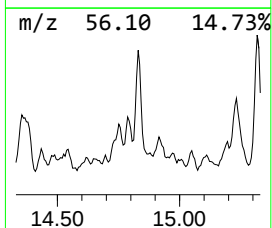
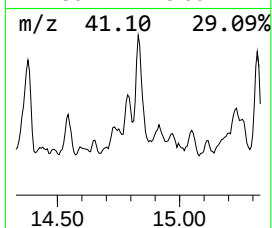
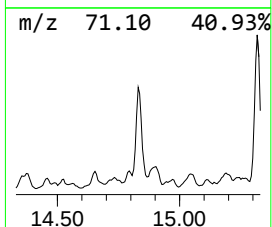
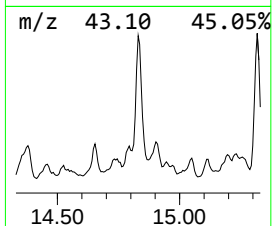
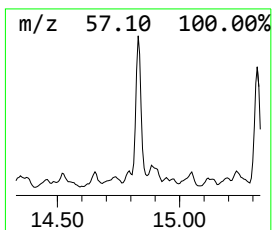
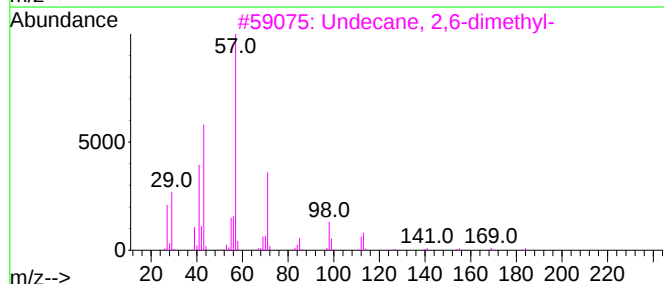
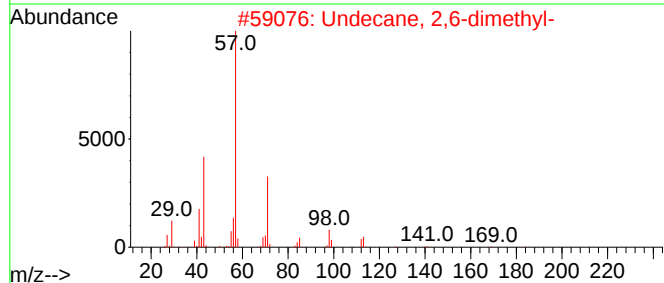
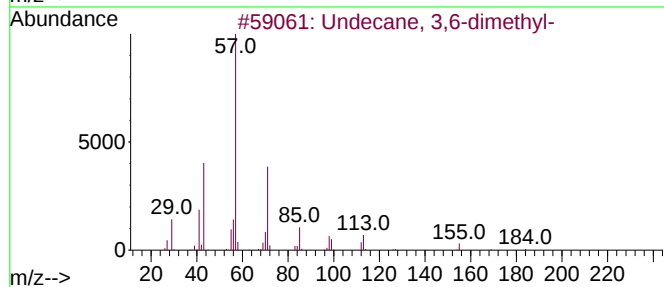
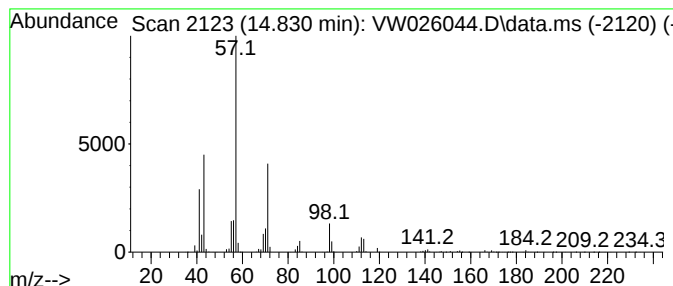
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Quant Title : SFAM01.0

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	35.24 ug/L	1708610	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

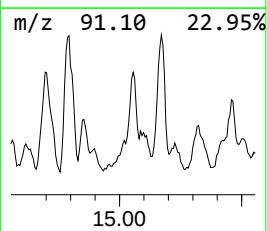
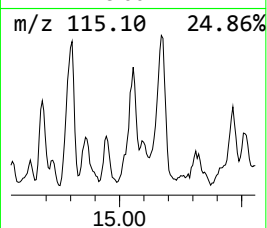
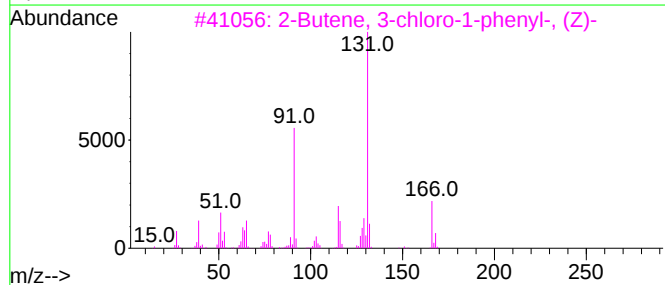
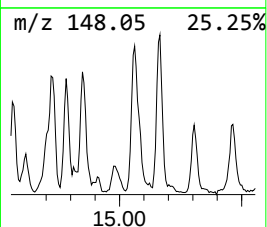
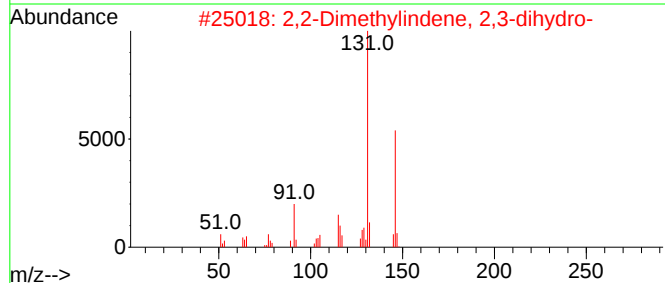
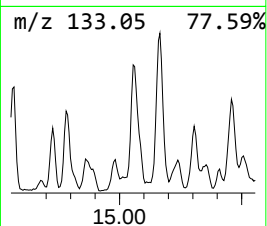
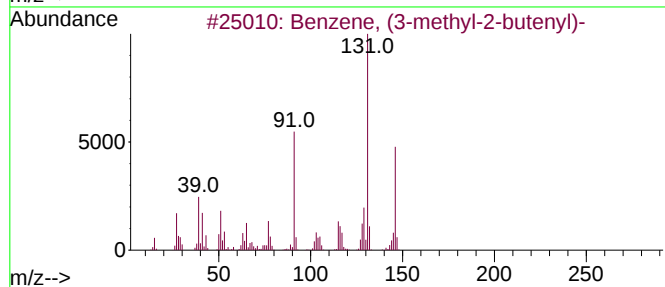
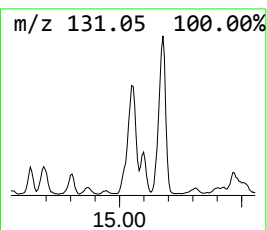
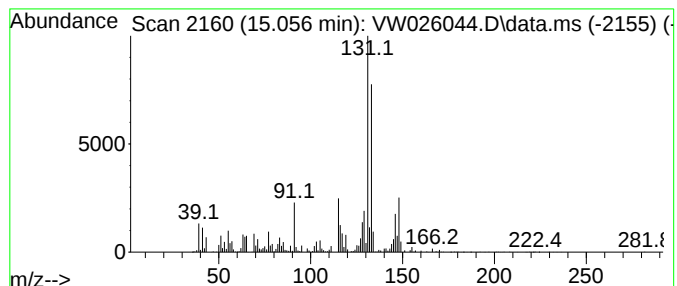
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Quant Title : SFAM01.0

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

Peak Number 67 Benzene, (3-methyl-2-butenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	17.91 ug/L	868246	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
3			2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	55
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

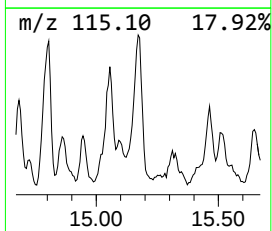
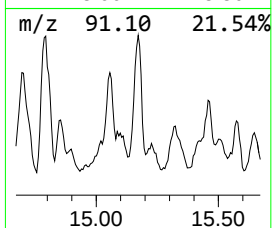
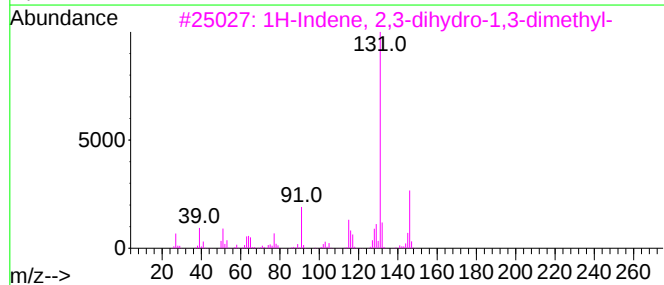
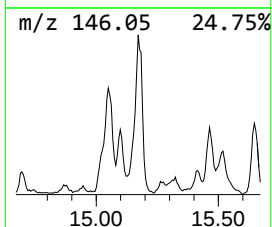
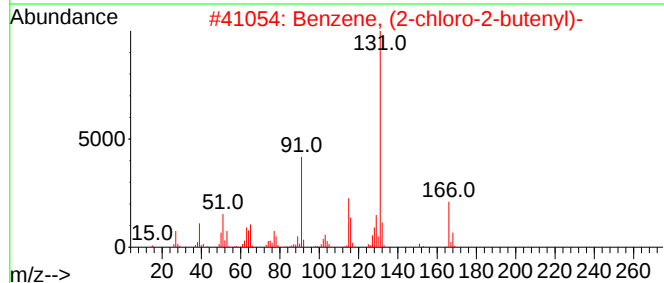
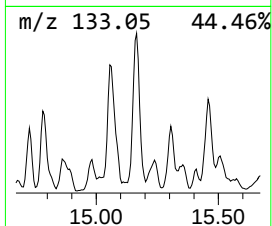
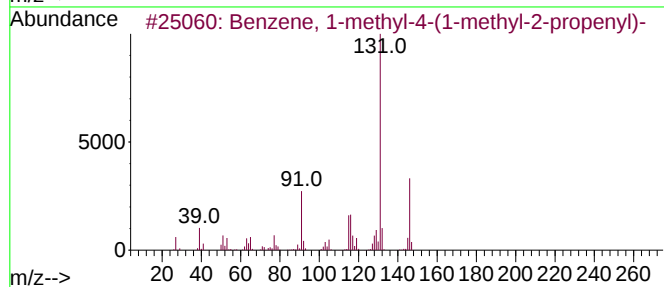
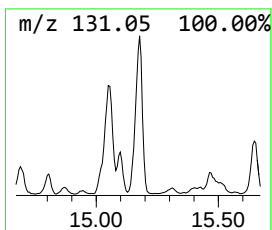
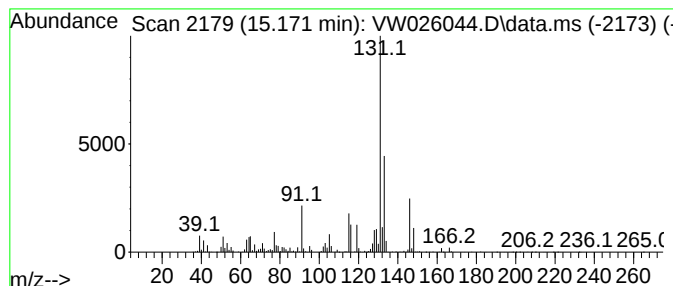
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Quant Title : SFAM01.0

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

Peak Number 68 Benzene, 1-methyl-4-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.172	29.16 ug/L	1413800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
2			Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	70
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4			1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	64
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

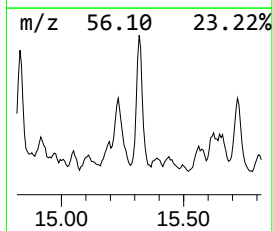
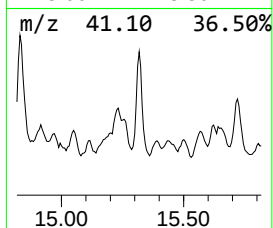
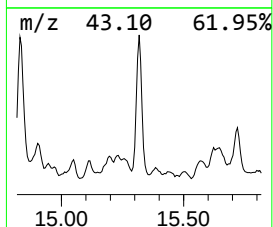
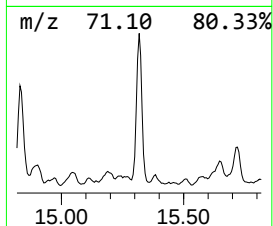
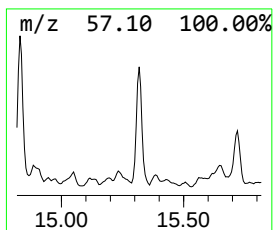
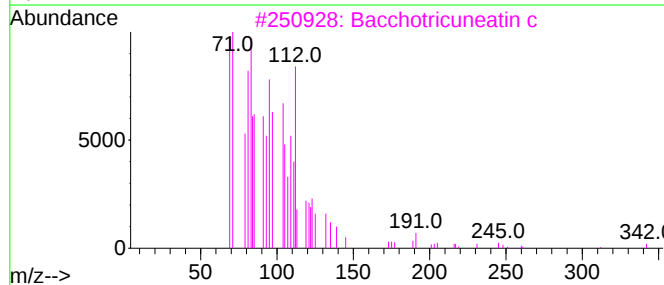
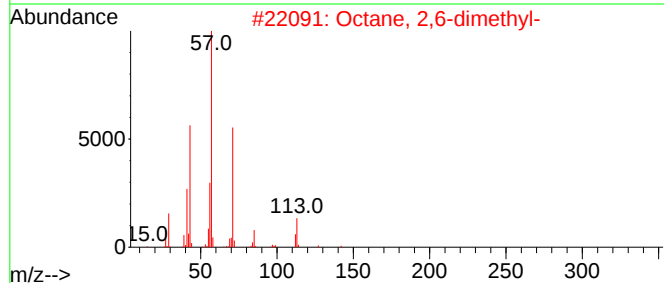
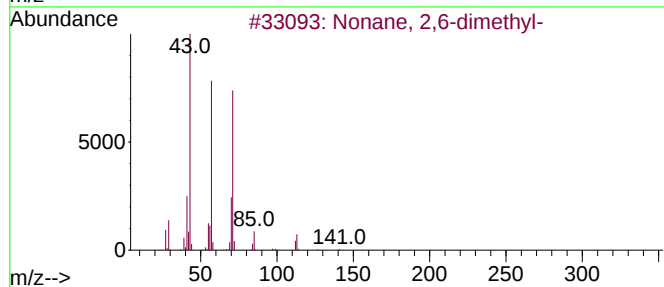
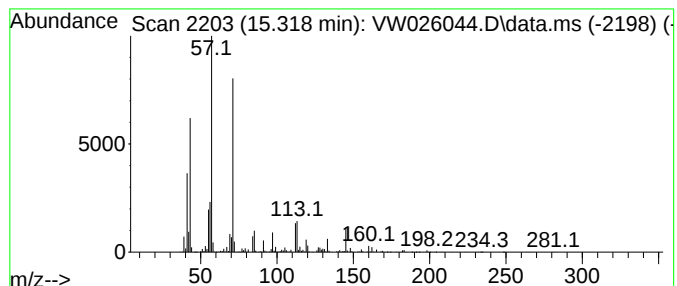
Instrument :
MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.318	32.68 ug/L	1584600	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	64
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64
3	Bacchotricuneatin c		342	C20H22O5	066563-30-2	64
4	Dodecane, 4,6-dimethyl-		198	C14H30	061141-72-8	62
5	Tridecane, 7-methyl-		198	C14H30	026730-14-3	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

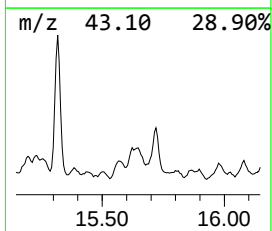
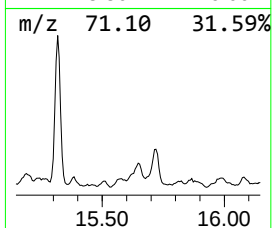
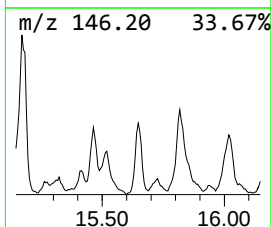
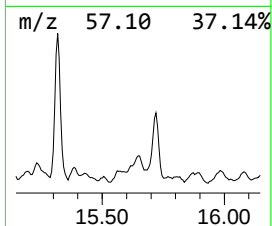
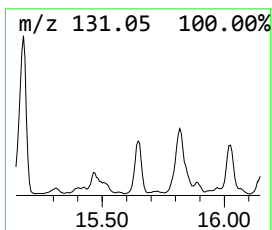
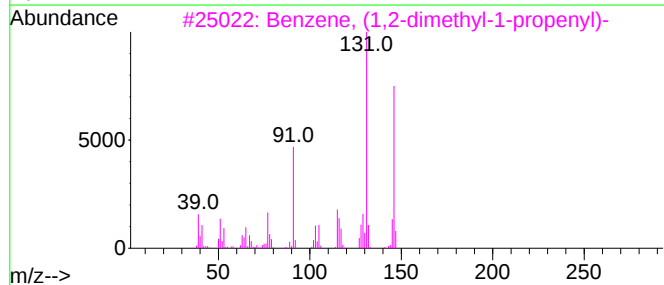
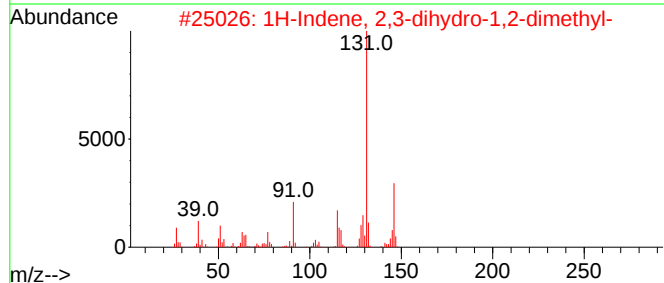
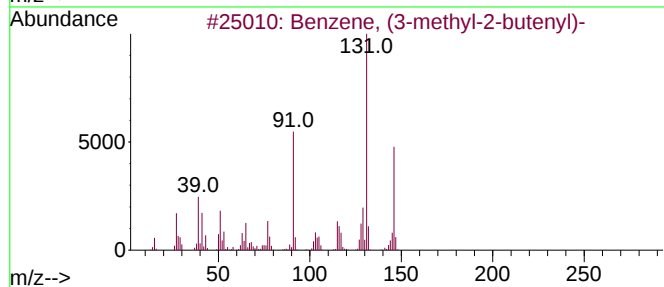
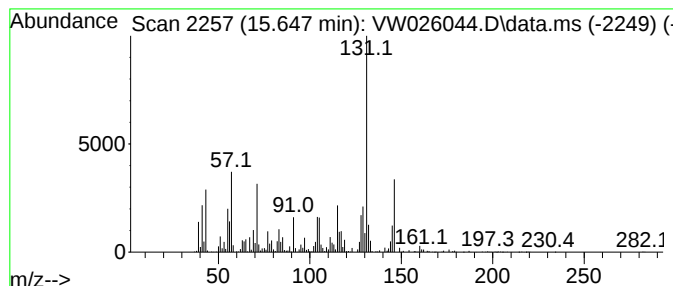
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Quant Title : SFAM01.0

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

Peak Number 70 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	23.54 ug/L	1141360	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

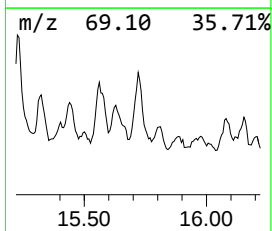
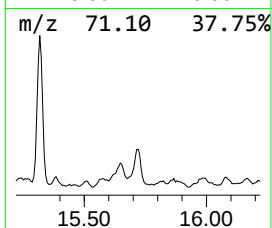
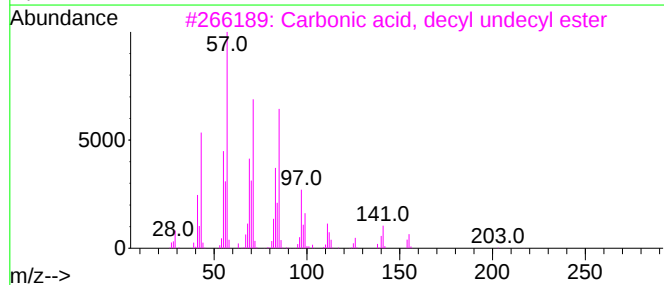
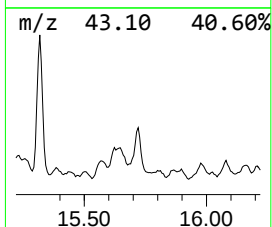
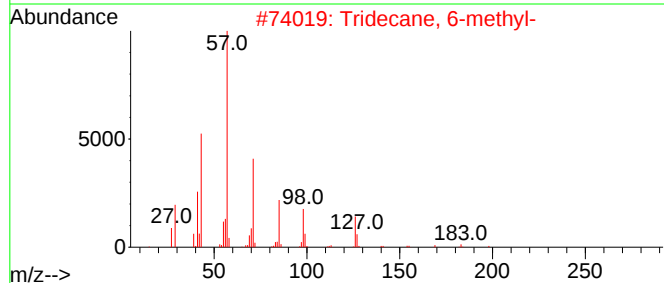
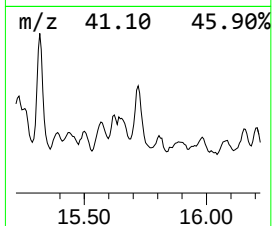
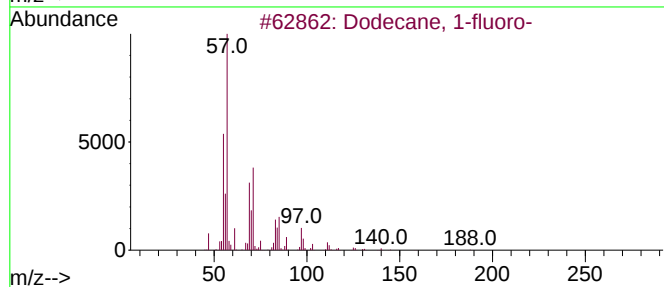
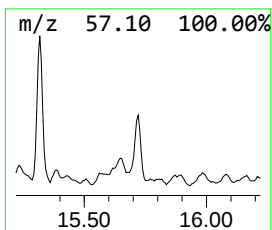
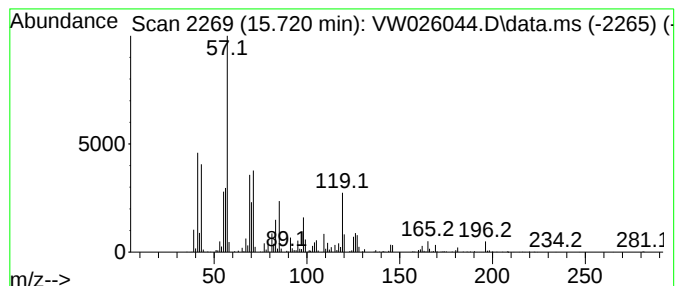
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Quant Title : SFAM01.0

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

Peak Number 71 Dodecane, 1-fluoro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	19.00 ug/L	921377	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	50
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
3			Carbonic acid, decyl undecyl ester	356	C22H44O3	1000383-16-0	47
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

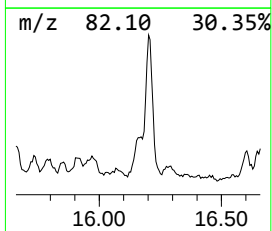
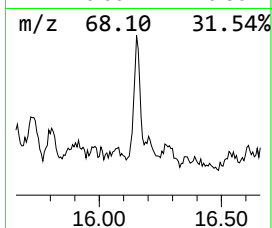
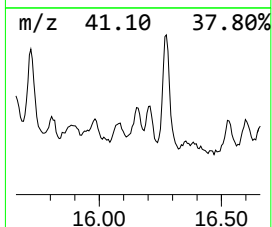
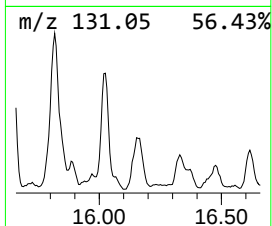
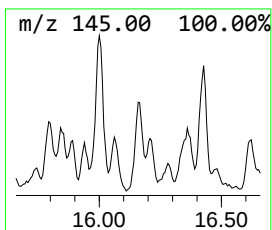
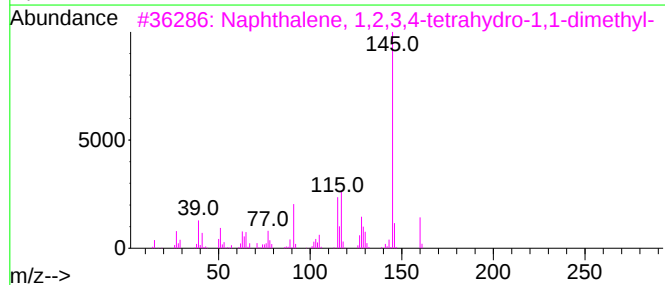
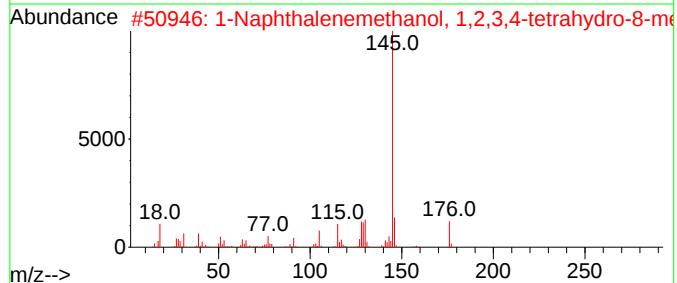
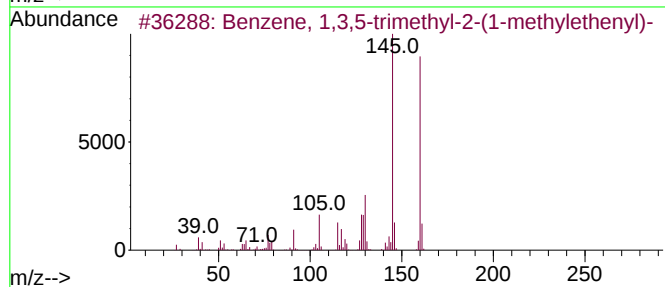
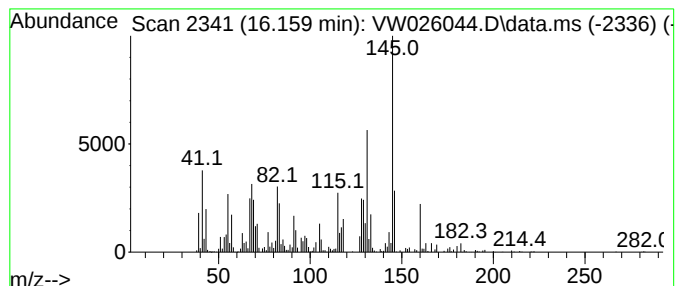
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Quant Title : SFAM01.0

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

Peak Number 72 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.159	10.46 ug/L	507216	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2			1-Naphthalenemethanol, 1,2,3,4-t...	176	C12H16O	036052-28-5	60
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	53
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	52
5			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

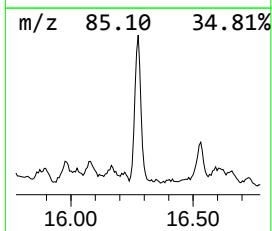
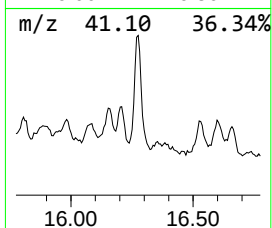
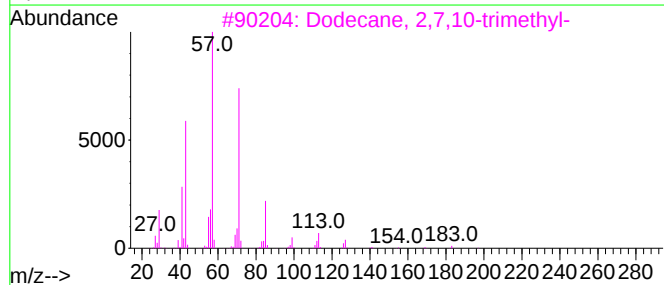
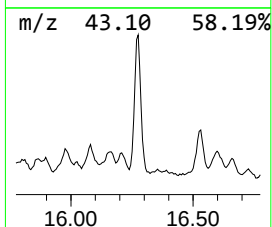
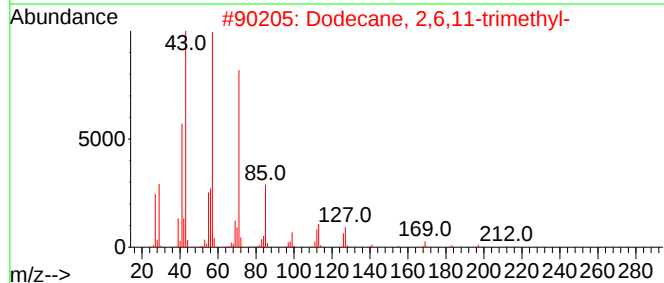
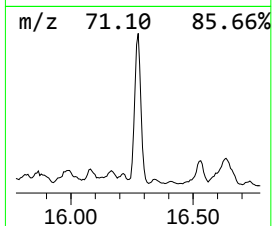
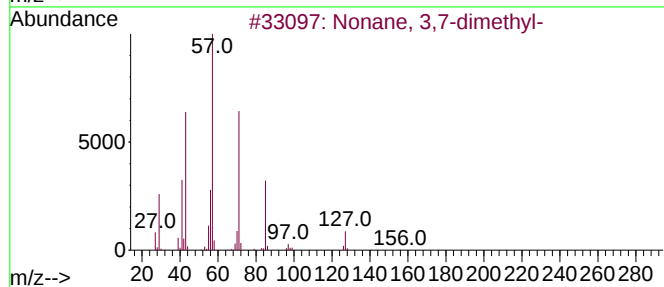
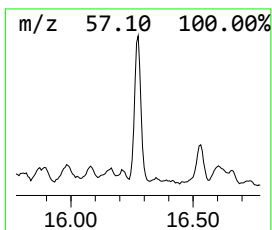
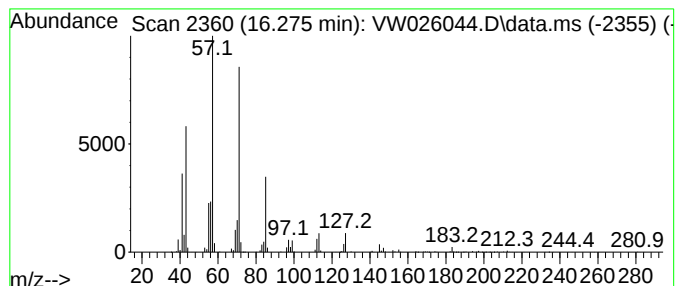
Instrument :
MSVOA_W
ClientSampleId :
EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.275	23.81 ug/L	1154240	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	90
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

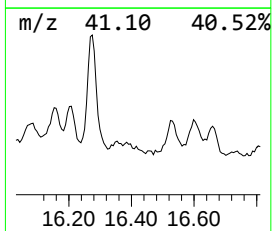
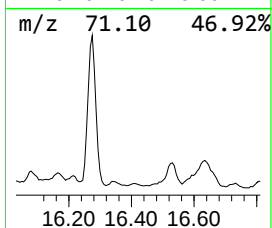
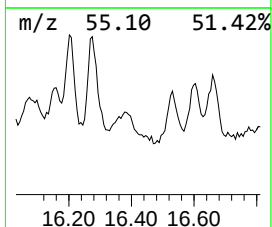
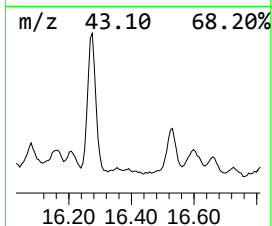
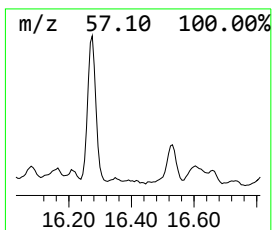
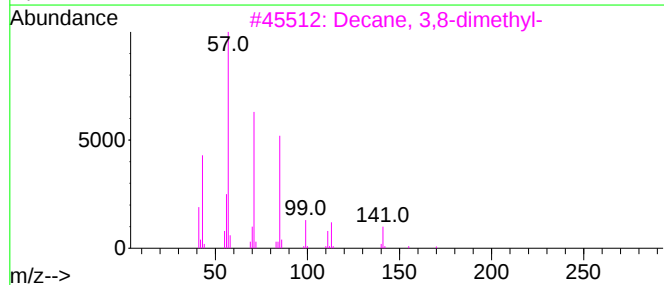
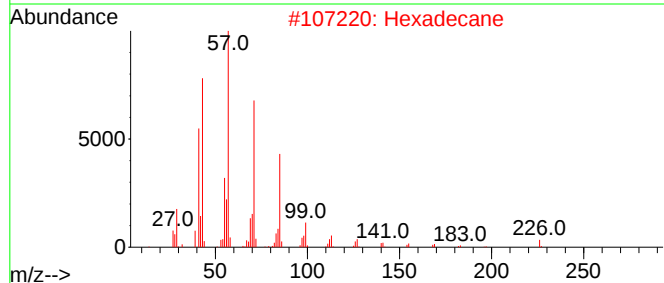
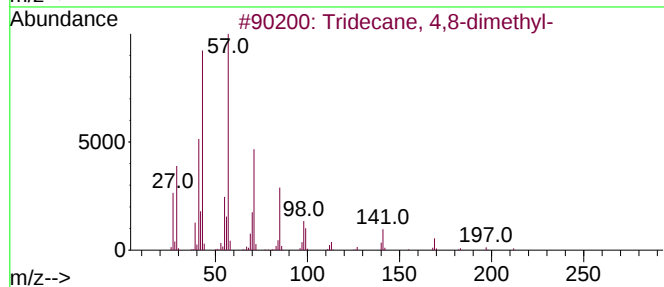
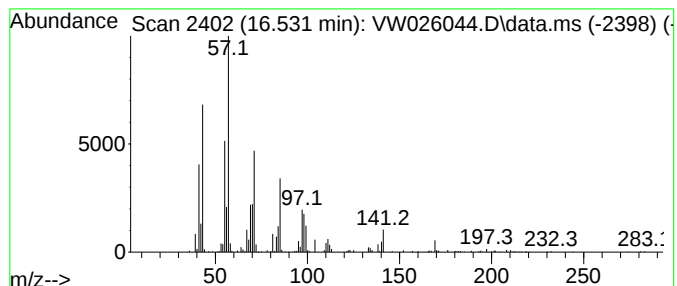
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Quant Title : SFAM01.0

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

Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.531	4.82 ug/L	233715	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	72
2			Hexadecane	226	C16H34	000544-76-3	59
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
4			Eicosane, 2-methyl-	296	C21H44	001560-84-5	53
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026044.D
Acq On : 25 May 2023 16:38
Operator : SY/MD
Sample : 02950-09
Misc : 3.47g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW986

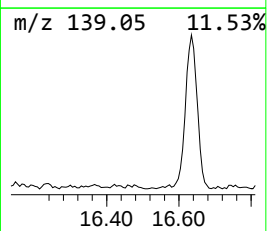
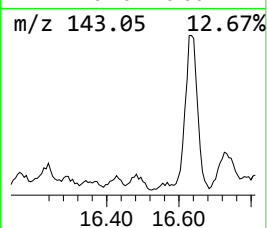
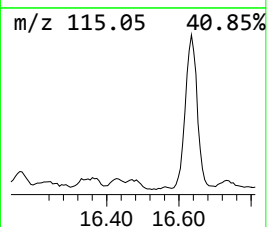
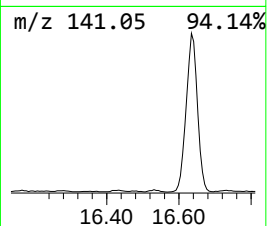
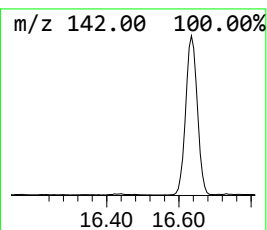
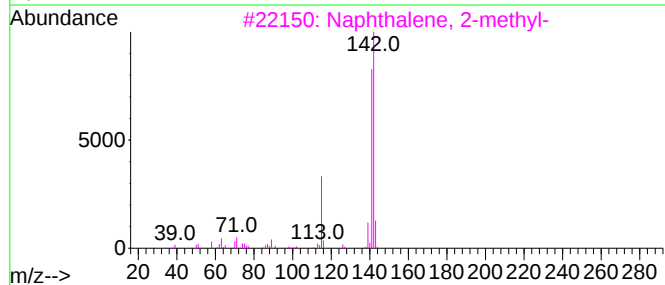
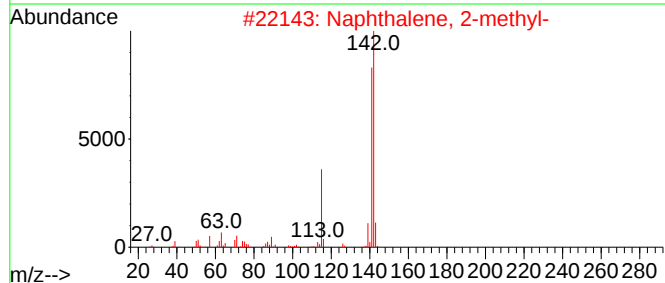
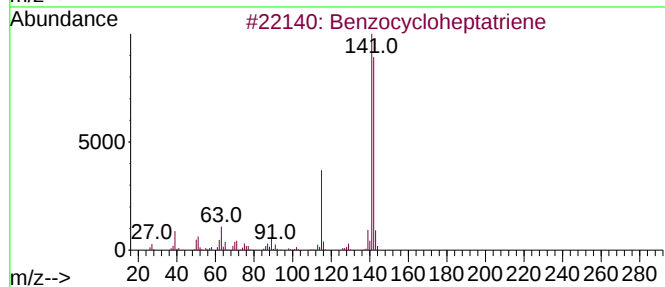
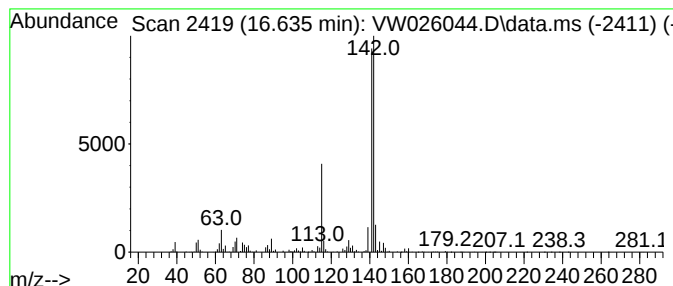
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Quant Title : SFAM01.0

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

Peak Number 75 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.635	54.03 ug/L	2619800	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzocycloheptatriene	142	C11H10	000264-09-5	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026044.D
 Acq On : 25 May 2023 16:38
 Operator : SY/MD
 Sample : 02950-09
 Misc : 3.47g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.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...	5.941	1.7	ug/L	130442	1	8.843	1929500	25.0
(DEL) Alkane: C...	6.984	2.1	ug/L	162657	1	8.843	1929500	25.0
(DEL) Alkane: S...	8.032	3.6	ug/L	276102	1	8.843	1929500	25.0
(DEL) Alkane: S...	8.154	2.3	ug/L	178088	1	8.843	1929500	25.0
(DEL) Alkane: C...	8.435	7.1	ug/L	546166	1	8.843	1929500	25.0
(DEL) Alkane: C...	8.502	7.3	ug/L	560663	1	8.843	1929500	25.0
(DEL) Alkane: C...	8.575	8.5	ug/L	653166	1	8.843	1929500	25.0
(DEL) Alkane: C...	9.514	4.8	ug/L	373256	1	8.843	1929500	25.0
(DEL) Alkane: C...	9.605	8.0	ug/L	614143	1	8.843	1929500	25.0
(DEL) Alkane: C...	9.752	11.7	ug/L	900654	1	8.843	1929500	25.0
Cyclobutane, (1...	9.849	2.1	ug/L	161183	1	8.843	1929500	25.0
(DEL) Alkane: S...	9.892	4.9	ug/L	379309	1	8.843	1929500	25.0
(DEL) Alkane: S...	9.941	2.1	ug/L	162430	1	8.843	1929500	25.0
(DEL) Alkane: S...	10.075	2.9	ug/L	222873	1	8.843	1929500	25.0
Oxalic acid, is...	10.124	2.1	ug/L	164545	1	8.843	1929500	25.0
1,4-Hexadiene, ...	10.203	2.2	ug/L	170262	1	8.843	1929500	25.0
unknown-01	10.239	2.3	ug/L	182951	2	11.629	1961180	25.0
(DEL) Alkane: C...	10.447	4.4	ug/L	347237	2	11.629	1961180	25.0
1,2-Cyclohexane...	10.502	17.9	ug/L	1401930	2	11.629	1961180	25.0
(DEL) Alkane: C...	10.660	12.3	ug/L	966478	2	11.629	1961180	25.0
(DEL) Alkane: C...	10.758	11.4	ug/L	897805	2	11.629	1961180	25.0
(DEL) Alkane: S...	10.843	3.7	ug/L	287108	2	11.629	1961180	25.0
(DEL) Alkane: S...	11.032	10.3	ug/L	803743	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.099	6.1	ug/L	475235	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.142	2.7	ug/L	214775	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.178	14.1	ug/L	1105770	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.227	17.5	ug/L	1372510	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.282	2.1	ug/L	168443	2	11.629	1961180	25.0
(DEL) Alkane: S...	11.331	8.1	ug/L	637901	2	11.629	1961180	25.0
(DEL) Alkane: S...	11.380	1.8	ug/L	140363	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.434	9.4	ug/L	736522	2	11.629	1961180	25.0
(DEL) Alkane: S...	11.501	2.5	ug/L	199883	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.556	2.0	ug/L	156621	2	11.629	1961180	25.0
Pentalene, octa...	11.721	2.0	ug/L	158144	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.764	2.6	ug/L	203064	2	11.629	1961180	25.0
(DEL) Alkane: C...	11.910	10.2	ug/L	801164	2	11.629	1961180	25.0
(DEL) Alkane: S...	11.971	2.8	ug/L	215543	2	11.629	1961180	25.0
(DEL) Alkane: S...	12.050	4.3	ug/L	338576	2	11.629	1961180	25.0
(DEL) Alkane: C...	12.135	18.9	ug/L	1481410	2	11.629	1961180	25.0
(DEL) Alkane: S...	12.245	18.8	ug/L	1478320	2	11.629	1961180	25.0
(DEL) Alkane: S...	12.361	50.7	ug/L	3975810	2	11.629	1961180	25.0
(DEL) Alkane: S...	12.538	10.0	ug/L	783152	2	11.629	1961180	25.0
unknown-02	12.611	6.5	ug/L	314500	3	13.556	1212100	25.0
(DEL) Alkane: S...	12.775	25.1	ug/L	1218930	3	13.556	1212100	25.0
(DEL) Alkane: S...	12.855	12.5	ug/L	606993	3	13.556	1212100	25.0
(DEL) Alkane: C...	12.934	42.4	ug/L	2055200	3	13.556	1212100	25.0
(DEL) Alkane: C...	12.989	12.0	ug/L	580582	3	13.556	1212100	25.0
(DEL) Alkane: S...	13.074	17.4	ug/L	843139	3	13.556	1212100	25.0
Sulfurous acid,...	13.117	8.5	ug/L	410754	3	13.556	1212100	25.0
(DEL) Alkane: S...	13.160	34.9	ug/L	1693460	3	13.556	1212100	25.0
(DEL) Alkane: S...	13.342	9.4	ug/L	453824	3	13.556	1212100	25.0
(DEL) Alkane: C...	13.440	21.3	ug/L	1032200	3	13.556	1212100	25.0

(DEL) Alkane: S...	13.690	8.0	ug/L	388105	3	13.556	1212100	25.0
Indane	13.757	13.0	ug/L	631809	3	13.556	1212100	25.0
1-Octanol, 2-bu...	14.013	7.8	ug/L	378032	3	13.556	1212100	25.0
Benzene, 2-ethy...	14.092	20.1	ug/L	972714	3	13.556	1212100	25.0
(DEL) Alkane: S...	14.129	13.3	ug/L	646919	3	13.556	1212100	25.0
Benzene, (2-met...	14.202	26.1	ug/L	1265690	3	13.556	1212100	25.0
unknown-03	14.257	8.9	ug/L	433966	3	13.556	1212100	25.0
(DEL) Alkane: C...	14.379	30.6	ug/L	1484090	3	13.556	1212100	25.0
Naphthalene, de...	14.544	16.3	ug/L	791288	3	13.556	1212100	25.0
1H-Indene, 2,3-...	14.684	7.2	ug/L	347474	3	13.556	1212100	25.0
unknown-04	14.726	8.9	ug/L	433292	3	13.556	1212100	25.0
Benzene, 1,2,4,...	14.787	36.4	ug/L	1765240	3	13.556	1212100	25.0
(DEL) Alkane: S...	14.830	35.2	ug/L	1708610	3	13.556	1212100	25.0
Benzene, (3-met...	15.056	17.9	ug/L	868246	3	13.556	1212100	25.0
Benzene, 1-meth...	15.172	29.2	ug/L	1413800	3	13.556	1212100	25.0
(DEL) Alkane: S...	15.318	32.7	ug/L	1584600	3	13.556	1212100	25.0
1H-Indene, 2,3-...	15.647	23.5	ug/L	1141360	3	13.556	1212100	25.0
Dodecane, 1-flu...	15.720	19.0	ug/L	921377	3	13.556	1212100	25.0
Benzene, 1,3,5-...	16.159	10.5	ug/L	507216	3	13.556	1212100	25.0
(DEL) Alkane: S...	16.275	23.8	ug/L	1154240	3	13.556	1212100	25.0
(DEL) Alkane: S...	16.531	4.8	ug/L	233715	3	13.556	1212100	25.0
Benzocyclohepta...	16.635	54.0	ug/L	2619800	3	13.556	1212100	25.0

Instrument :

MSVOA_W

ClientSampleId :

EW986