

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026924.D
 Acq On : 26 Aug 2023 03:52
 Operator : SY/MD
 Sample : 04175-03
 Misc : 5.85g/10mL/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYG7

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026924.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.966	8	13	38	rVB4	80943	262183	11.93%	0.957%
2	2.180	42	48	52	rBV	24608	42554	1.94%	0.155%
3	2.357	67	77	90	rBV3	187294	467754	21.28%	1.707%
4	2.899	157	166	178	rBV	66902	199739	9.09%	0.729%
5	3.027	180	187	204	rVB	70233	195753	8.90%	0.714%
6	3.387	238	246	258	rBV2	61415	174469	7.94%	0.637%
7	3.588	273	279	288	rVB2	10428	28383	1.29%	0.104%
8	3.850	316	322	330	rBV3	12888	36884	1.68%	0.135%
9	4.027	340	351	363	rBV	127769	471879	21.46%	1.722%
10	4.393	400	411	426	rBV	34206	117638	5.35%	0.429%
11	4.954	483	503	520	rBV5	99795	515520	23.45%	1.881%
12	5.441	568	583	598	rBV	88956	329774	15.00%	1.203%
13	5.941	656	665	675	rVB2	50110	150564	6.85%	0.549%
14	6.868	808	817	826	rBV4	9727	30897	1.41%	0.113%
15	6.984	827	836	844	rVV2	31903	98606	4.49%	0.360%
16	7.075	844	851	873	rVV2	91475	329401	14.98%	1.202%
17	7.526	914	925	932	rBV2	11188	30944	1.41%	0.113%
18	7.648	932	945	963	rBV2	343352	1027360	46.73%	3.749%
19	7.850	970	978	983	rVV4	16194	41562	1.89%	0.152%
20	7.923	983	990	1001	rVV4	88821	318466	14.49%	1.162%
21	8.032	1001	1008	1019	rVV2	63529	182821	8.32%	0.667%
22	8.154	1019	1028	1036	rVV	177822	403886	18.37%	1.474%
23	8.276	1038	1048	1066	rVV2	727372	2198501	100.00%	8.022%
24	8.423	1066	1072	1080	rVV4	44579	113197	5.15%	0.413%
25	8.508	1080	1086	1092	rVV3	16878	43882	2.00%	0.160%
26	8.569	1092	1096	1105	rVB5	24822	65033	2.96%	0.237%
27	8.691	1108	1116	1129	rVB	45902	100748	4.58%	0.368%
28	8.843	1131	1141	1153	rBV	752822	1551824	70.59%	5.663%
29	9.081	1171	1180	1190	rBV	166621	356036	16.19%	1.299%
30	9.276	1204	1212	1218	rVV	559597	1188729	54.07%	4.338%
31	9.331	1218	1221	1227	rVV	115624	228090	10.37%	0.832%
32	9.380	1227	1229	1238	rVB	29162	48582	2.21%	0.177%
33	9.514	1240	1251	1258	rBV	38059	86641	3.94%	0.316%
34	9.611	1258	1267	1272	rBV4	17898	42171	1.92%	0.154%
35	9.691	1272	1280	1284	rBV4	20635	46949	2.14%	0.171%
36	9.746	1284	1289	1295	rVV2	48373	92395	4.20%	0.337%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	9.807	1295	1299	1303	rVV4	15190	28733	1.31%	0.105%
38	9.898	1310	1314	1318	rVV3	29960	56736	2.58%	0.207%
39	9.953	1318	1323	1327	rVV4	69825	146336	6.66%	0.534%
40	9.989	1327	1329	1332	rVV	44968	56114	2.55%	0.205%

41	10.038	1332	1337	1340	rVV	52894	97002	4.41%	0.354%
42	10.093	1340	1346	1358	rVB2	104819	303166	13.79%	1.106%
43	10.319	1376	1383	1390	rBV	846422	1586374	72.16%	5.789%
44	10.386	1390	1394	1400	rVB	81152	152871	6.95%	0.558%
45	10.502	1406	1413	1419	rVB3	78102	165125	7.51%	0.603%

46	10.581	1419	1426	1435	rBV	60824	134834	6.13%	0.492%
47	10.666	1435	1440	1447	rVB2	45070	79188	3.60%	0.289%
48	10.751	1448	1454	1464	rVB6	29306	72159	3.28%	0.263%
49	10.849	1464	1470	1474	rVB2	18966	33371	1.52%	0.122%
50	10.922	1475	1482	1490	rBV	234707	434209	19.75%	1.584%

51	11.111	1508	1513	1515	rBV3	20584	38644	1.76%	0.141%
52	11.136	1515	1517	1520	rVV4	26816	42480	1.93%	0.155%
53	11.178	1520	1524	1528	rVV	73356	126231	5.74%	0.461%
54	11.227	1528	1532	1537	rVV	104302	189575	8.62%	0.692%
55	11.282	1537	1541	1545	rVV5	27699	54641	2.49%	0.199%

56	11.331	1545	1549	1553	rVV3	39549	69161	3.15%	0.252%
57	11.410	1553	1562	1573	rVB4	62471	266545	12.12%	0.973%
58	11.507	1573	1578	1583	rBV	70980	121908	5.55%	0.445%
59	11.629	1591	1598	1608	rBV	878641	1438762	65.44%	5.250%
60	11.727	1608	1614	1618	rBV3	45032	85668	3.90%	0.313%

61	11.837	1623	1632	1635	rBV4	94361	220058	10.01%	0.803%
62	11.867	1635	1637	1642	rVB2	40978	61154	2.78%	0.223%
63	12.013	1657	1661	1665	rBV4	23387	46532	2.12%	0.170%
64	12.135	1673	1681	1693	rBV6	97511	328853	14.96%	1.200%
65	12.245	1693	1699	1704	rVB3	52875	112908	5.14%	0.412%

66	12.361	1704	1718	1729	rBV5	200127	738869	33.61%	2.696%
67	12.471	1730	1736	1740	rVV	161371	303003	13.78%	1.106%
68	12.513	1741	1743	1749	rVV5	57118	107161	4.87%	0.391%
69	12.562	1749	1751	1755	rVB2	45657	51130	2.33%	0.187%
70	12.617	1755	1760	1762	rBV4	29763	53528	2.43%	0.195%

71	12.690	1766	1772	1782	rVB2	345759	791866	36.02%	2.890%
72	12.776	1782	1786	1793	rVB5	129457	239405	10.89%	0.874%
73	12.861	1793	1800	1804	rBV6	72183	163343	7.43%	0.596%
74	12.916	1804	1809	1823	rVB	557289	1230670	55.98%	4.491%
75	13.038	1823	1829	1834	rBV5	183133	375470	17.08%	1.370%

76	13.160	1845	1849	1859	rVB6	105054	235960	10.73%	0.861%
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 Title : SFAM01.0

77	13.251	1860	1864	1868	rBV3	69436	124106	5.65%	0.453%
78	13.379	1882	1885	1889	rBV4	28465	41911	1.91%	0.153%
79	13.440	1889	1895	1899	rVV3	161807	320588	14.58%	1.170%
80	13.489	1899	1903	1909	rVV4	85185	181122	8.24%	0.661%
81	13.556	1909	1914	1922	rVB2	544926	932688	42.42%	3.403%
82	13.623	1922	1925	1927	rBV3	24909	33527	1.52%	0.122%
83	13.690	1932	1936	1941	rBB3	40502	63401	2.88%	0.231%
84	13.855	1956	1963	1971	rBV3	480029	1174218	53.41%	4.285%
85	14.013	1985	1989	1993	rBV6	35236	54220	2.47%	0.198%
86	14.202	2014	2020	2024	rBV4	70755	140101	6.37%	0.511%
87	14.257	2025	2029	2035	rVB6	53863	97312	4.43%	0.355%
88	14.336	2035	2042	2045	rBV6	60054	138016	6.28%	0.504%
89	14.379	2045	2049	2053	rVV3	137108	247053	11.24%	0.902%
90	14.415	2053	2055	2059	rVB3	75689	97022	4.41%	0.354%
91	14.495	2064	2068	2071	rBV4	45462	57627	2.62%	0.210%
92	14.543	2071	2076	2082	rVB6	102939	185554	8.44%	0.677%
93	14.726	2102	2106	2111	rVB5	47629	79144	3.60%	0.289%
94	14.787	2111	2116	2121	rBV3	124616	280874	12.78%	1.025%
95	15.056	2156	2160	2164	rVB6	54916	80480	3.66%	0.294%
96	15.110	2164	2169	2173	rBV4	37234	85467	3.89%	0.312%
97	15.165	2174	2178	2185	rVB3	59815	133138	6.06%	0.486%
98	15.318	2198	2203	2208	rBV3	107308	198037	9.01%	0.723%
99	15.726	2266	2270	2276	rVB5	46629	85493	3.89%	0.312%
100	16.275	2356	2360	2368	rVB2	57478	113912	5.18%	0.416%

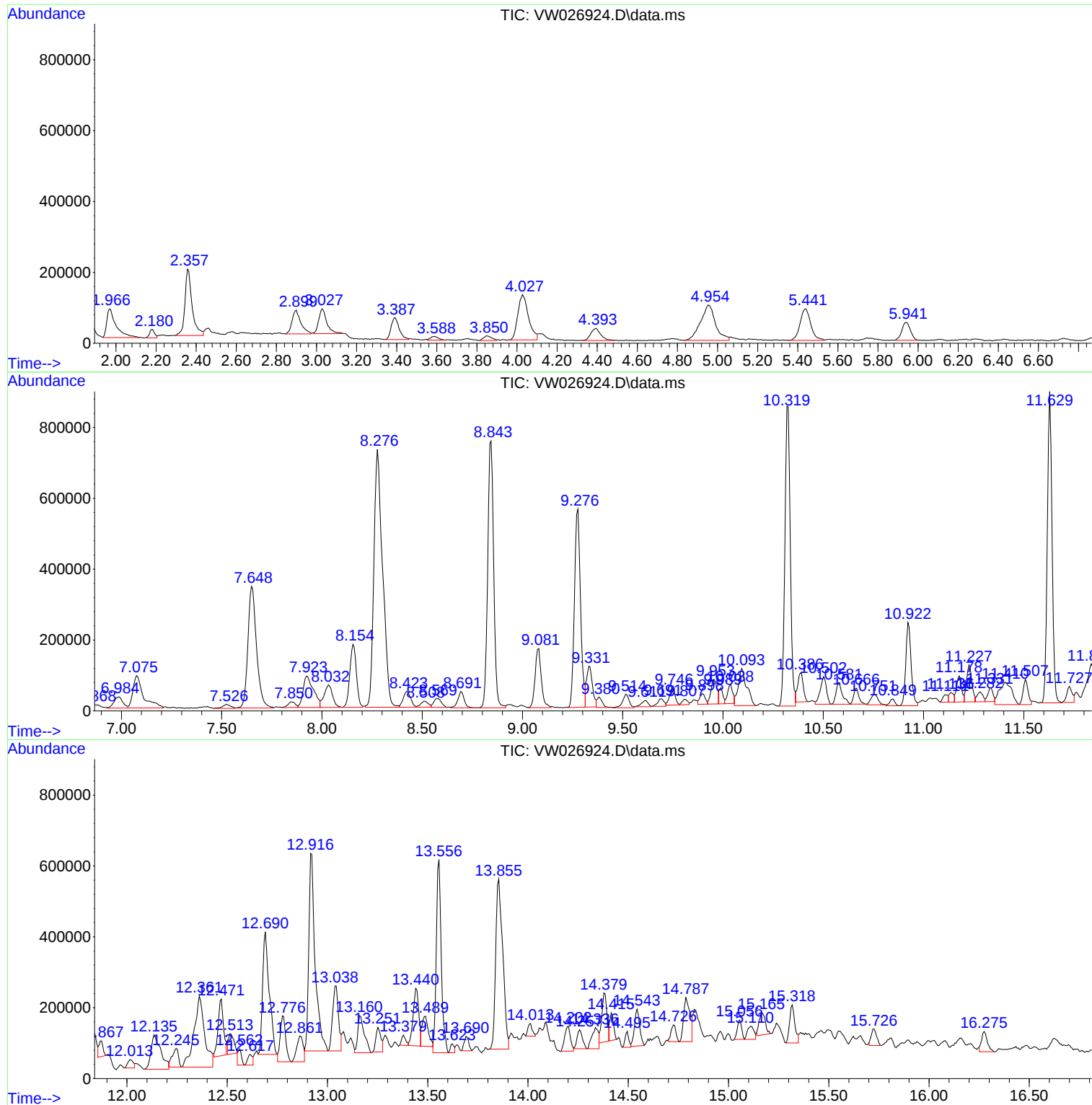
Sum of corrected areas: 27404569

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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



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Instrument :
MSVOA_W
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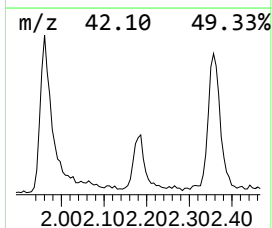
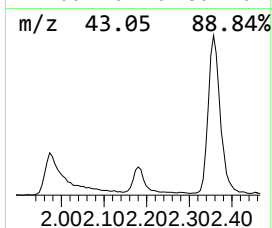
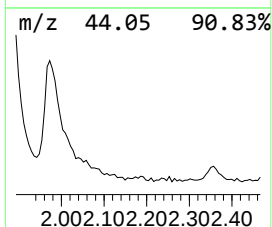
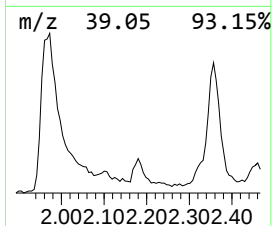
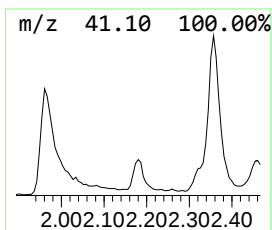
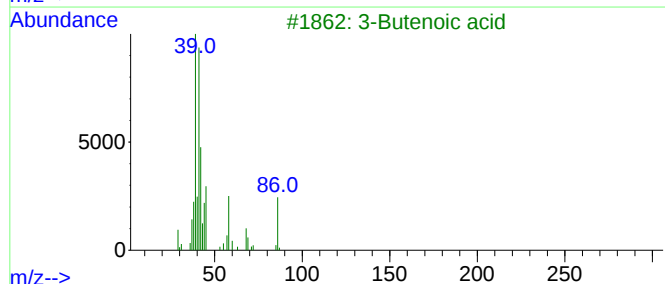
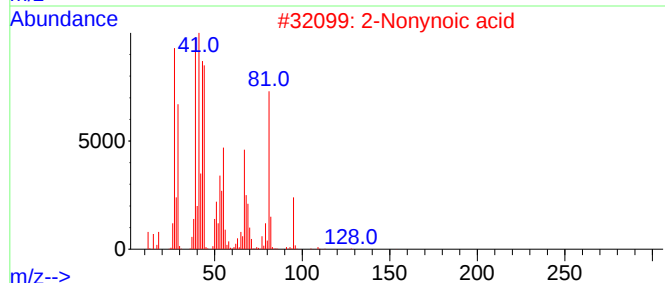
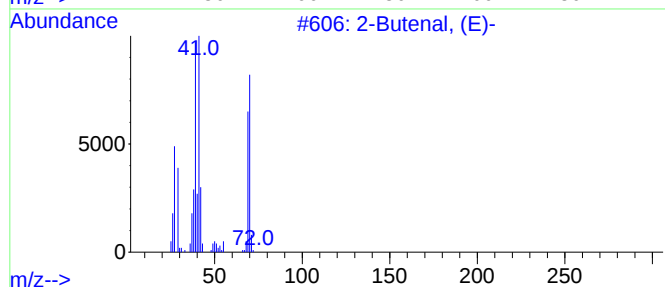
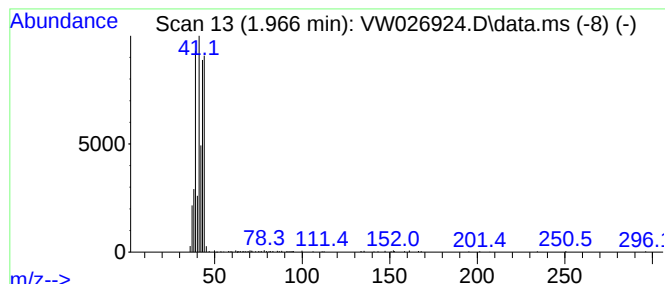
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 2-Butenal, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.966	4.22 ug/L	262183	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, (E)-			70	C4H6O	000123-73-9	64
2	2-Nonynoic acid			154	C9H14O2	001846-70-4	53
3	3-Butenoic acid			86	C4H6O2	000625-38-7	50
4	3-(2,6-Dichlorophenoxy)prop-1-yne			200	C9H6Cl2O	003598-66-1	45
5	Acetoacetic acid, 1-thio-, S-all...			158	C7H10O2S	015780-65-1	38



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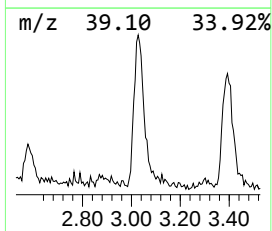
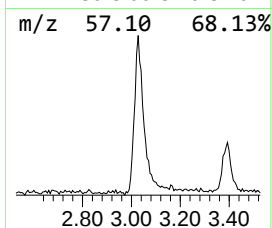
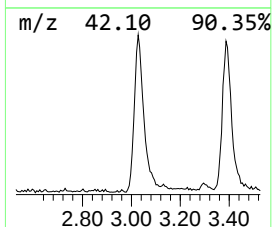
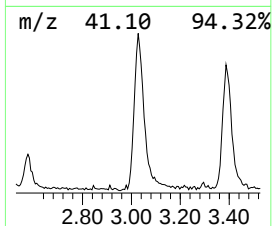
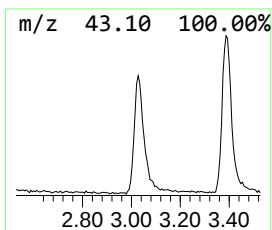
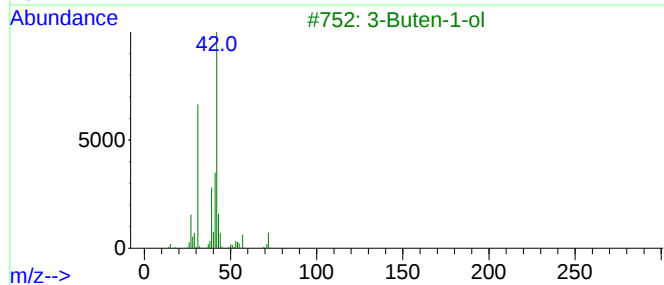
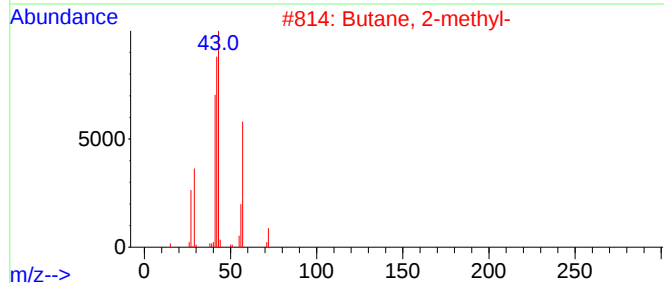
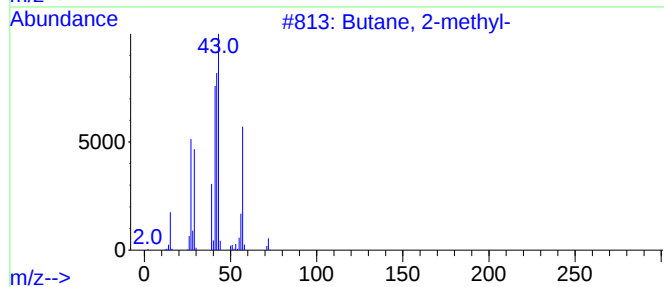
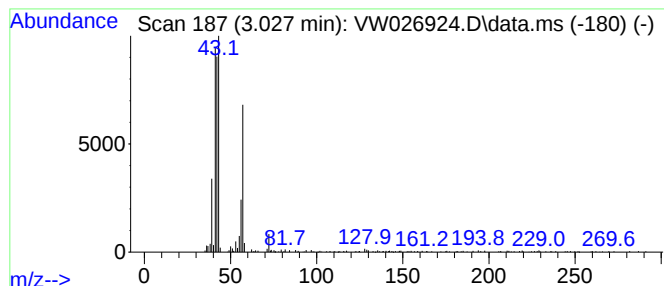
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.027	3.15 ug/L	195753	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methyl-	72	C5H12	000078-78-4	86
2		Butane, 2-methyl-	72	C5H12	000078-78-4	78
3		3-Buten-1-ol	72	C4H8O	000627-27-0	43
4		Pentane	72	C5H12	000109-66-0	36
5		2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28



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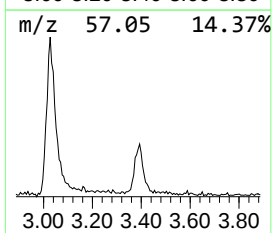
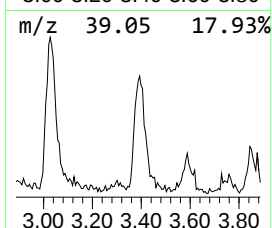
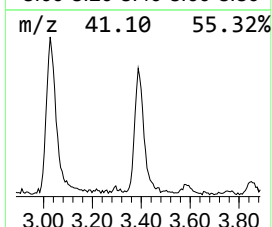
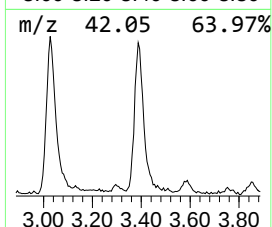
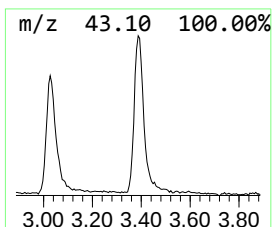
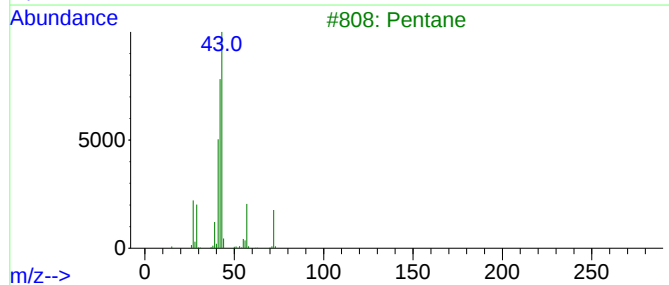
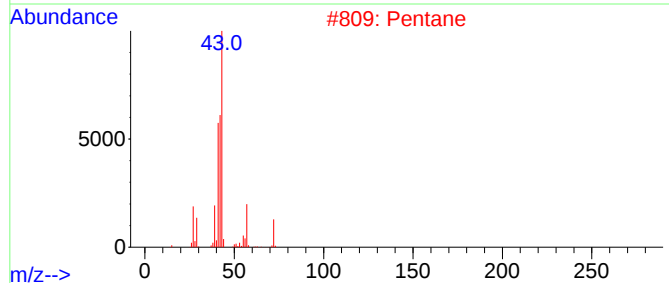
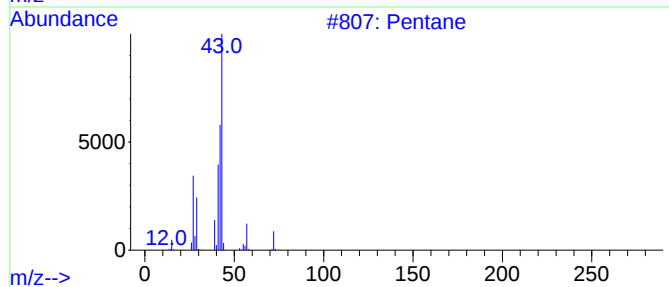
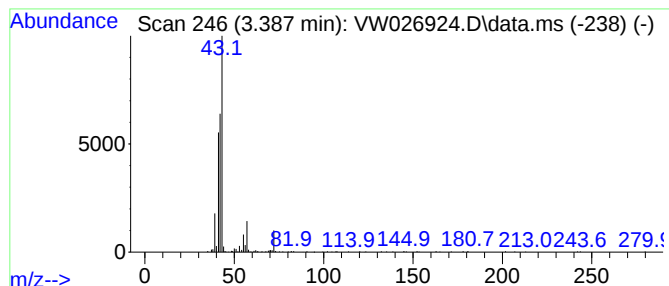
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.387	2.81 ug/L	174469	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	80
2	Pentane			72	C5H12	000109-66-0	59
3	Pentane			72	C5H12	000109-66-0	59
4	Pentane			72	C5H12	000109-66-0	59
5	Butane, 2-methyl-			72	C5H12	000078-78-4	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

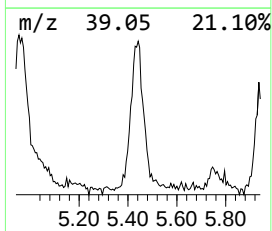
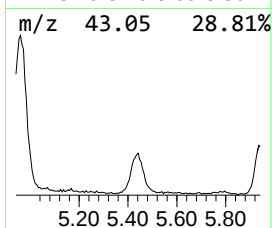
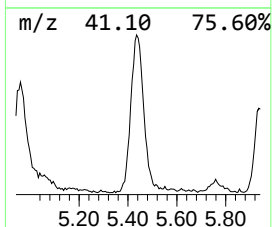
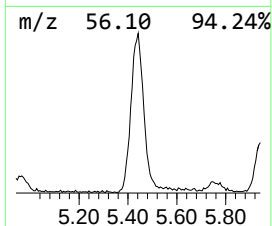
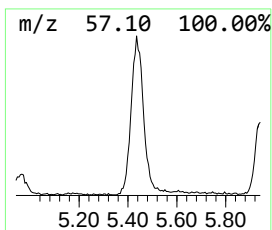
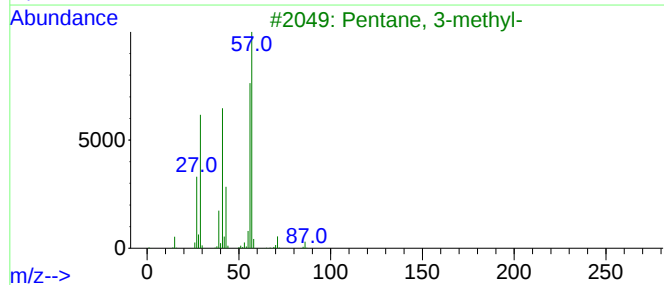
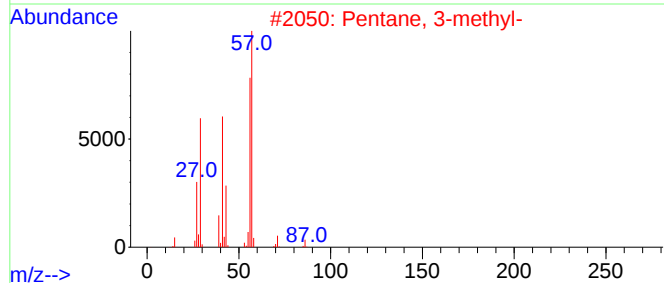
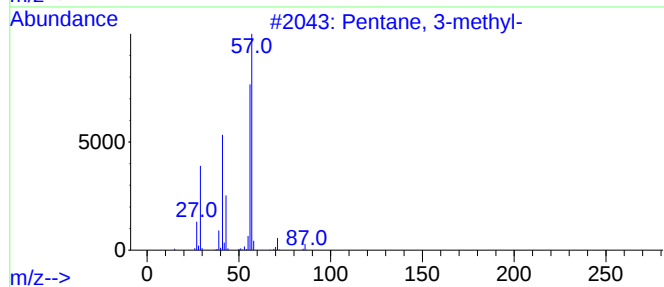
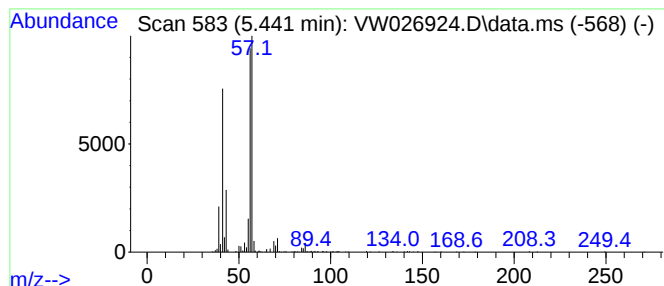
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.441	5.31 ug/L	329774	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
5			1-Hexene, 2-methyl-	98	C7H14	006094-02-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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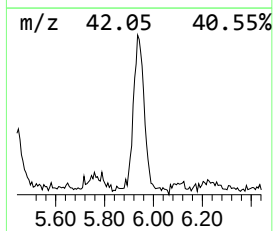
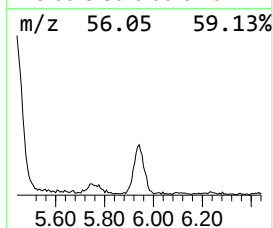
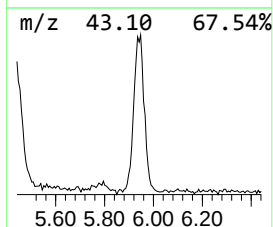
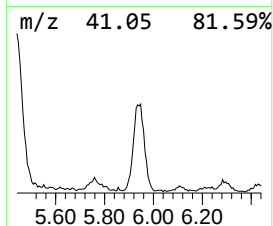
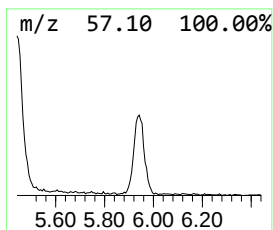
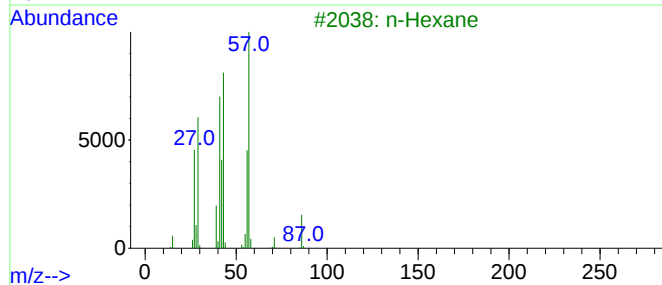
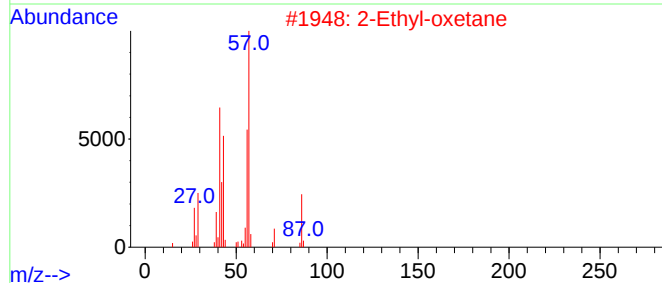
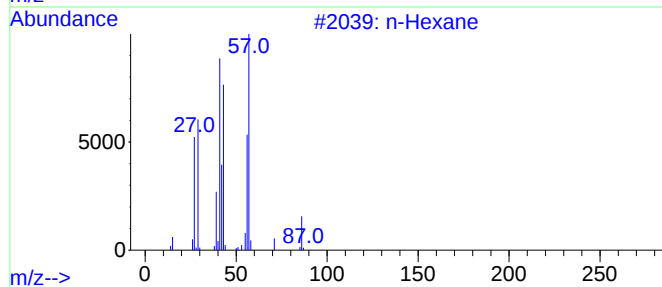
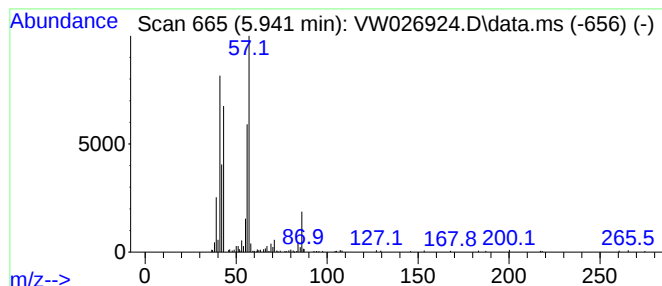
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	2.43 ug/L	150564	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	64
3	n-Hexane			86	C6H14	000110-54-3	64
4	1-Pentene, 4-methyl-			84	C6H12	000691-37-2	59
5	n-Hexane			86	C6H14	000110-54-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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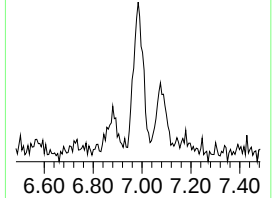
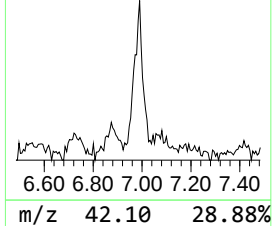
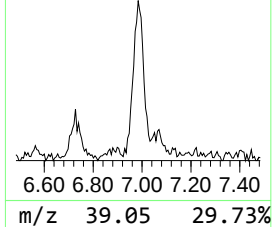
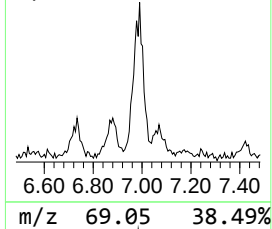
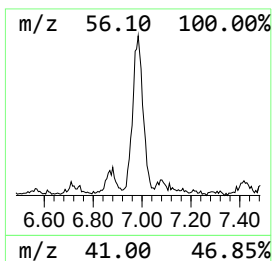
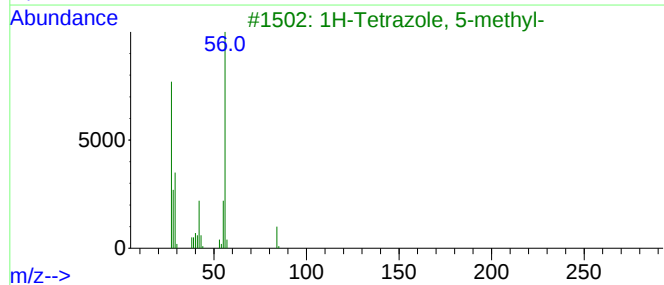
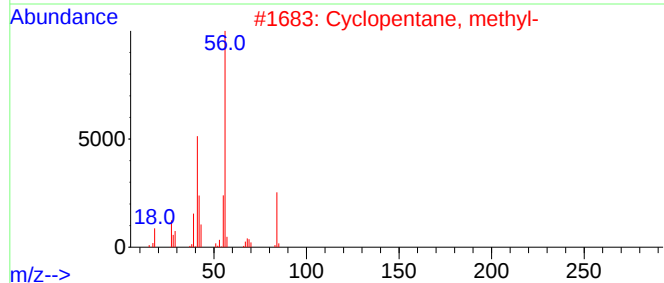
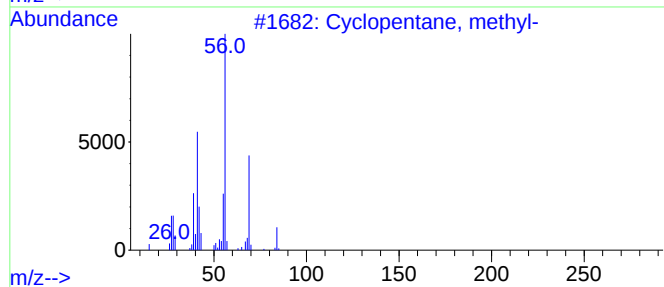
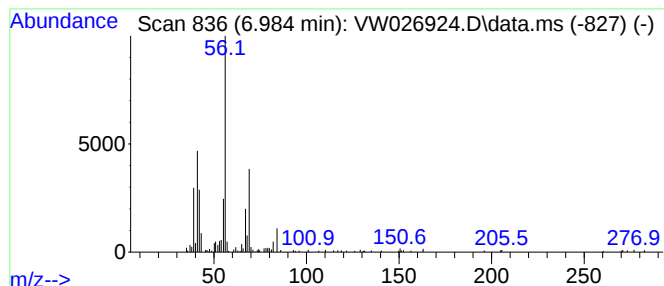
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic6.984 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	1.59 ug/L	98606	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	68
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	59
3			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	58
4			Cyclopentane, methyl-	84	C6H12	000096-37-7	58
5			Cyclopentane, methyl-	84	C6H12	000096-37-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

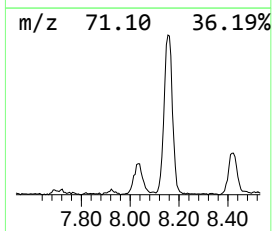
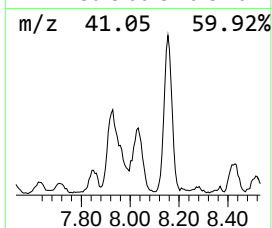
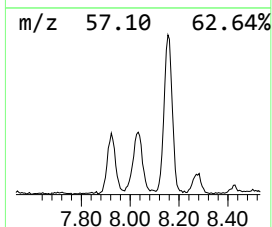
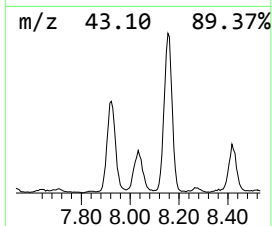
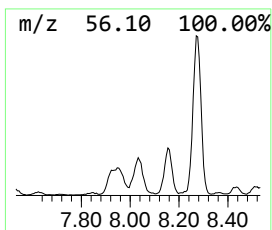
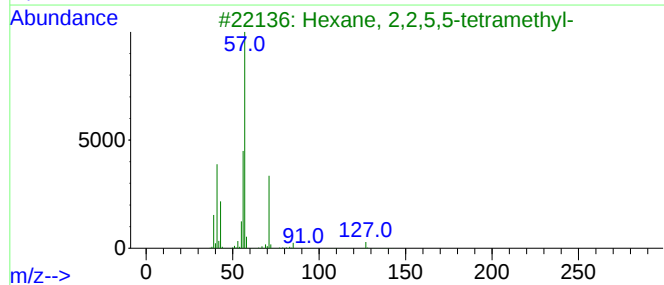
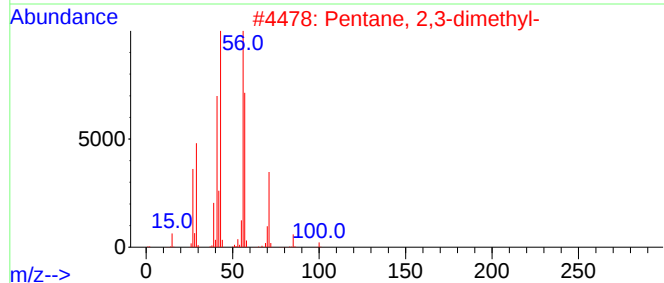
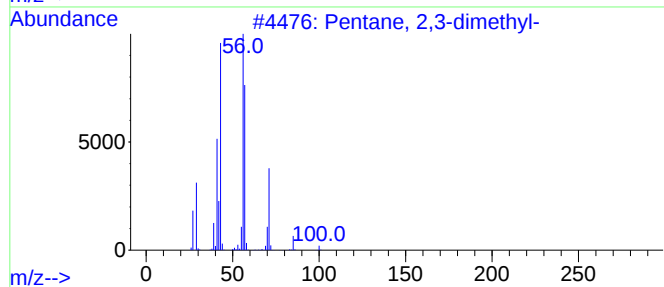
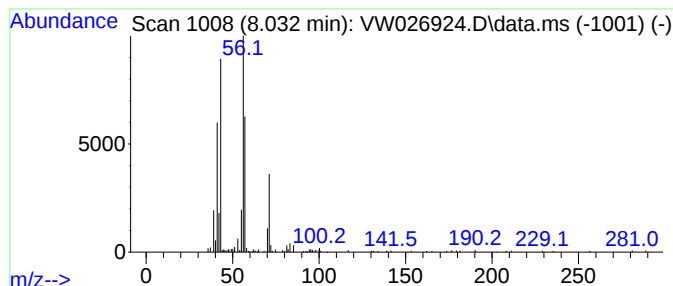
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.032	2.95 ug/L	182821	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

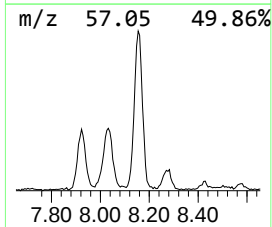
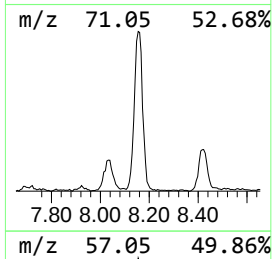
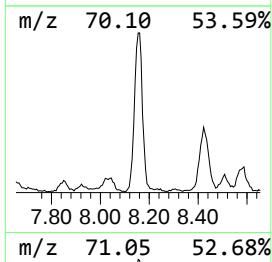
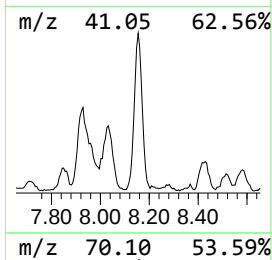
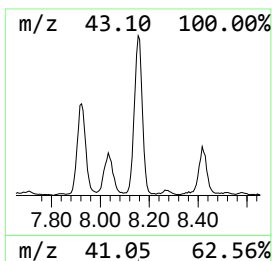
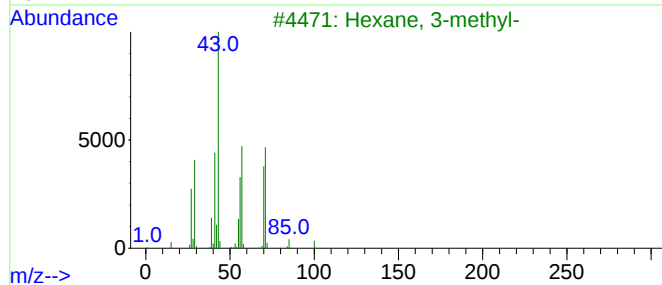
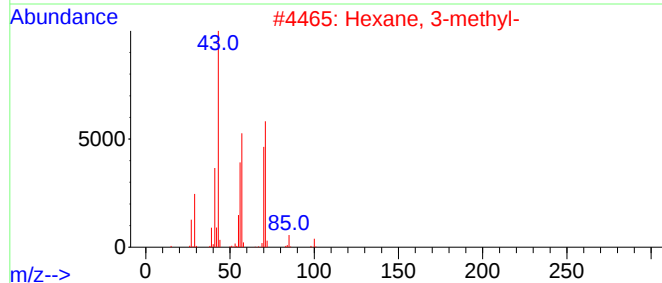
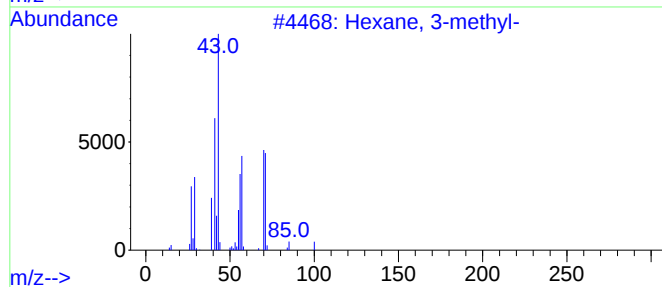
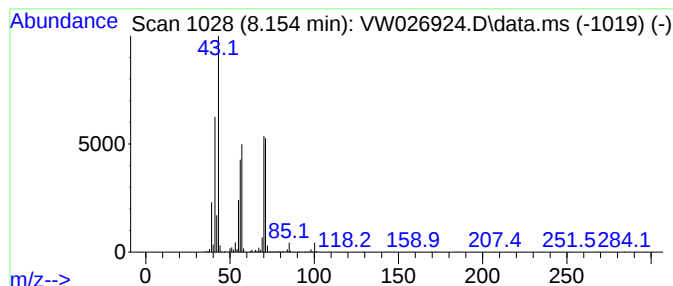
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ClientSampleId :
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.154	6.51 ug/L	403886	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	83
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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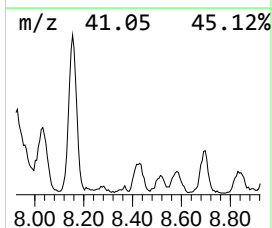
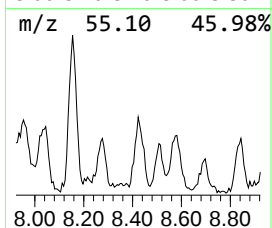
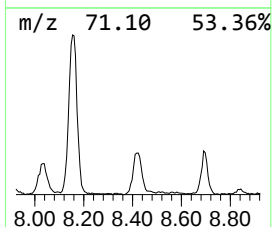
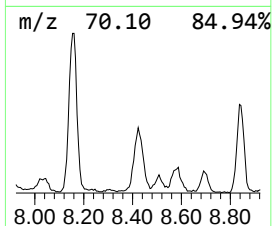
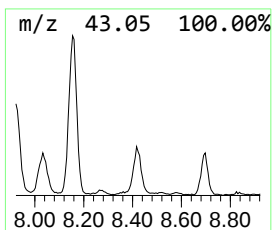
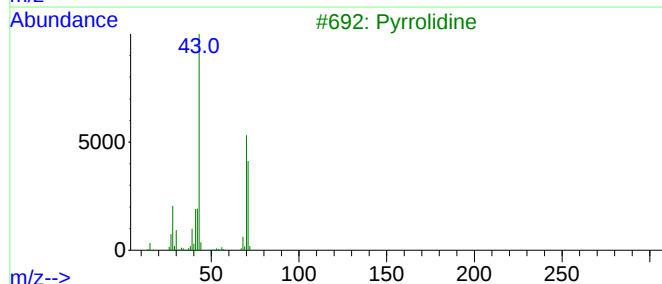
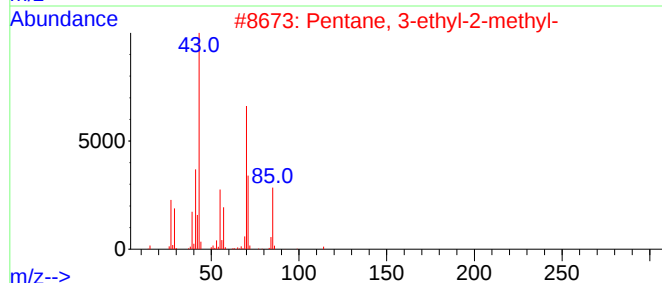
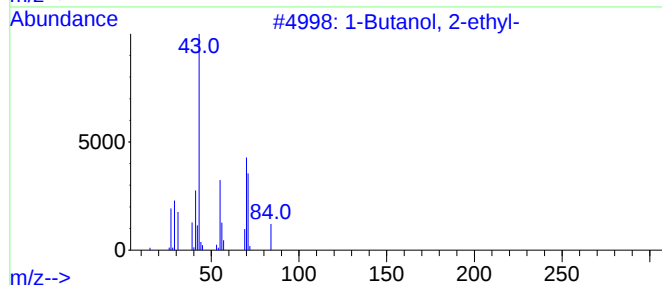
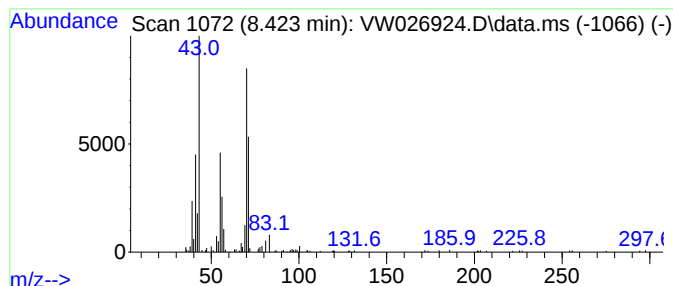
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Quant Title : SFAM01.0

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

Peak Number 9 1-Butanol, 2-ethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.423	1.82 ug/L	113197	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
3			Pyrrolidine	71	C4H9N	000123-75-1	59
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53
5			Heptane, 3-ethyl-5-methylene-	140	C10H20	1010160-41-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

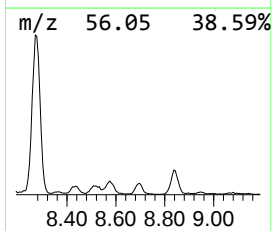
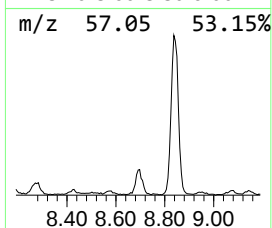
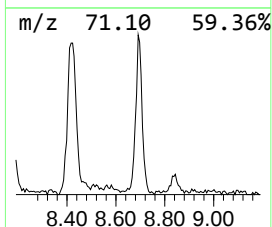
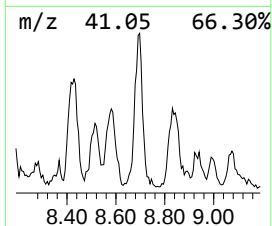
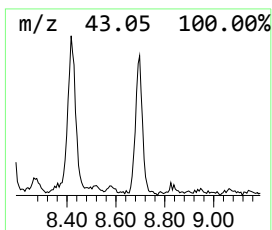
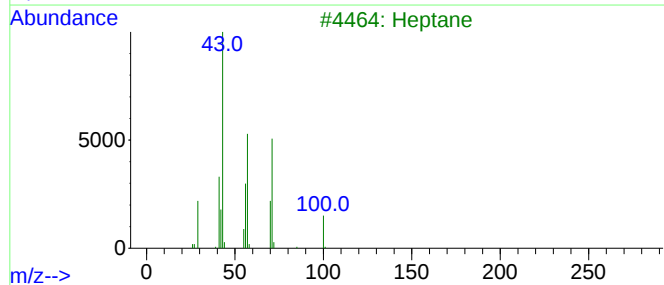
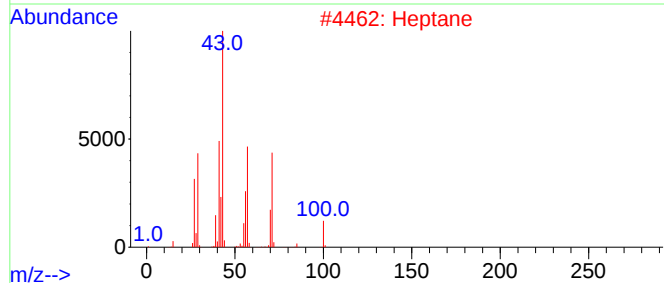
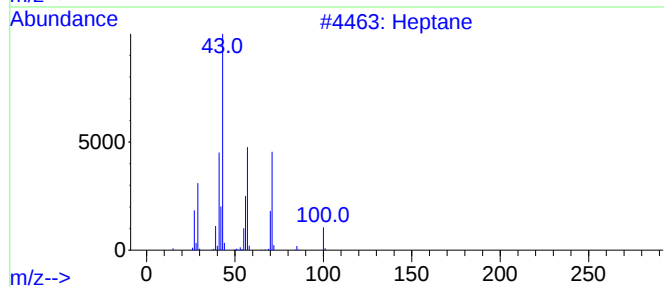
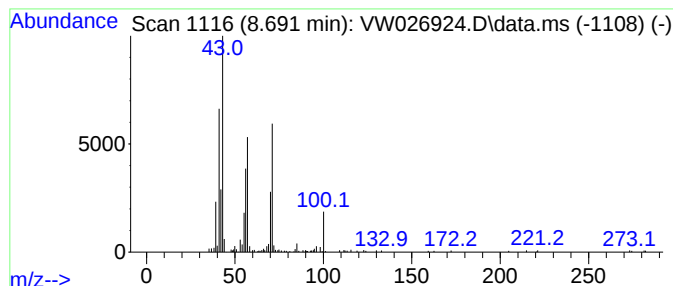
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	1.62 ug/L	100748	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	83
2	Heptane			100	C7H16	000142-82-5	83
3	Heptane			100	C7H16	000142-82-5	83
4	Heptane			100	C7H16	000142-82-5	83
5	Hexane, 3,3-dimethyl-			114	C8H18	000563-16-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

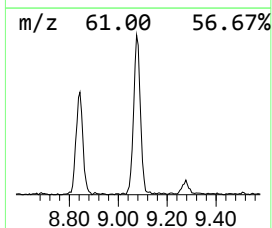
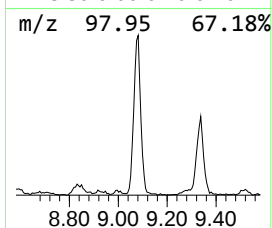
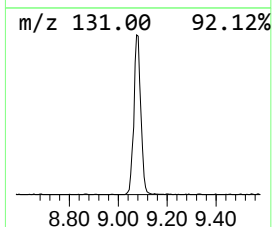
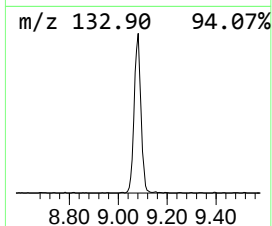
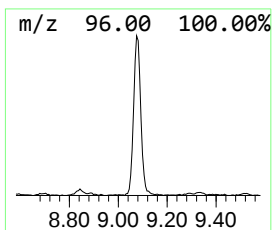
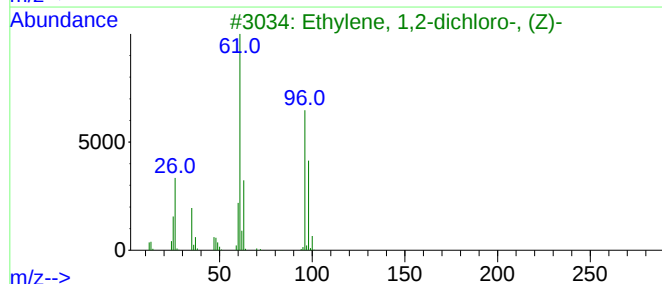
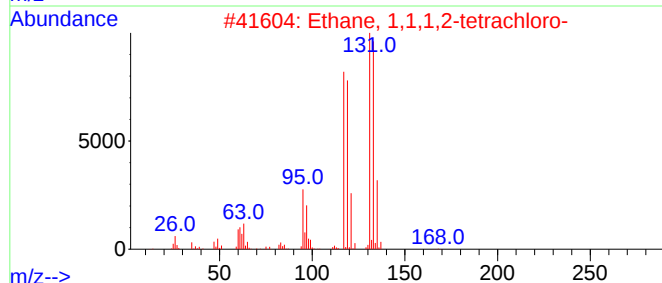
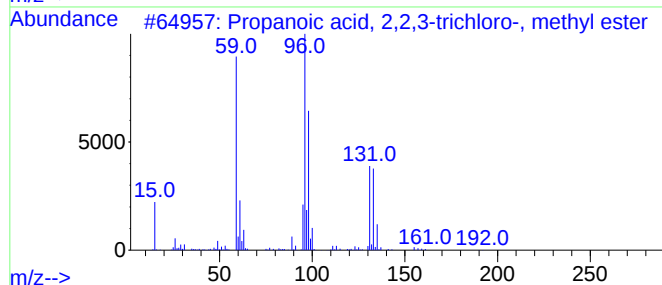
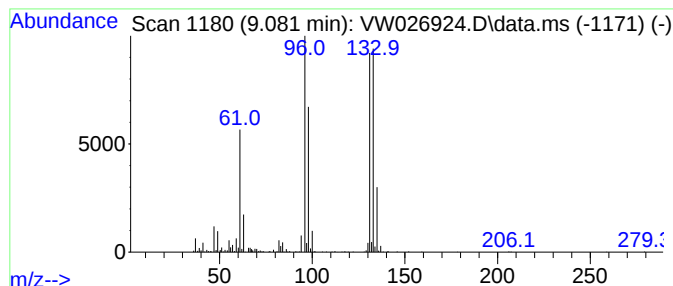
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Quant Title : SFAM01.0

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

Peak Number 11 Propanoic acid, 2,2,3-trich... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.081	5.74 ug/L	356036	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanoic acid, 2,2,3-trichloro-...	190	C4H5Cl3O2	004749-35-3	50
2			Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	37
3			Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	35
4			Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	35
5			Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

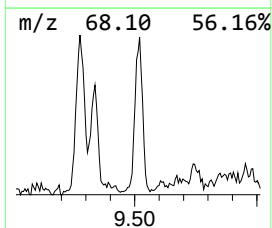
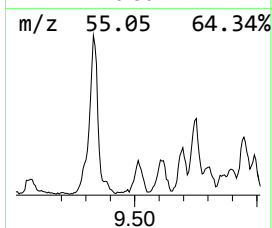
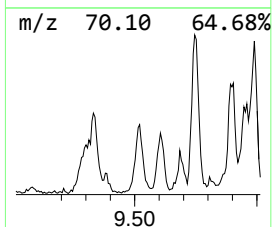
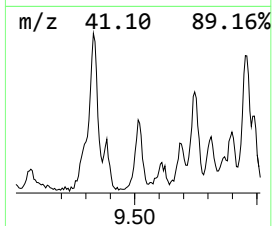
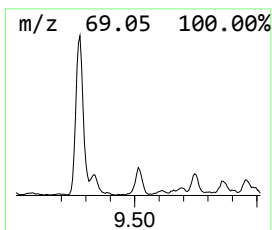
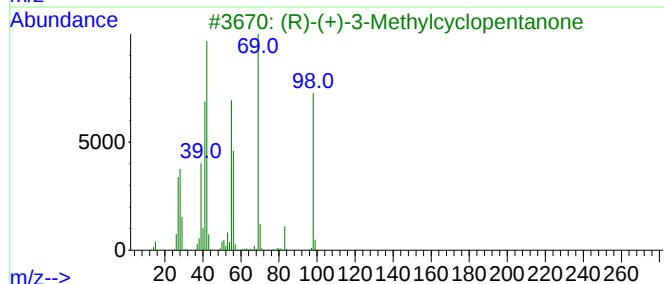
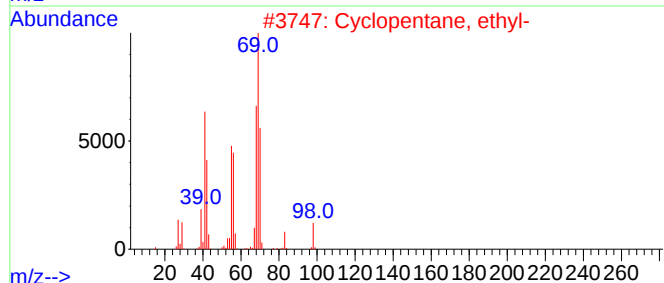
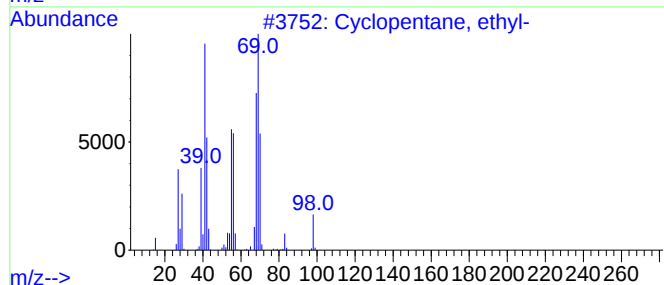
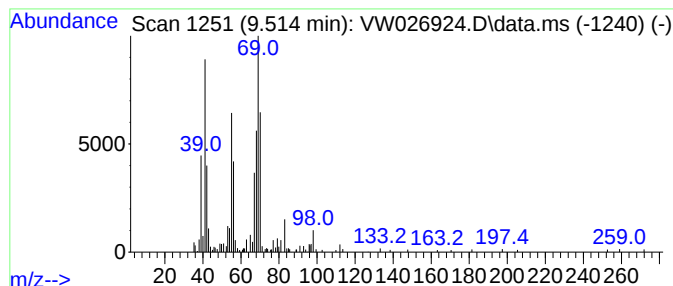
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic9.514 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.514	1.40 ug/L	86641	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
3			(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	49
4			3-Methyl-2-hexene	98	C7H14	017618-77-8	43
5			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

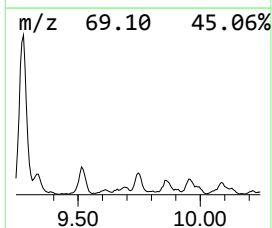
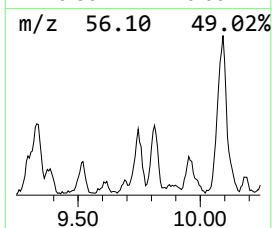
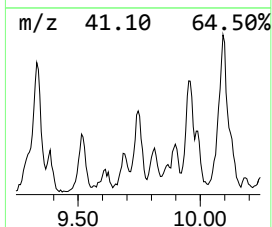
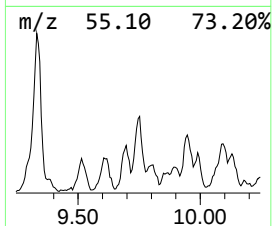
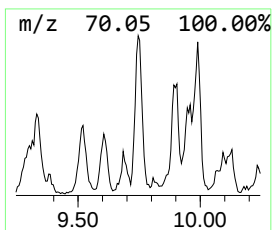
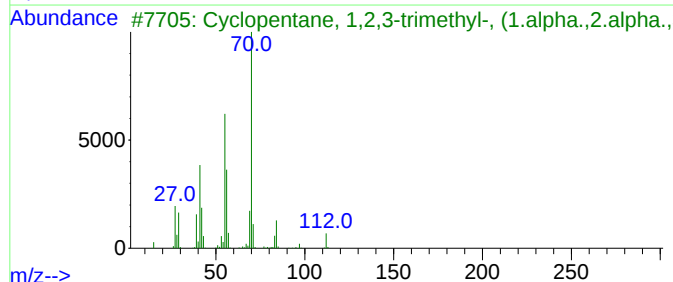
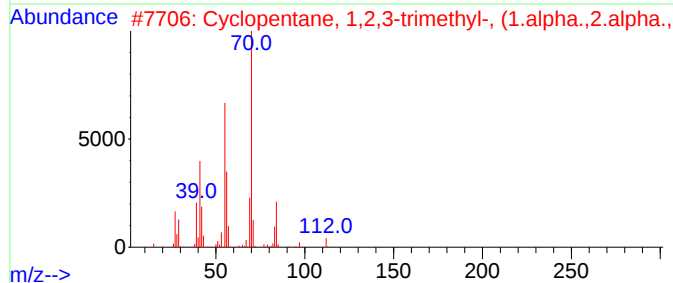
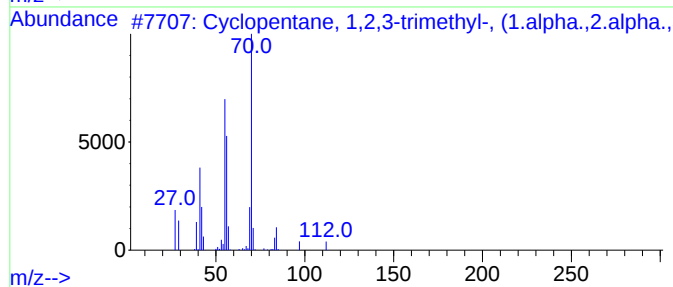
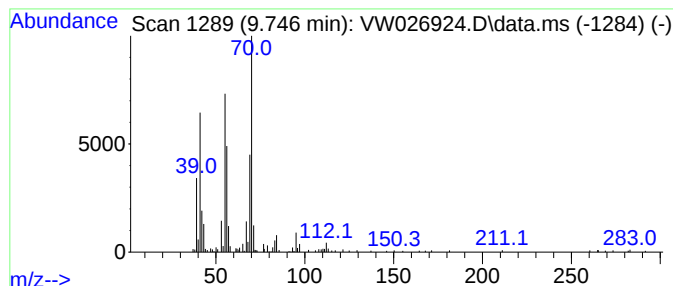
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic9.746 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.746	1.49 ug/L	92395	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	90
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	87
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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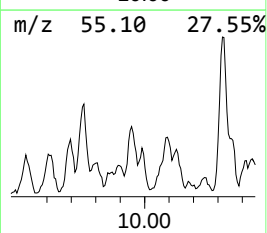
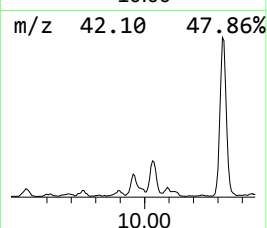
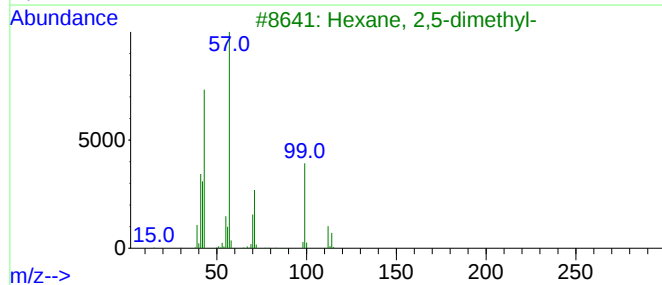
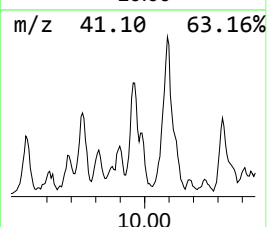
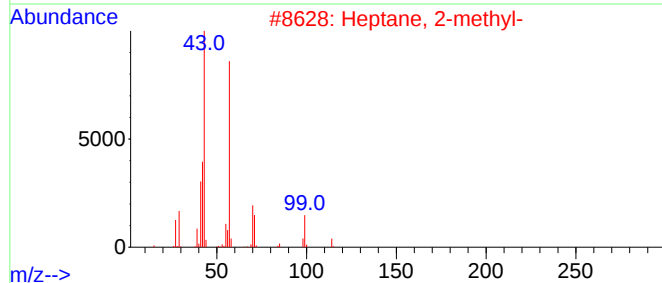
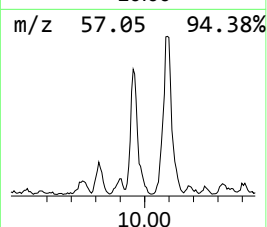
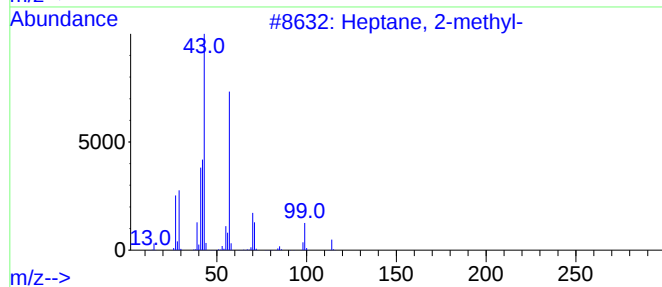
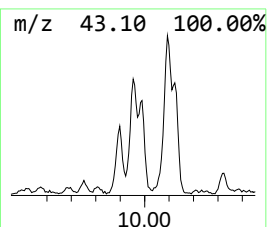
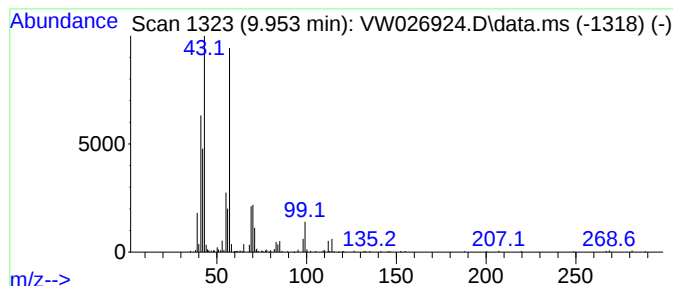
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	2.36 ug/L	146336	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	74
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	74
3			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
4			2-Piperidinone	99	C5H9NO	000675-20-7	47
5			Heptane, 2-methyl-	114	C8H18	000592-27-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

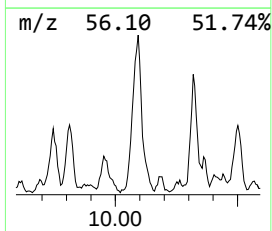
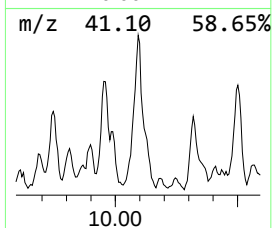
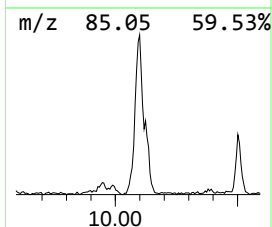
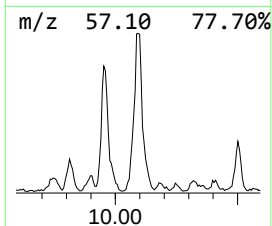
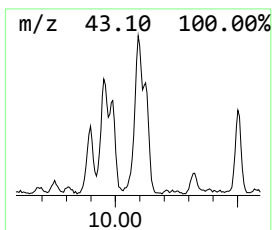
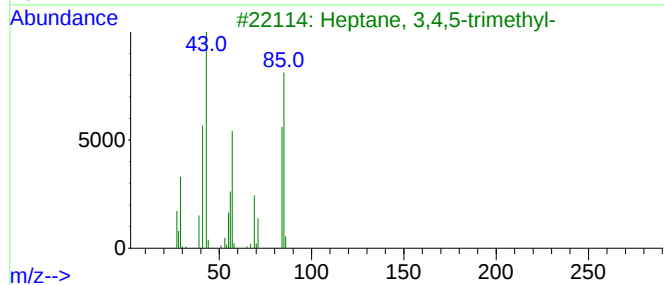
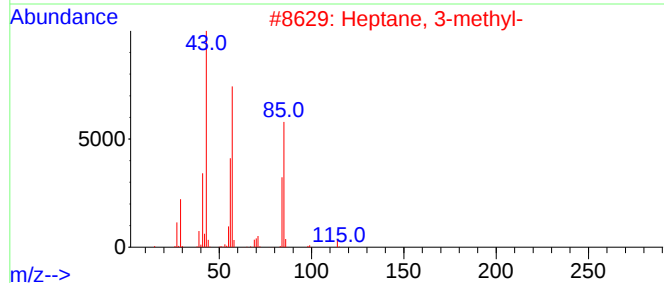
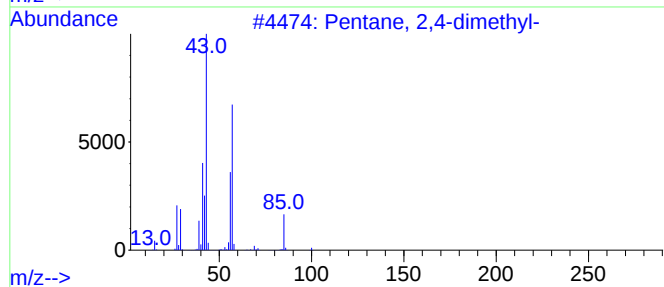
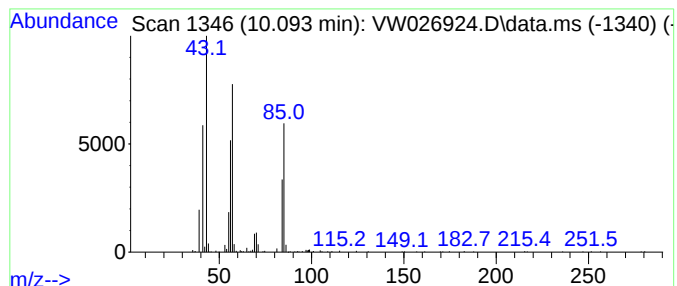
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	4.88 ug/L	303166	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
2			Heptane, 3-methyl-	114	C8H18	000589-81-1	59
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

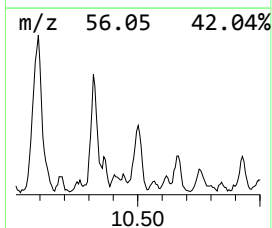
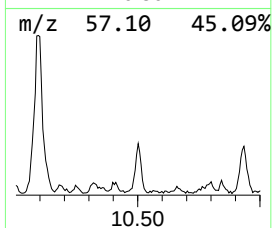
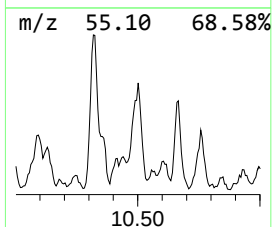
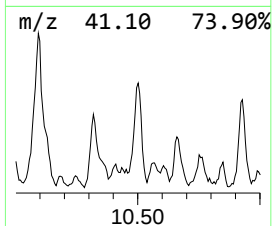
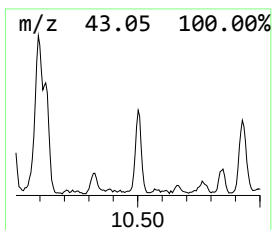
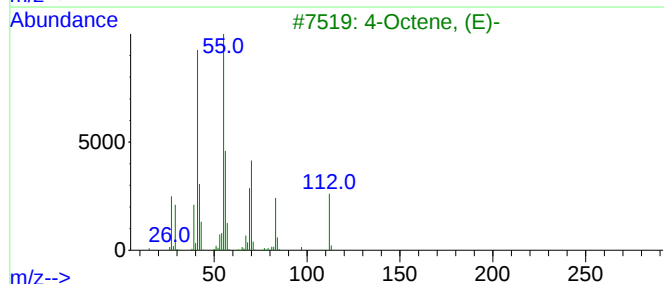
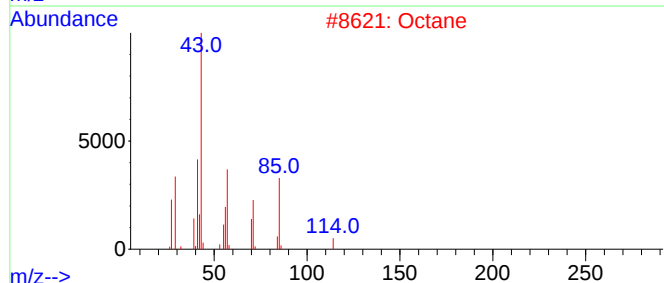
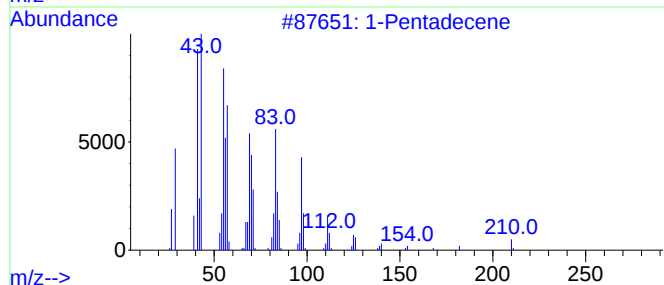
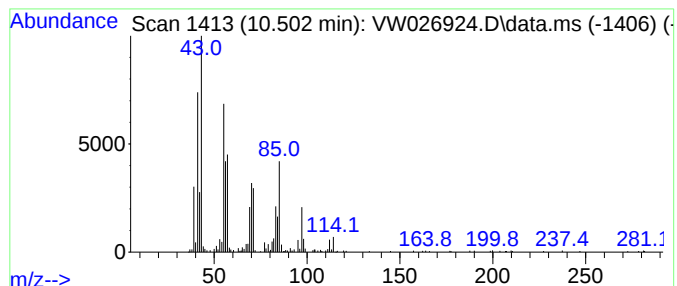
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.502	2.87 ug/L	165125	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecene	210	C15H30	013360-61-7	52
2	Octane	114	C8H18	000111-65-9	46
3	4-Octene, (E)-	112	C8H16	014850-23-8	46
4	Octane	114	C8H18	000111-65-9	46
5	1-Octene	112	C8H16	000111-66-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

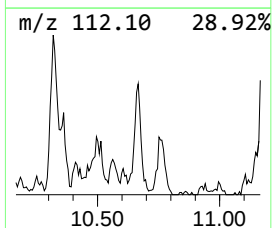
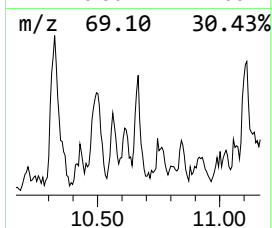
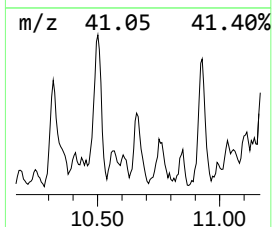
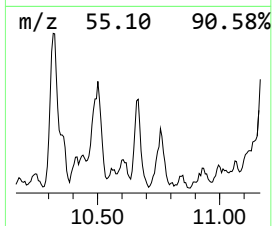
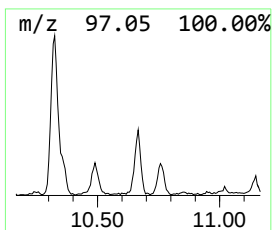
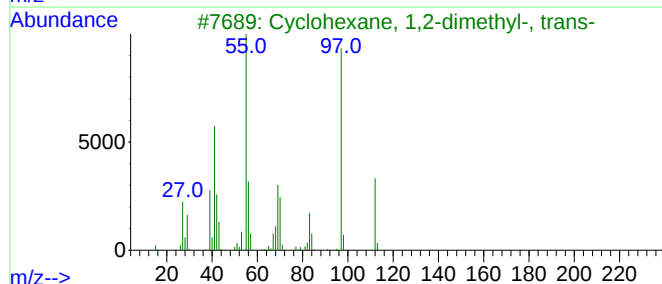
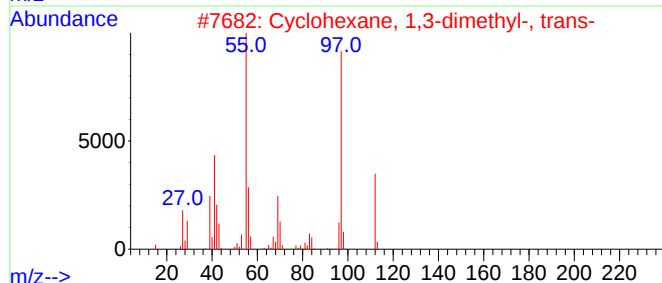
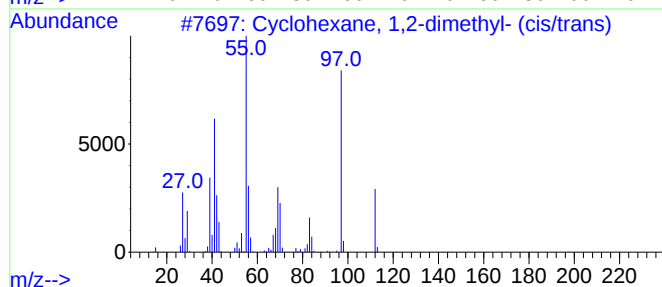
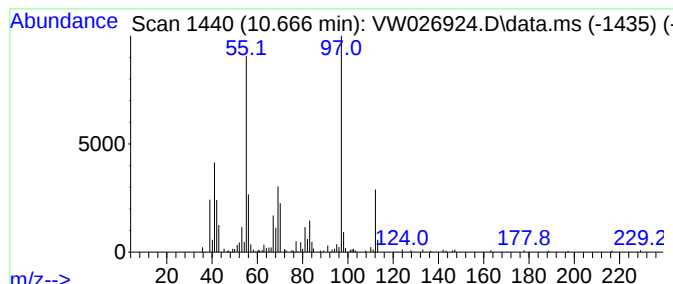
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.666 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.38 ug/L	79188	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
5			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

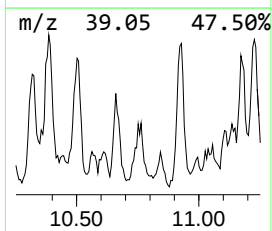
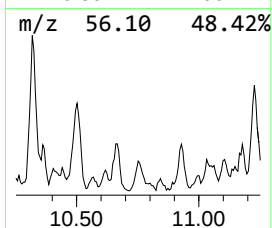
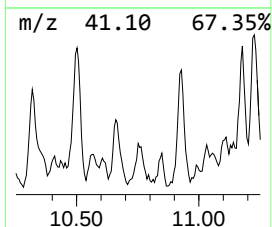
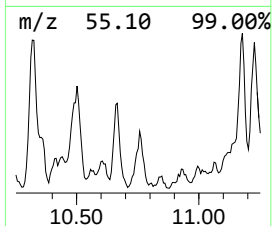
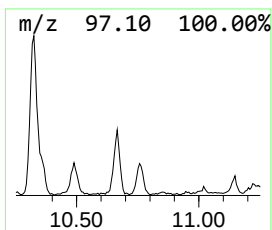
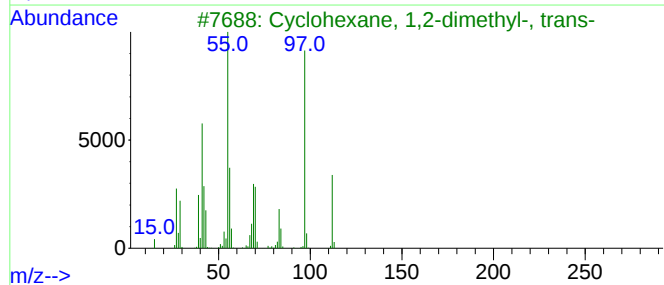
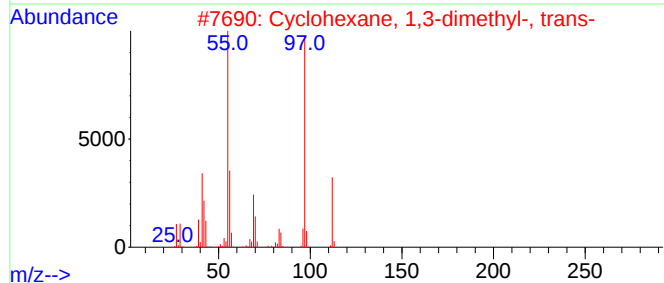
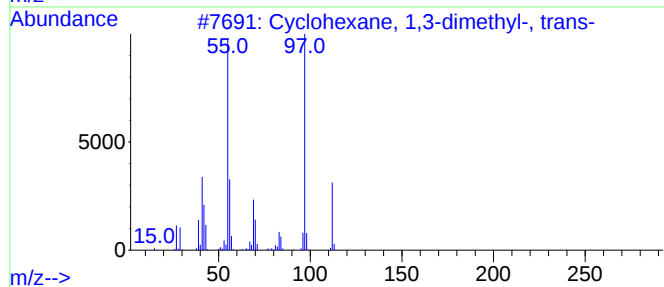
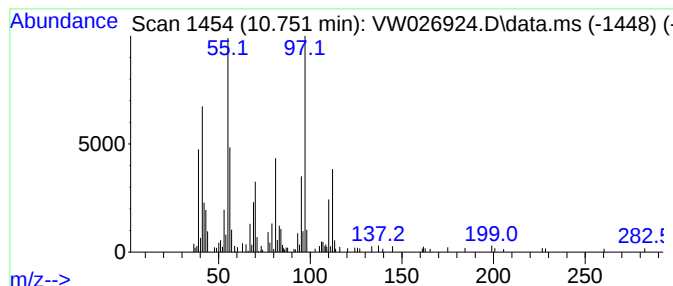
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.752 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.752	1.25 ug/L	72159	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
5			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

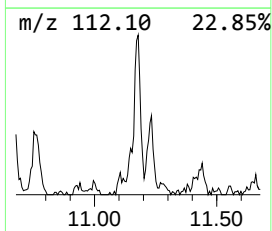
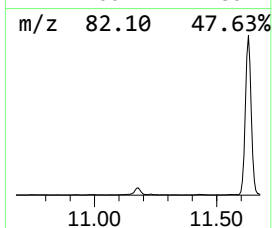
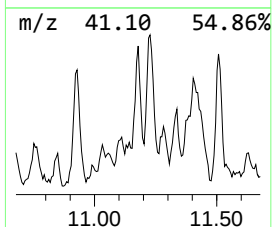
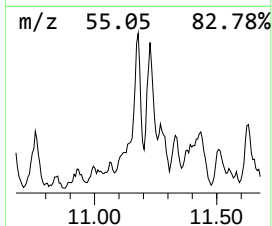
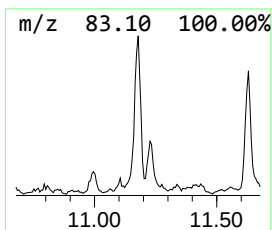
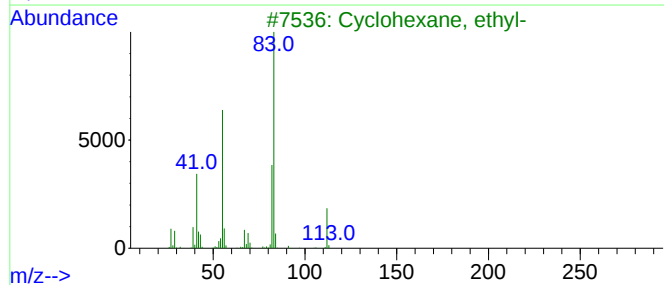
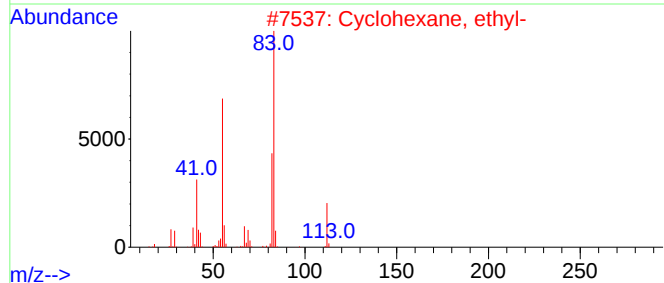
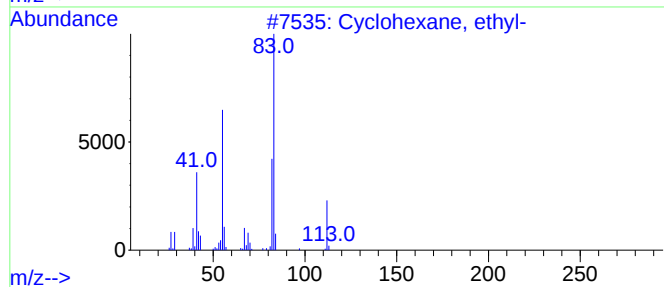
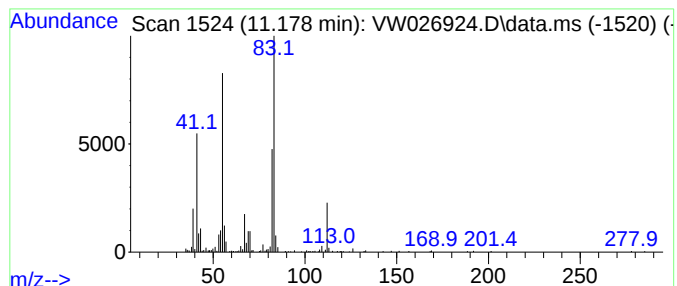
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.178 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	2.19 ug/L	126231	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

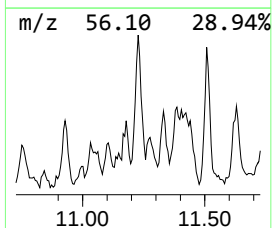
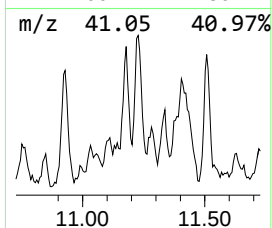
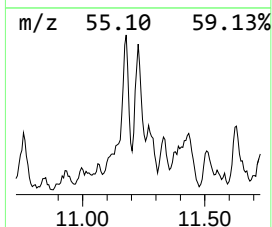
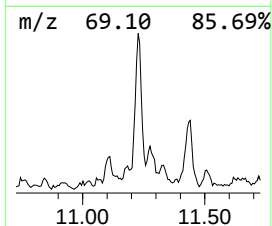
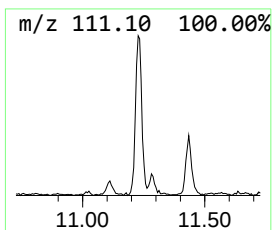
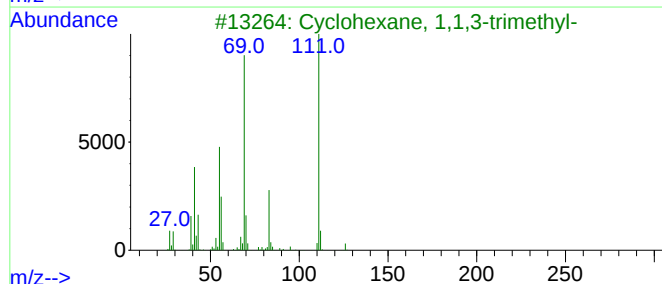
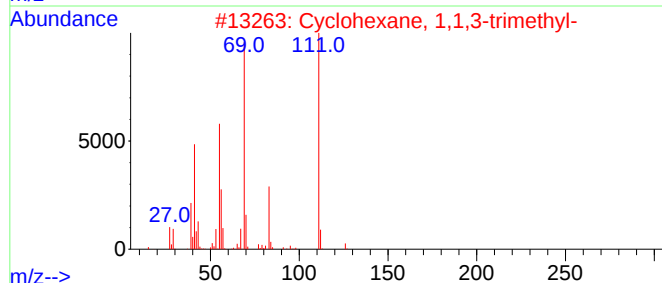
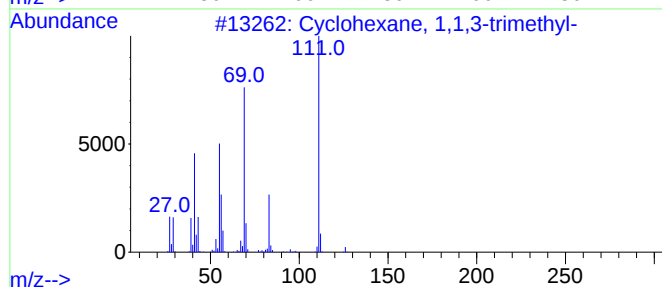
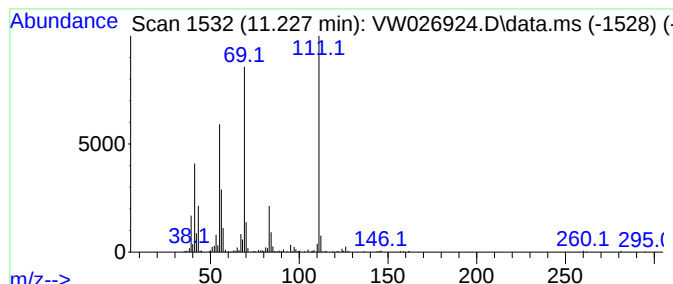
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.227 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	3.29 ug/L	189575	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

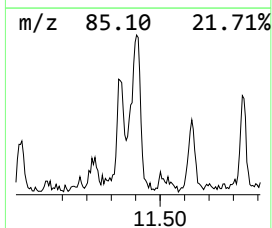
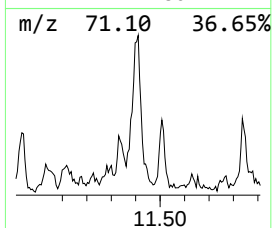
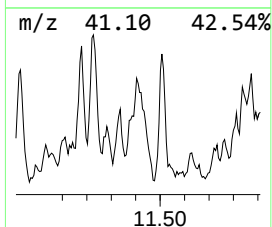
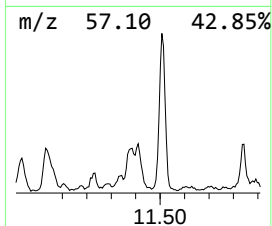
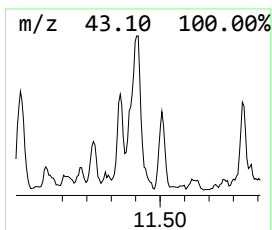
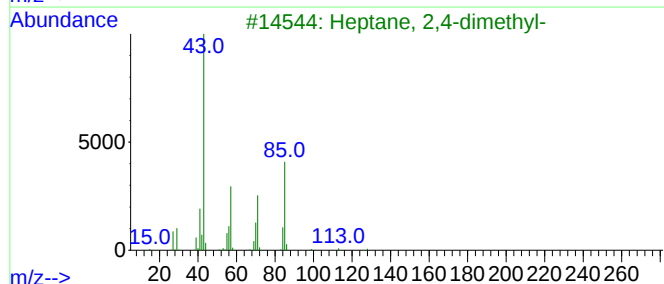
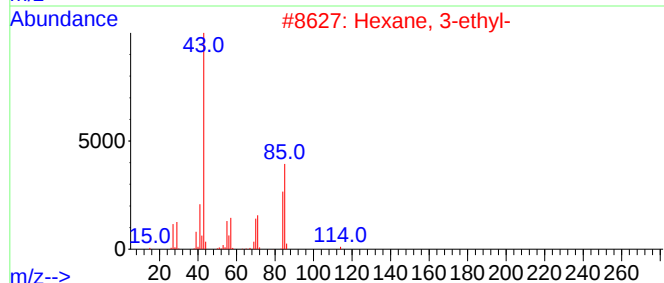
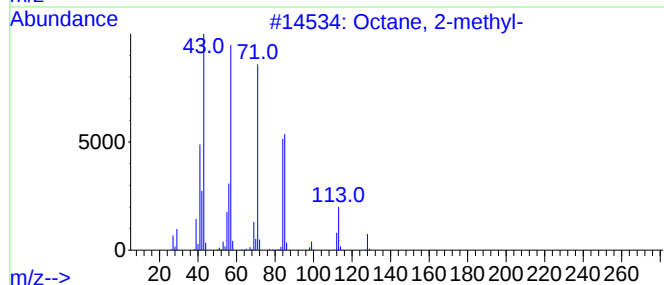
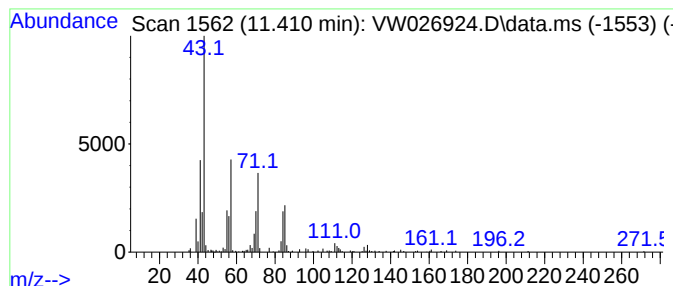
Instrument :
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ClientSampleId :
EZYG7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.410	4.63 ug/L	266545	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-		128	C9H20	003221-61-2	64
2	Hexane, 3-ethyl-		114	C8H18	000619-99-8	64
3	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	64
4	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	64
5	Octane, 4-methyl-		128	C9H20	002216-34-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

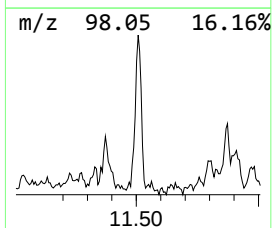
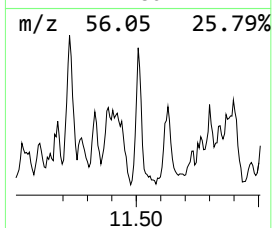
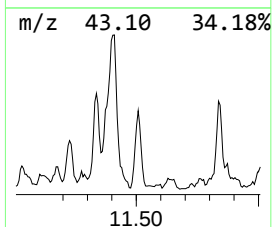
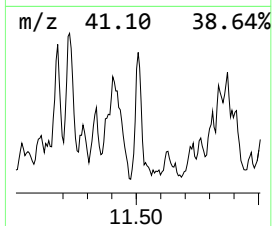
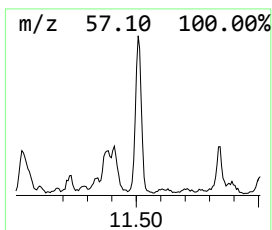
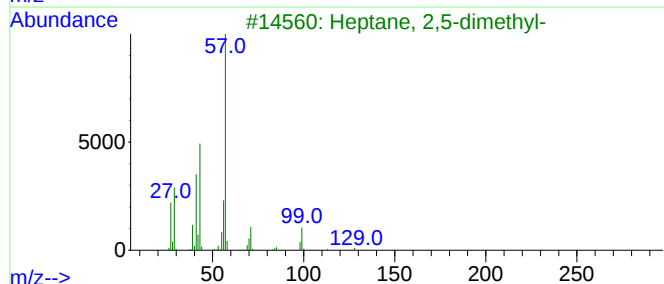
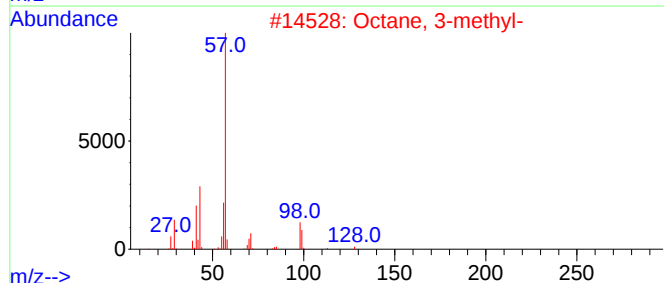
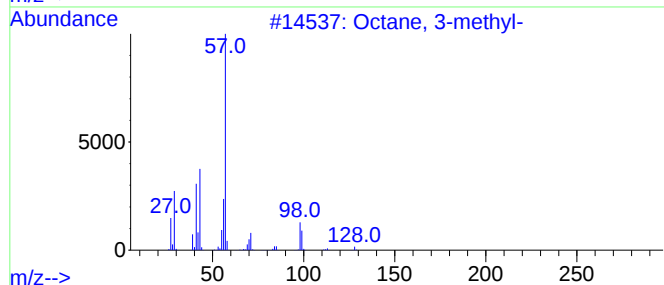
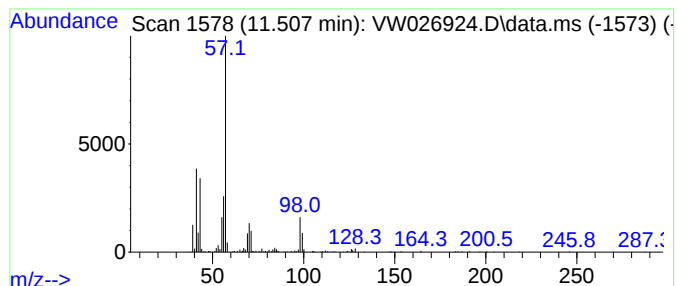
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	2.12 ug/L	121908	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-			128	C9H20	002216-33-3	86
2	Octane, 3-methyl-			128	C9H20	002216-33-3	86
3	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	72
4	Octane, 3-methyl-			128	C9H20	002216-33-3	64
5	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

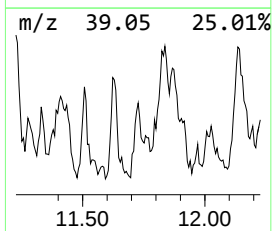
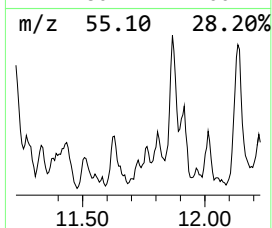
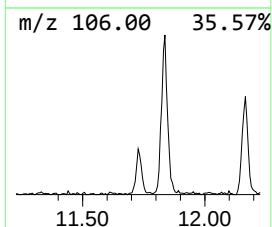
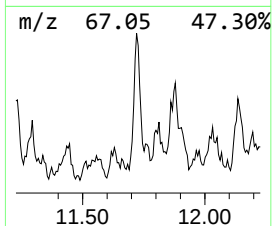
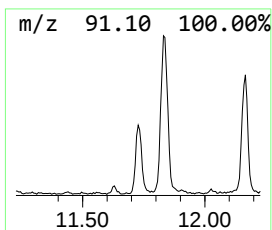
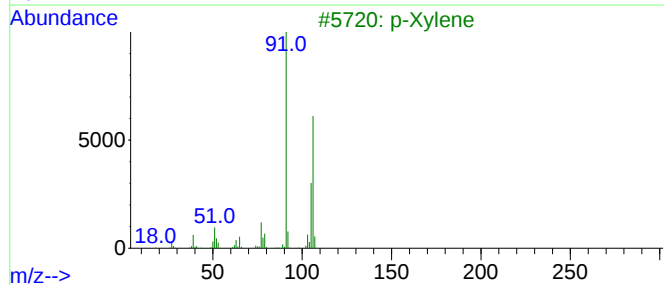
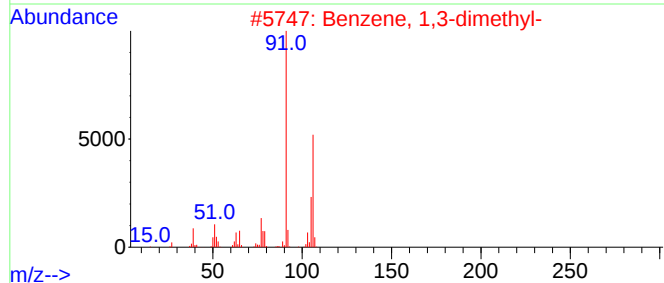
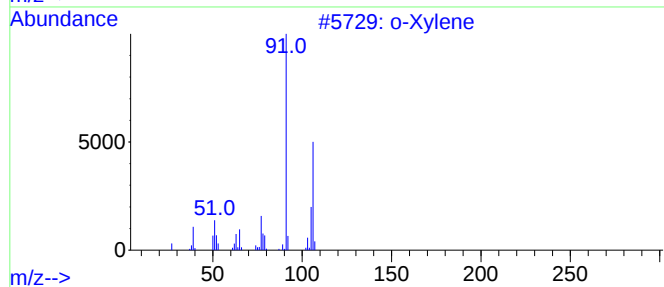
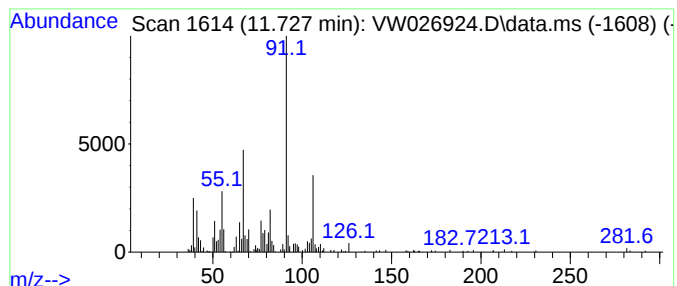
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TIC Integration Parameters: LSCINT.P

Peak Number 24 unknown-01

Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.727	1.49 ug/L	85668	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Xylene	106	C8H10	000095-47-6	55
2			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	42
3			p-Xylene	106	C8H10	000106-42-3	42
4			o-Xylene	106	C8H10	000095-47-6	42
5			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

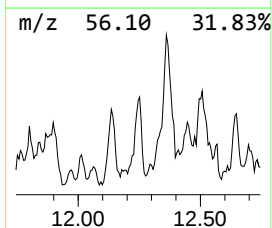
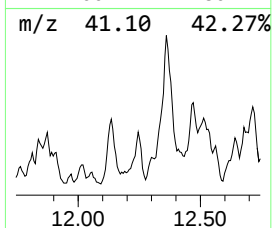
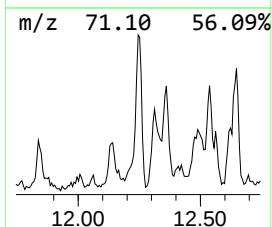
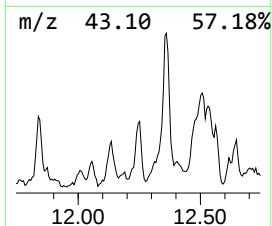
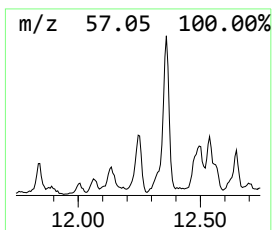
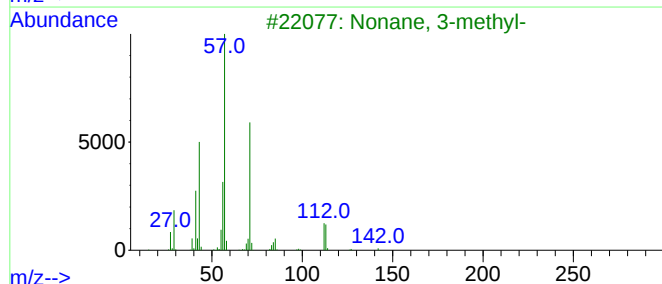
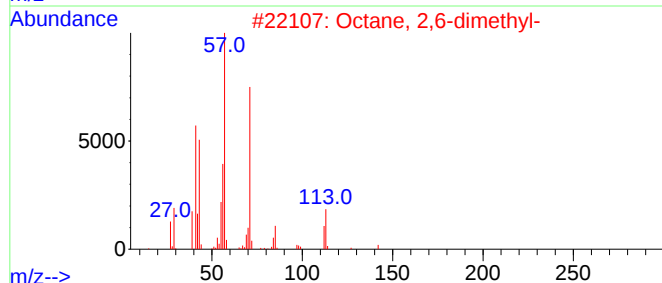
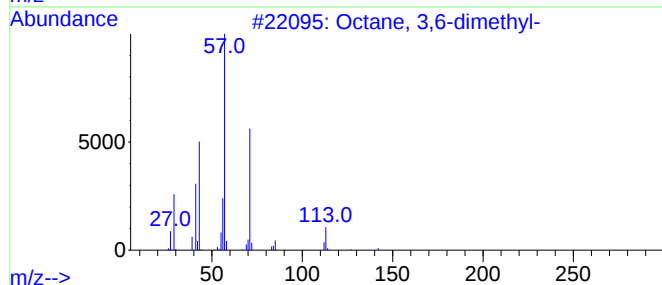
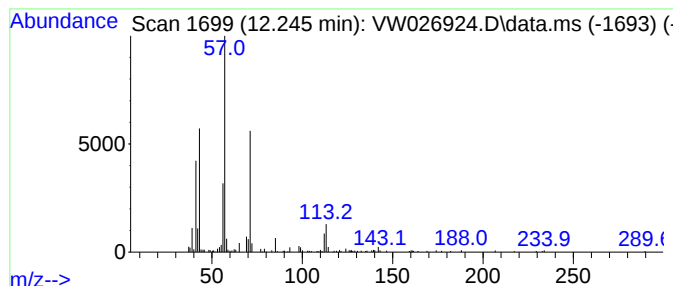
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	1.96 ug/L	112908	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

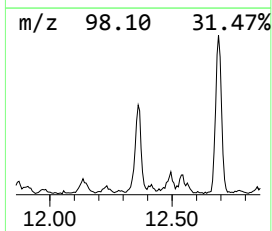
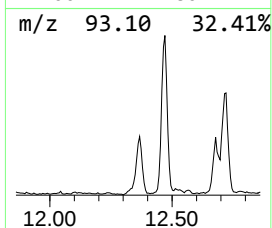
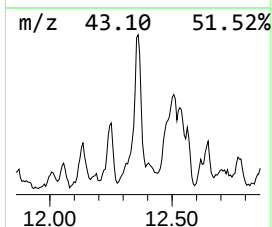
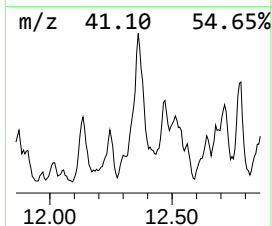
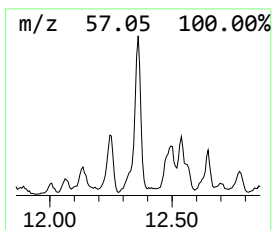
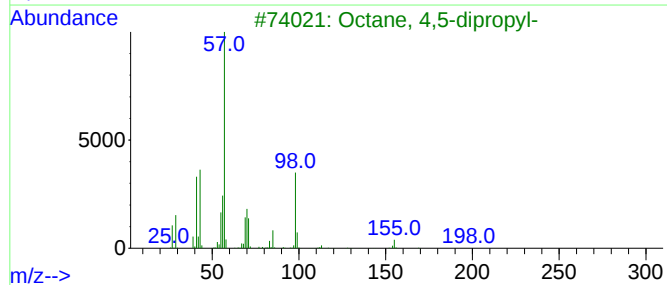
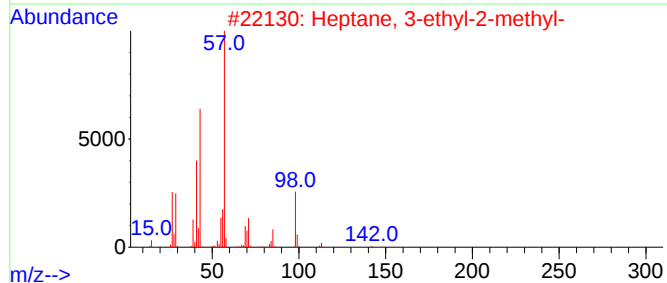
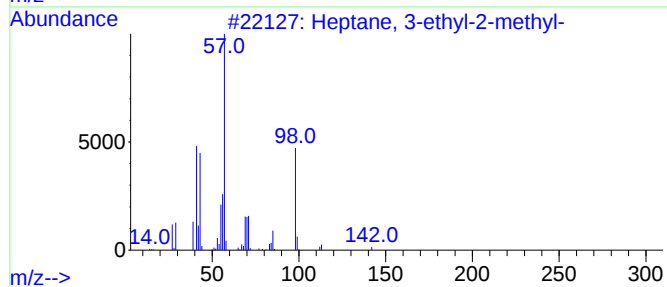
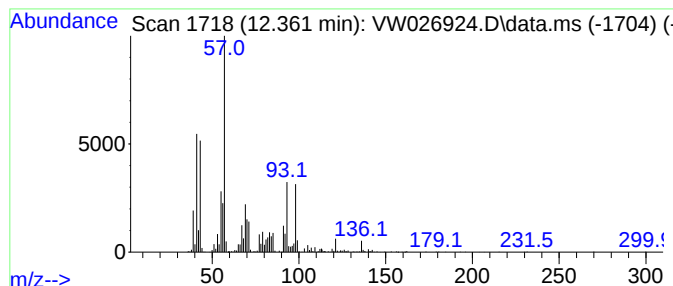
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	12.84 ug/L	738869	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	46
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	45
3			Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	43
4			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

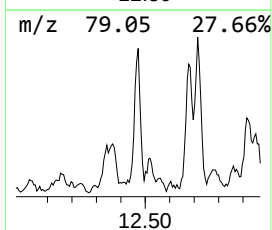
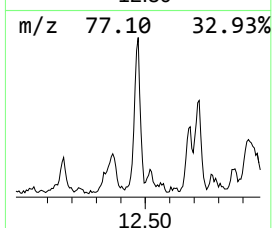
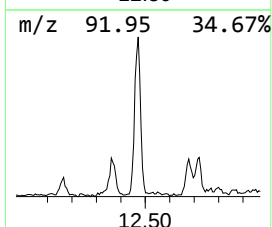
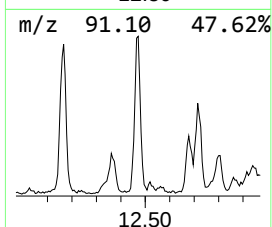
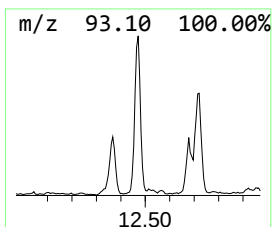
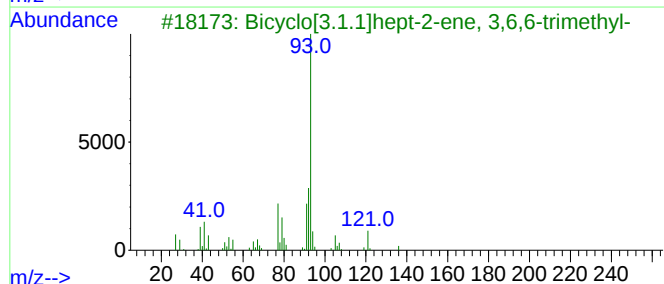
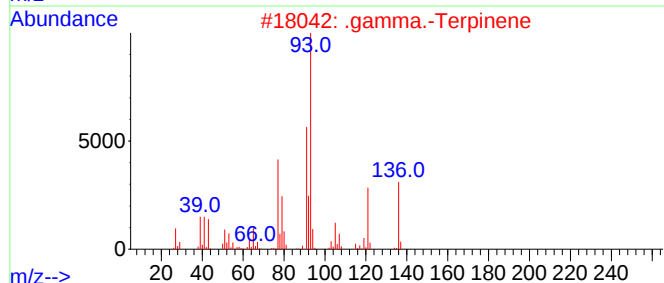
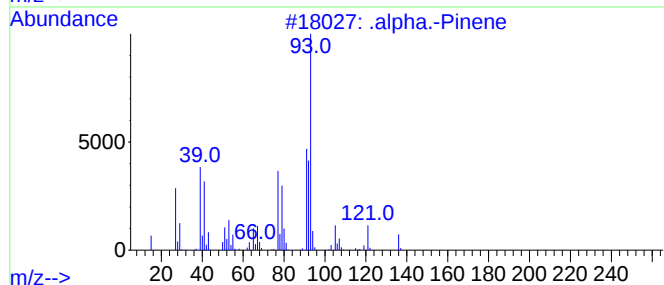
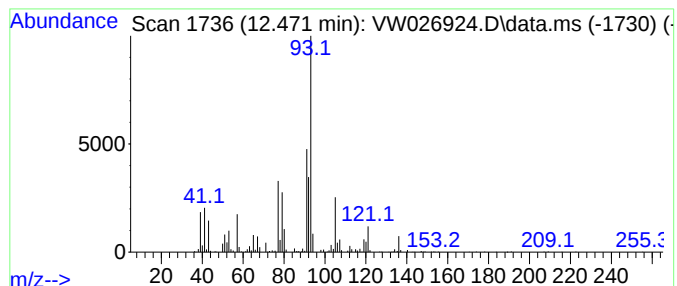
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Quant Title : SFAM01.0

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

Peak Number 27 .alpha.-Pinene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.471	5.26 ug/L	303003	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.alpha.-Pinene	136	C10H16	000080-56-8	93
2	.		.gamma.-Terpinene	136	C10H16	000099-85-4	87
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...			136	C10H16	004889-83-2	87
4	.		.alpha.-Pinene	136	C10H16	000080-56-8	87
5	.		.alpha.-Pinene	136	C10H16	000080-56-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

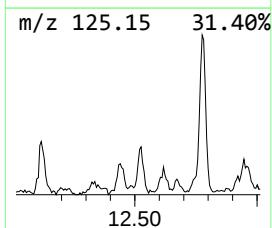
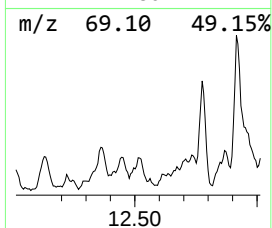
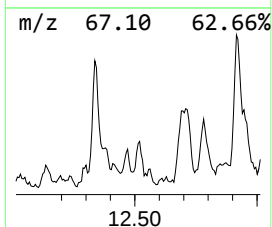
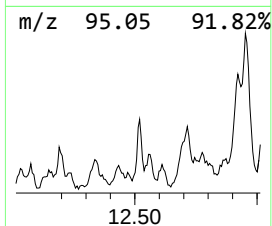
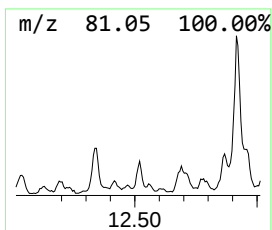
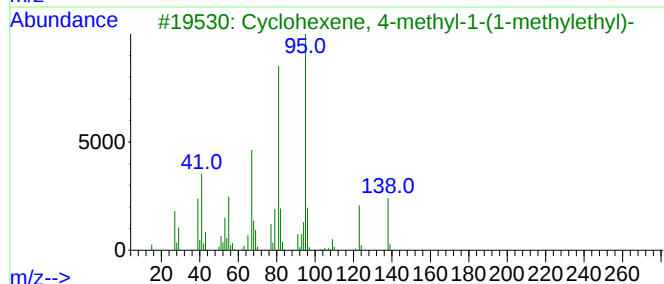
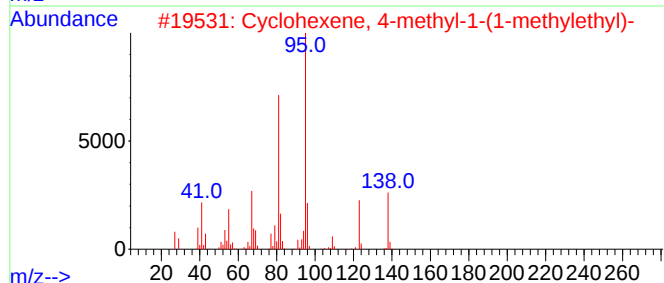
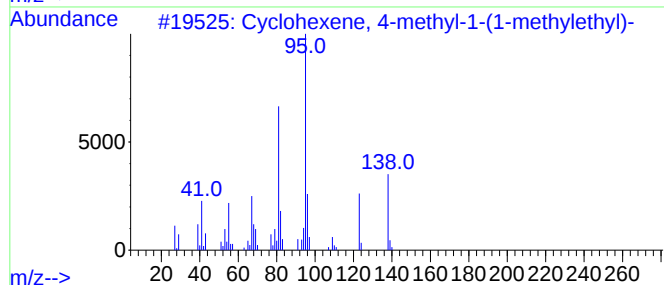
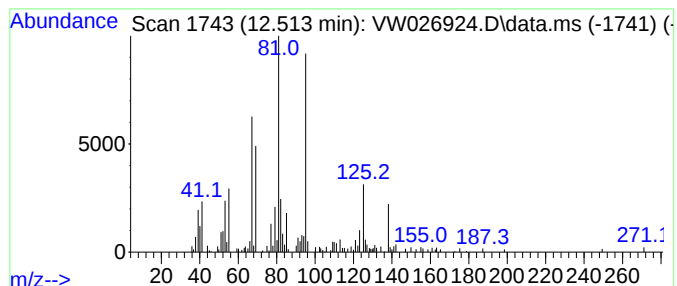
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Quant Title : SFAM01.0

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

Peak Number 28 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.513	1.86 ug/L	107161	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	81
2			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	81
3			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	80
4			Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	74
5			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

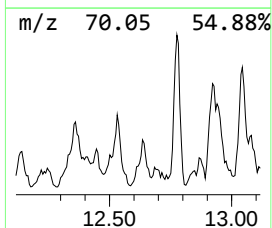
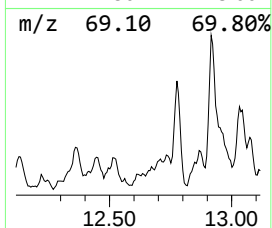
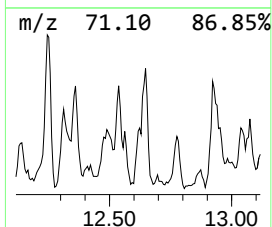
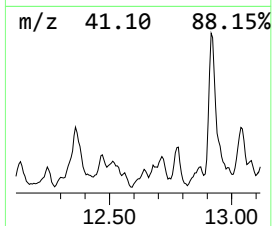
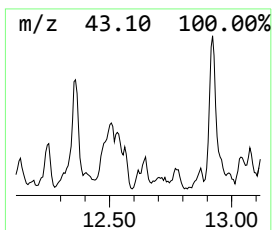
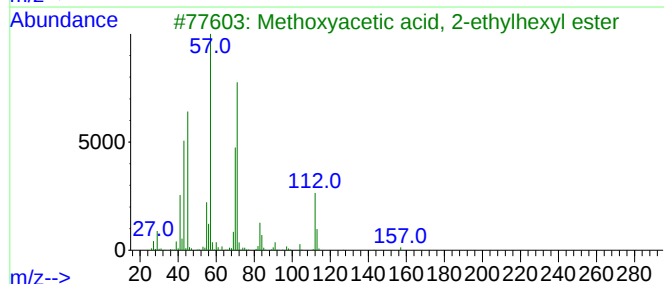
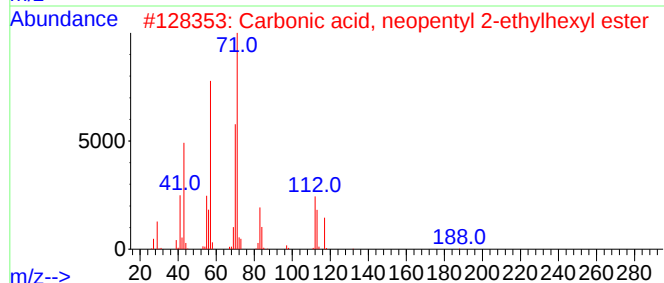
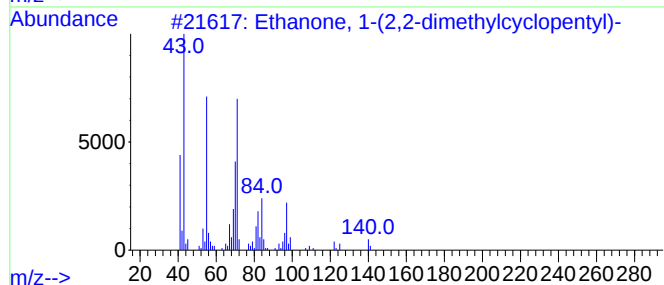
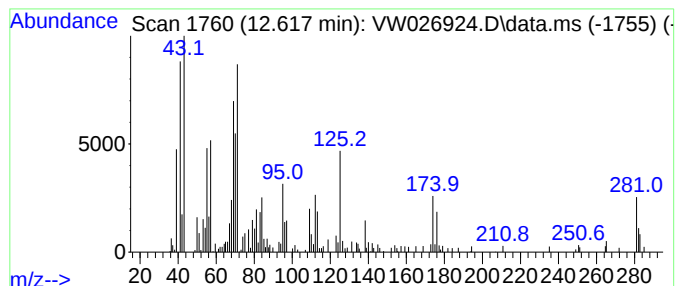
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Quant Title : SFAM01.0

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

Peak Number 29 unknown-02 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	1.43 ug/L	53528	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(2,2-dimethylcyclope...	140	C9H16O	003664-75-3	43
2			Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	38
3			Methoxyacetic acid, 2-ethylhexyl...	202	C11H22O3	1000282-41-4	38
4			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	27
5			Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EZYG7

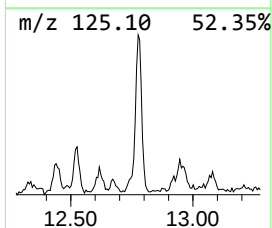
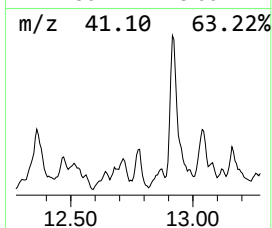
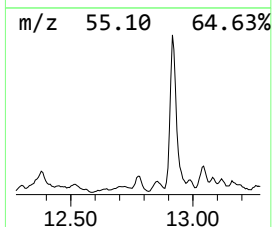
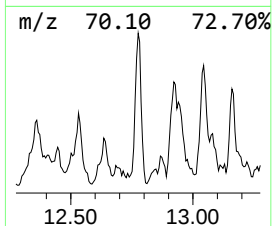
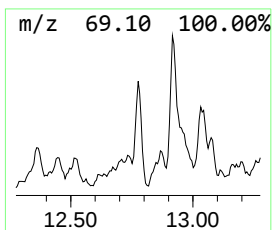
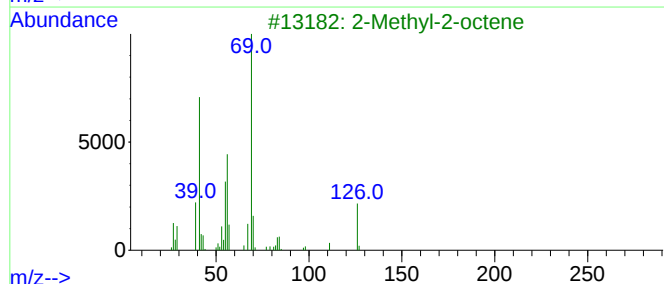
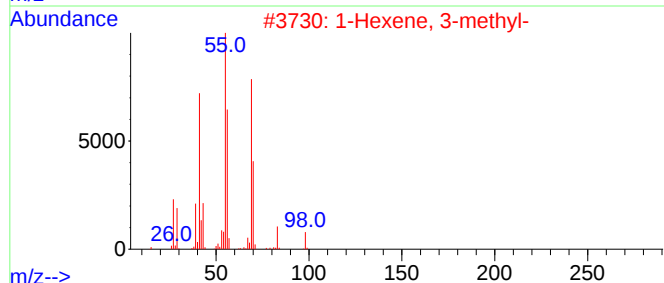
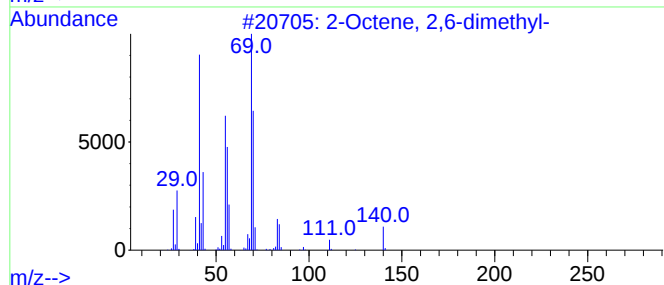
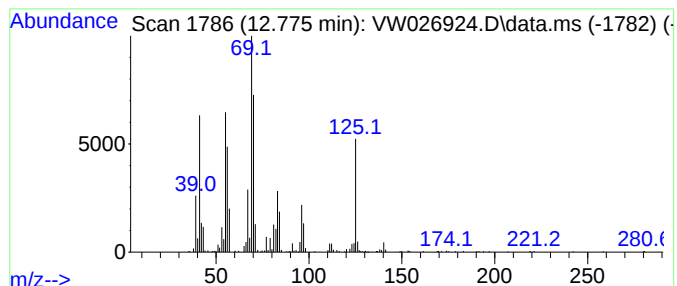
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	6.42 ug/L	239405	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
2			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50
3			2-Methyl-2-octene	126	C9H18	016993-86-5	43
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

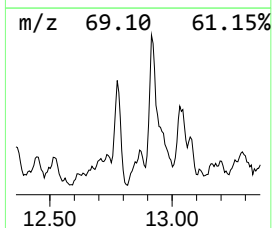
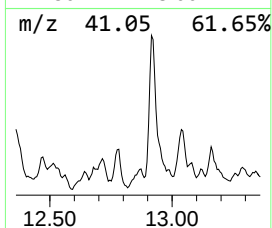
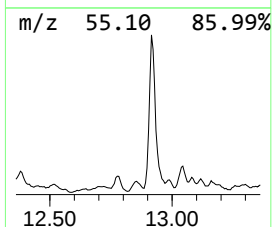
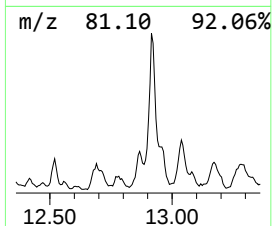
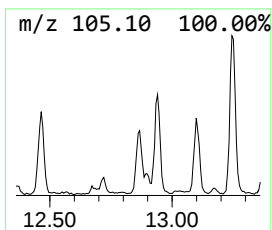
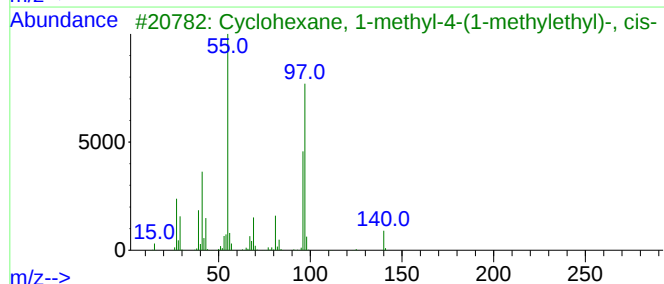
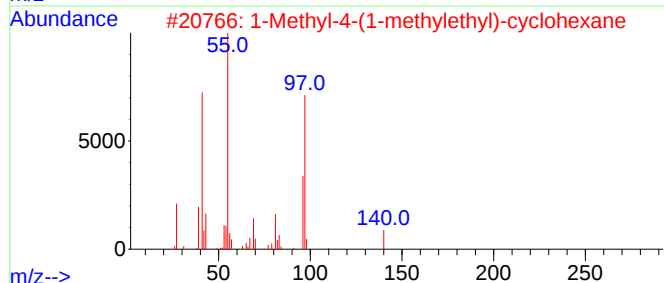
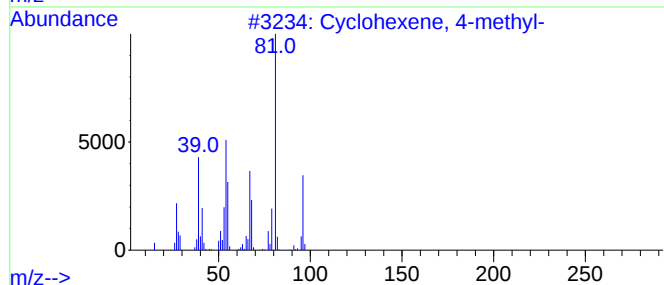
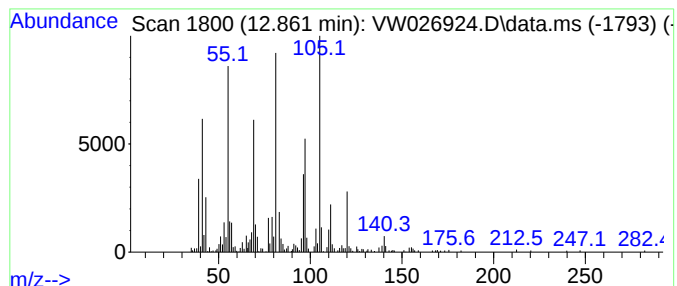
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Quant Title : SFAM01.0

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

Peak Number 31 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	4.38 ug/L	163343	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	30
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	25
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	25
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	25
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

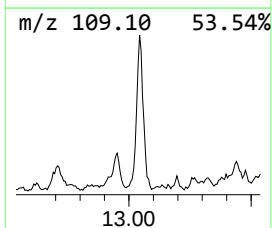
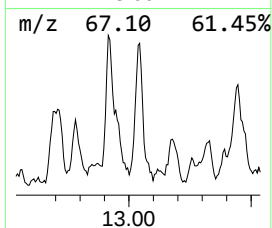
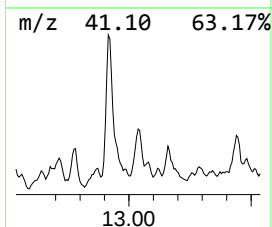
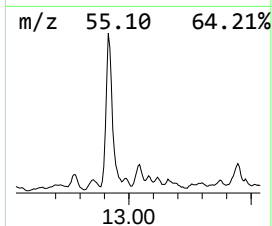
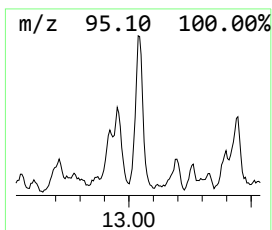
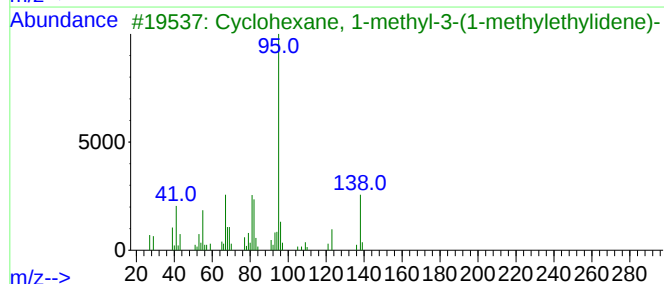
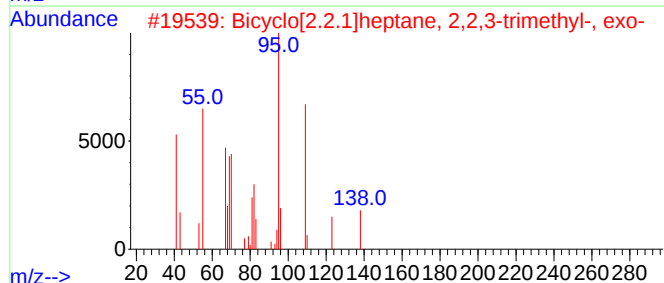
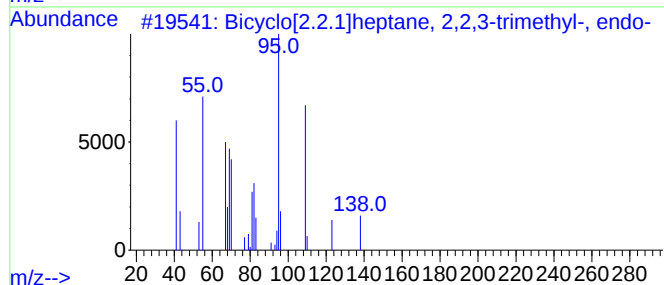
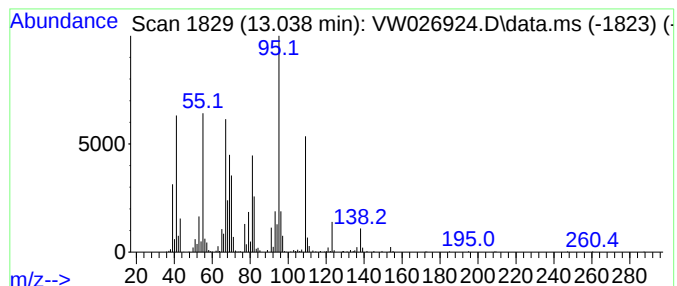
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Quant Title : SFAM01.0

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

Peak Number 32 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	10.06 ug/L	375470	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	97
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	93
3			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	64
4			Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	62
5			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

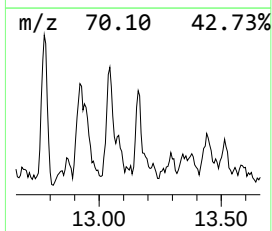
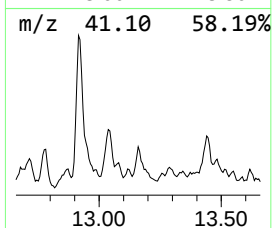
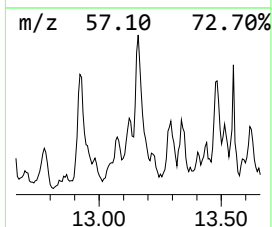
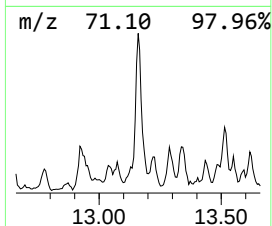
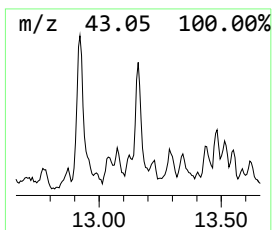
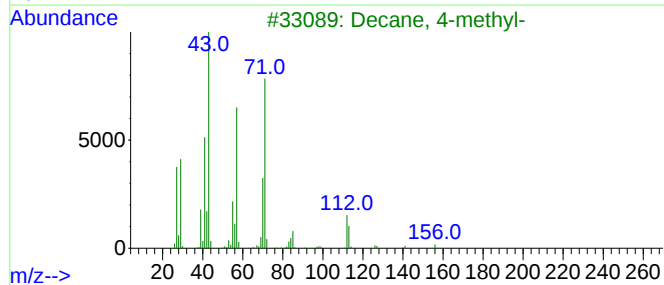
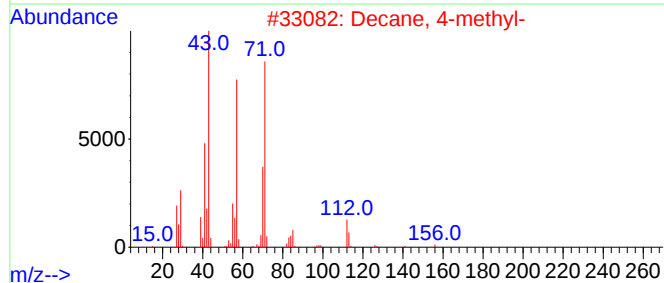
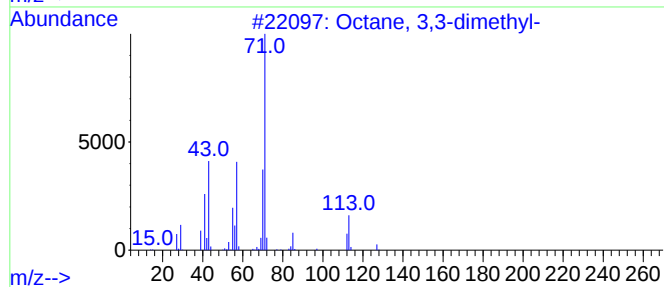
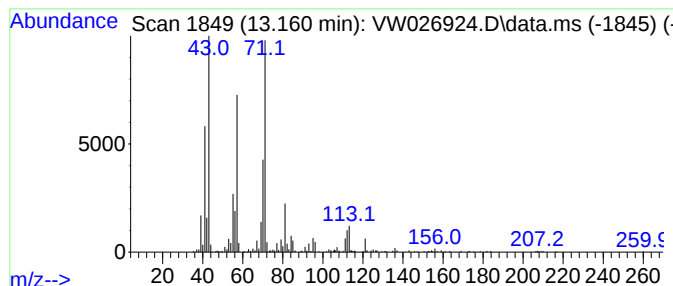
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	6.32 ug/L	235960	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
2			Decane, 4-methyl-	156	C11H24	002847-72-5	74
3			Decane, 4-methyl-	156	C11H24	002847-72-5	72
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5			Decane, 4-methyl-	156	C11H24	002847-72-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

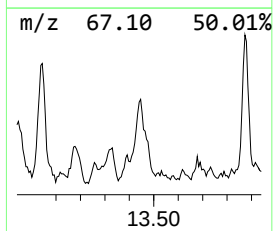
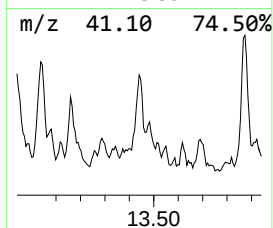
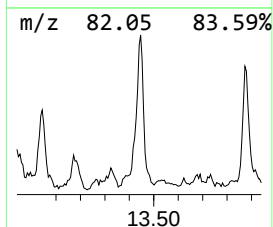
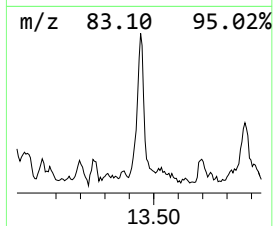
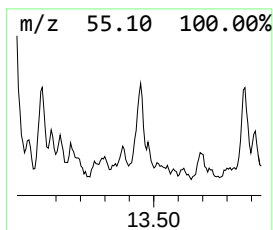
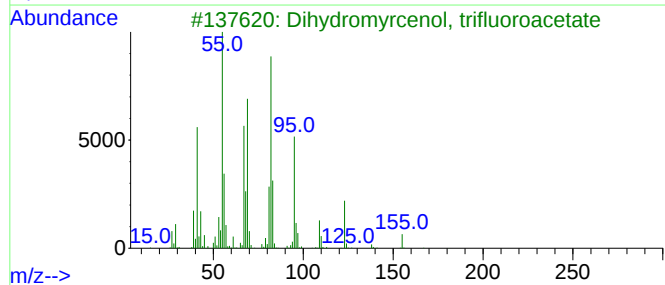
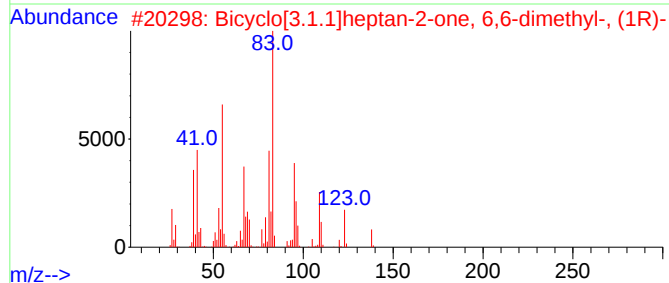
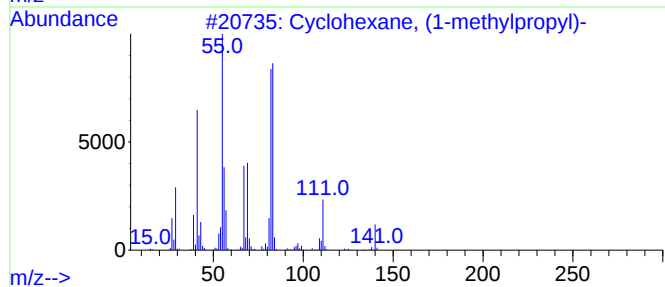
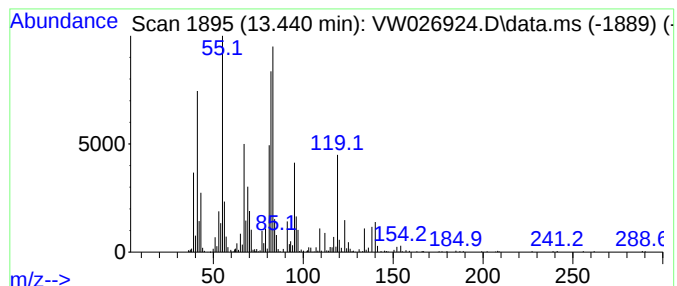
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic13.440 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	8.59 ug/L	320588	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	52
2			Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	50
3			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	47
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	46
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

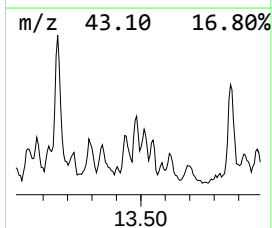
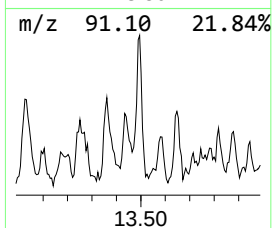
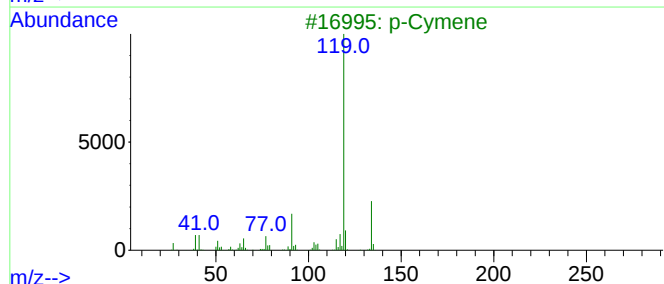
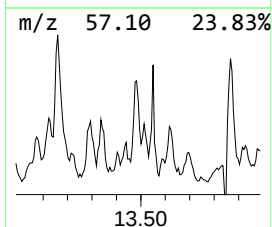
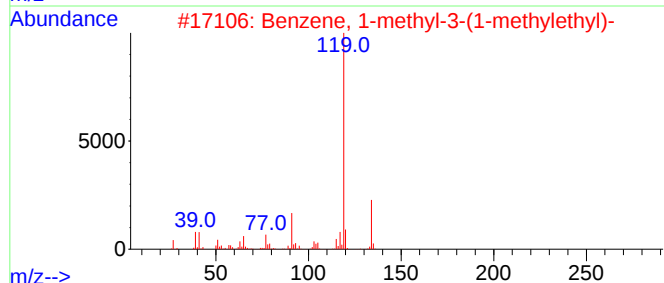
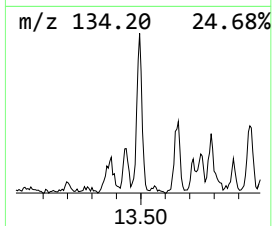
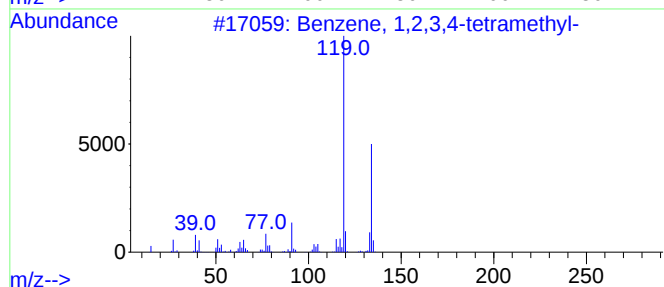
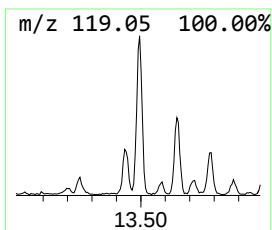
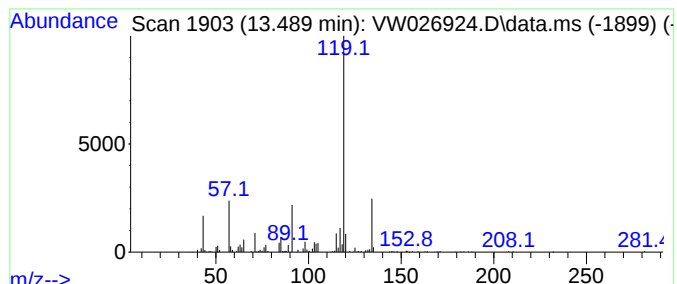
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.489	4.85 ug/L	181122	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	90
3			p-Cymene	134	C10H14	000099-87-6	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

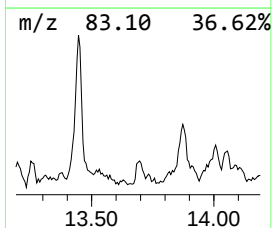
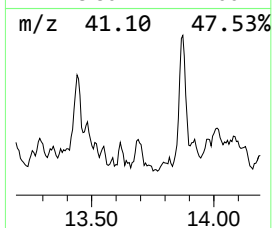
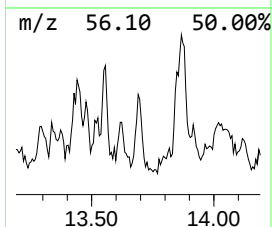
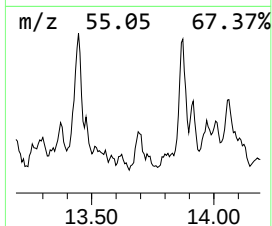
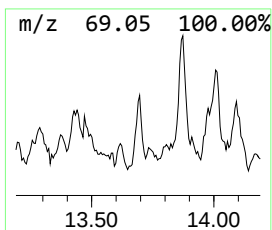
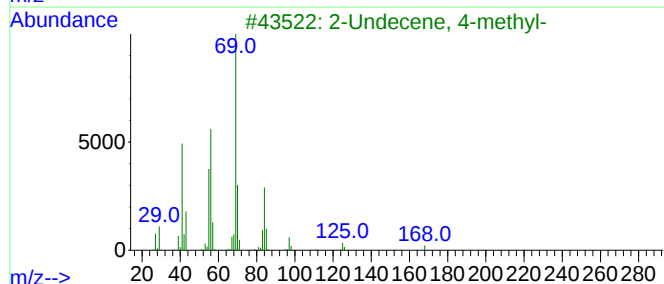
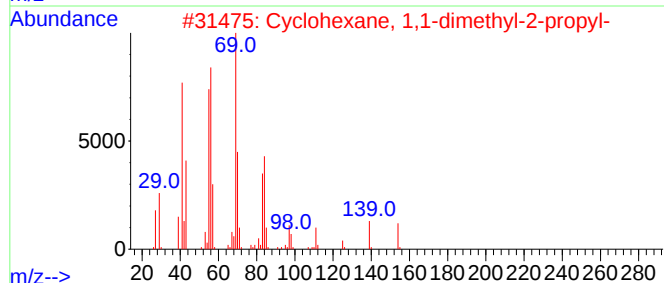
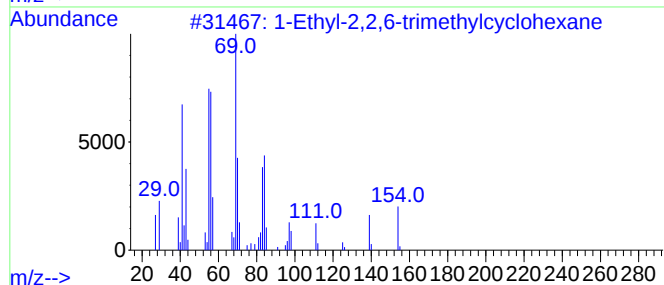
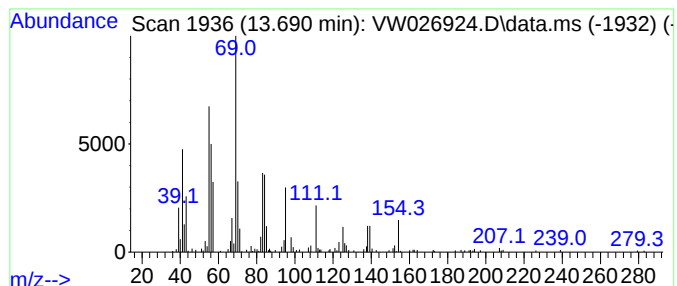
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic13.690 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.690	1.70 ug/L	63401	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	95
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	76
3		2-Undecene, 4-methyl-	168	C12H24	091695-32-8	53
4		5-Undecene, 4-methyl-	168	C12H24	143185-91-5	47
5		4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

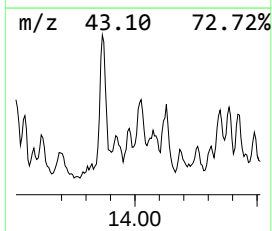
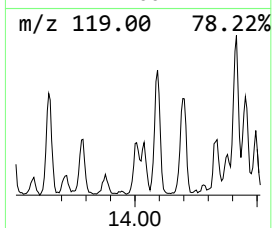
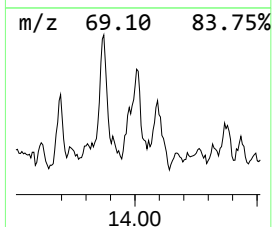
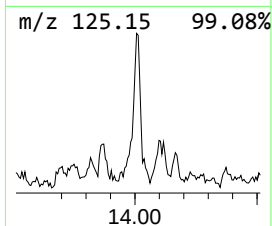
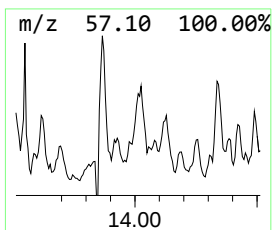
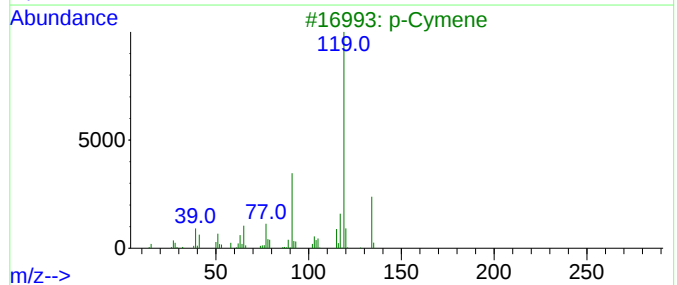
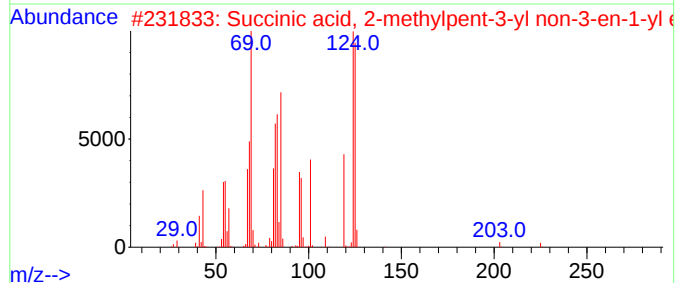
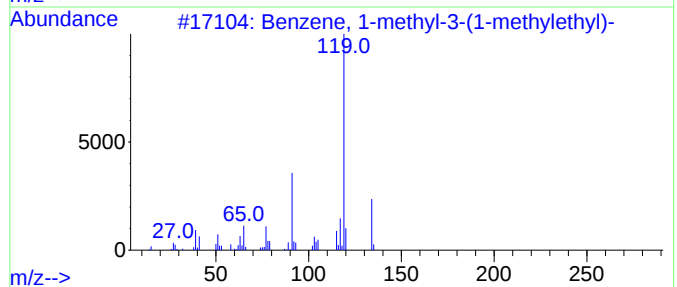
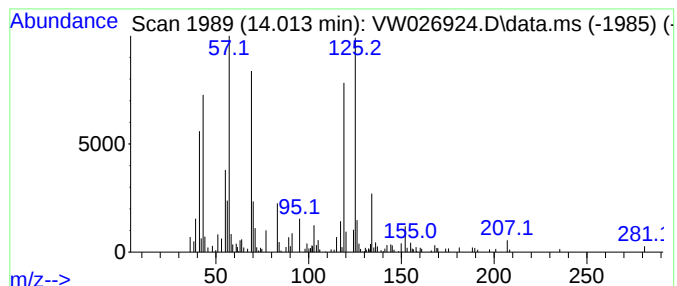
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-04 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.013	1.45 ug/L	54220	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	42
2			Succinic acid, 2-methylpent-3-yl-	326	C19H34O4	1000391-09-3	38
3			p-Cymene	134	C10H14	000099-87-6	38
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	30
5			p-Cymene	134	C10H14	000099-87-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

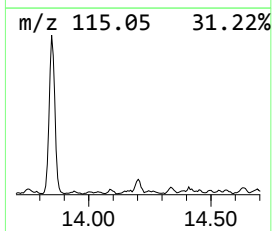
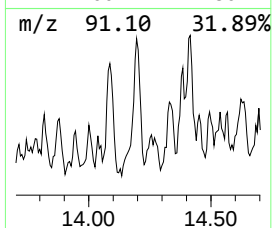
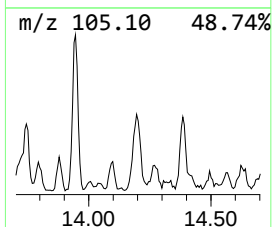
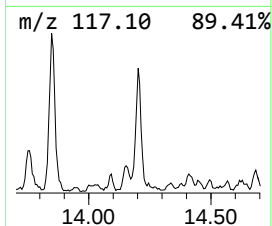
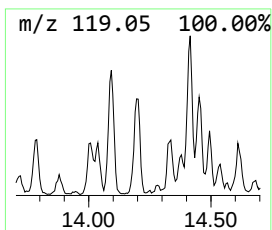
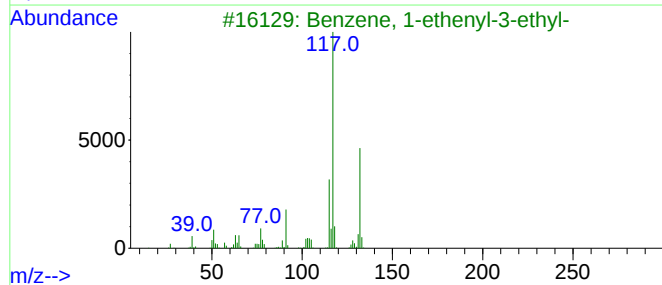
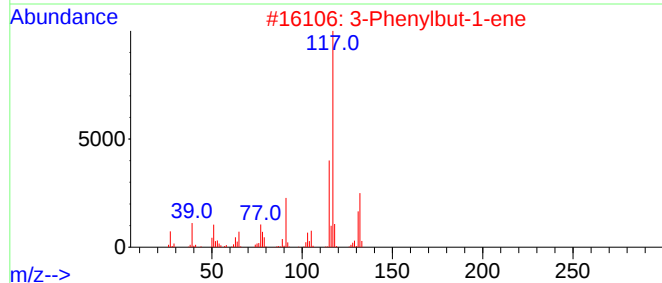
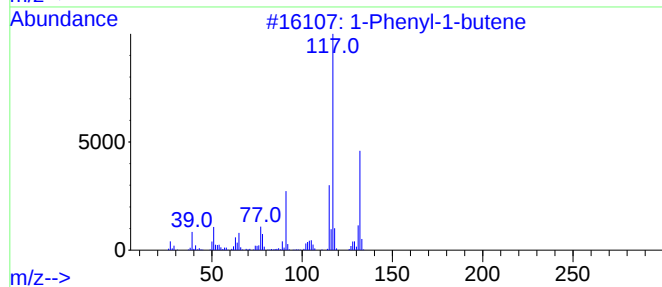
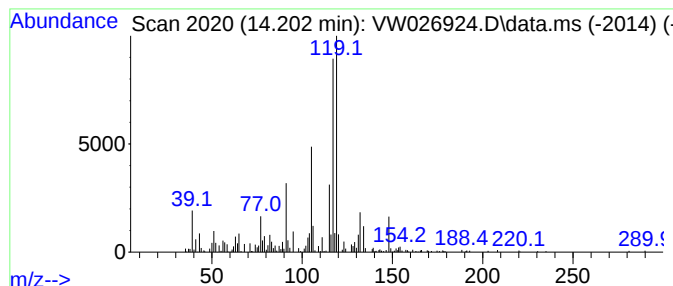
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Quant Title : SFAM01.0

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

Peak Number 38 unknown-05 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	3.76 ug/L	140101	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Phenyl-1-butene	132	C10H12	000824-90-8	46
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	46
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

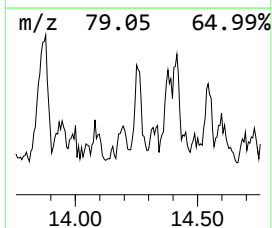
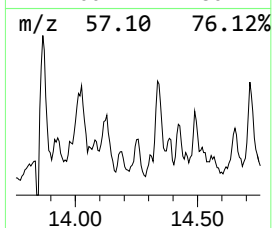
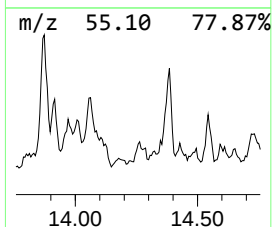
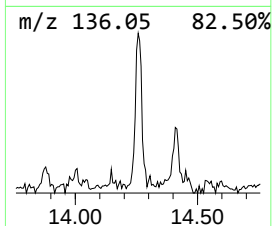
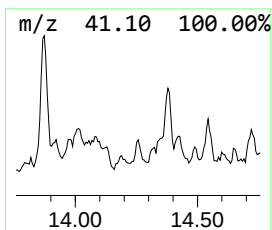
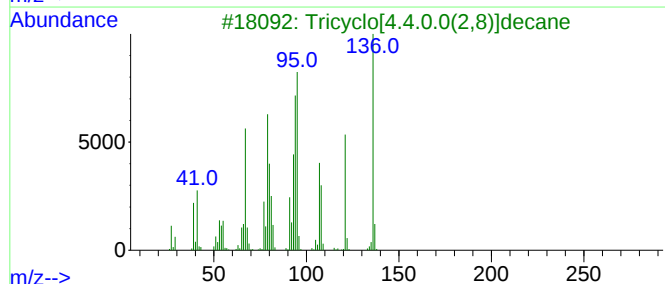
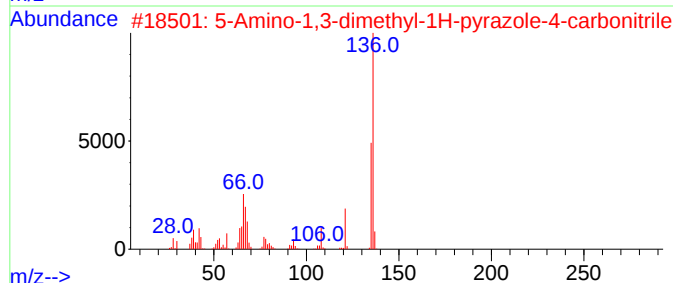
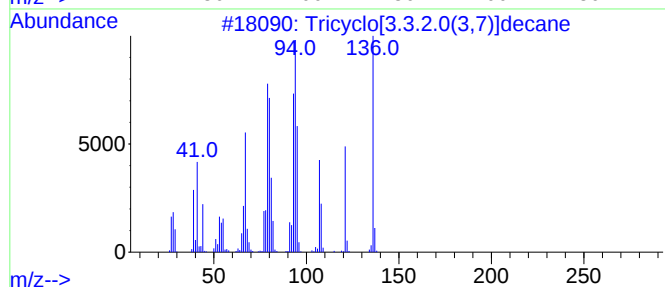
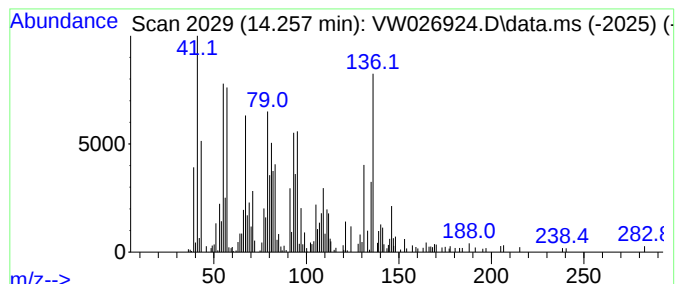
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Quant Title : SFAM01.0

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

Peak Number 39 unknown-06 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	2.61 ug/L	97312	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[3.3.2.0(3,7)]decane	136	C10H16	049700-60-9	46
2			5-Amino-1,3-dimethyl-1H-pyrazole...	136	C6H8N4	054820-92-7	45
3			Tricyclo[4.4.0.0(2,8)]decane	136	C10H16	049700-59-6	38
4			Adamantane	136	C10H16	000281-23-2	38
5			1-(6-Methyl-2-pyrazinyl)-1-ethanone	136	C7H8N2O	022047-26-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

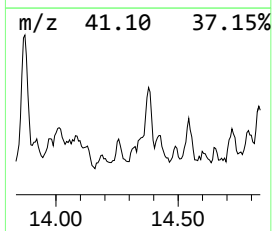
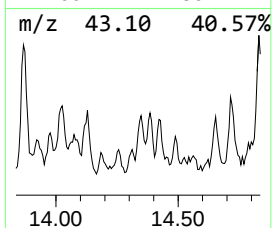
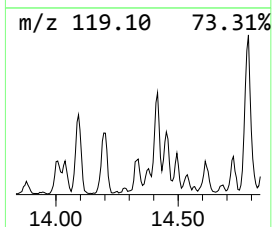
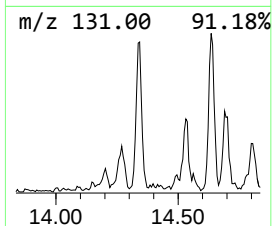
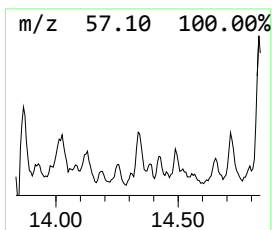
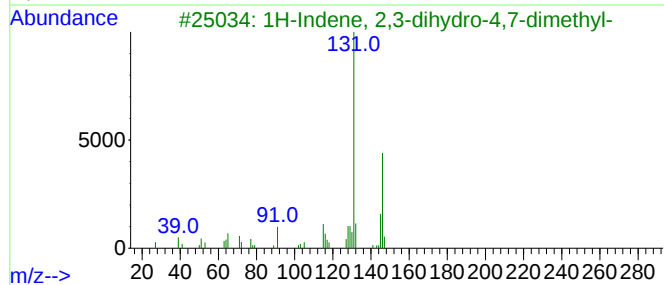
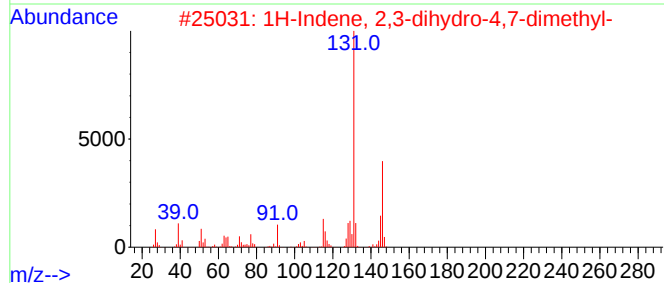
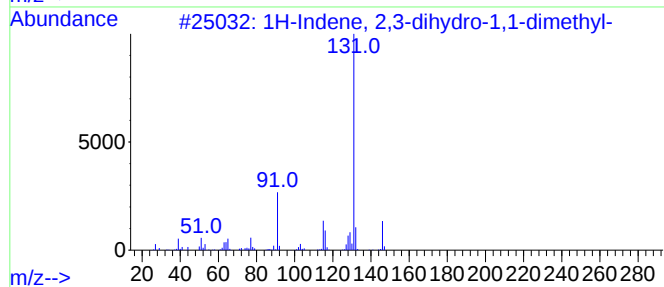
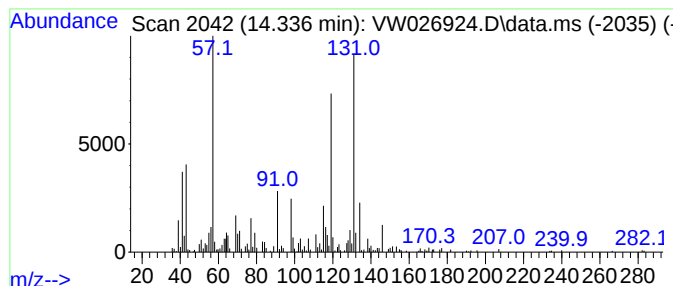
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Quant Title : SFAM01.0

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

Peak Number 40 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	3.70 ug/L	138016	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50		
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	45		
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	45		
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	42		
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	41		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

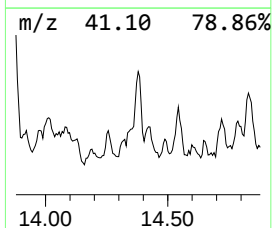
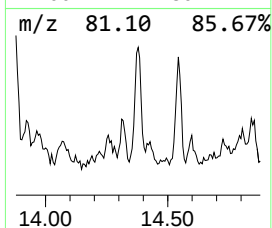
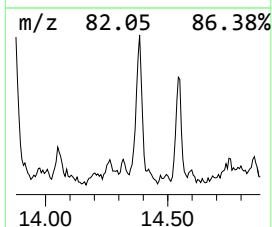
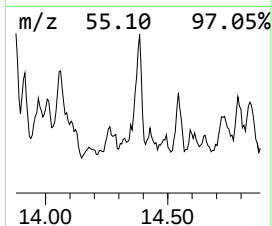
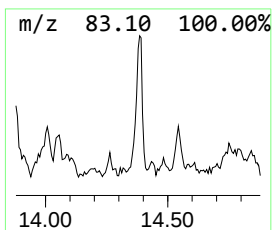
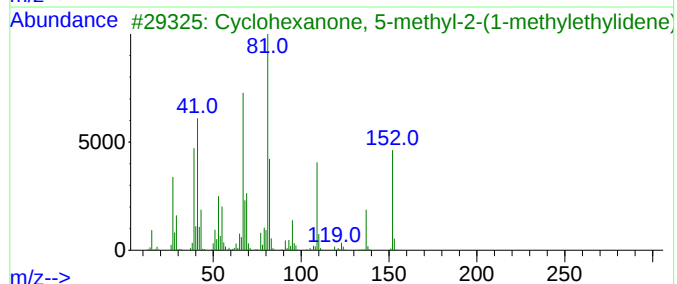
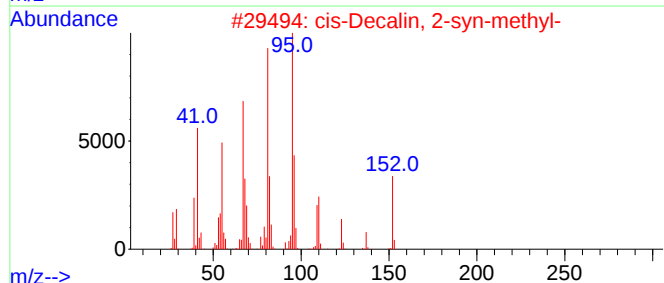
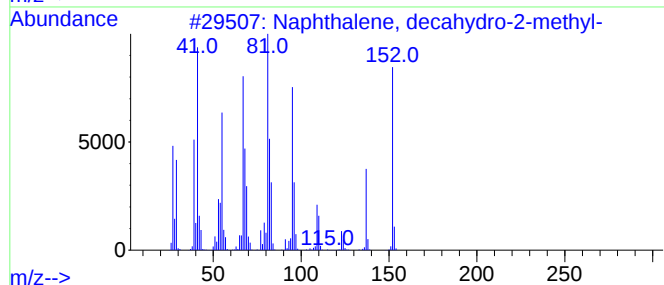
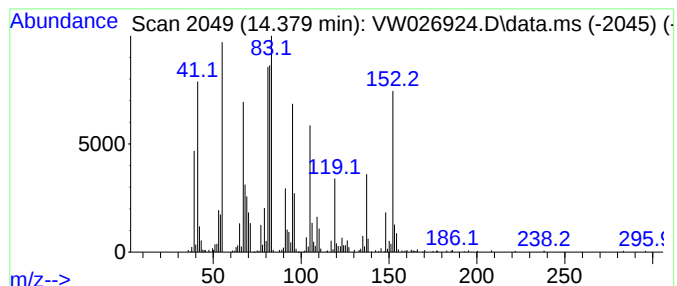
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Quant Title : SFAM01.0

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

Peak Number 41 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	6.62 ug/L	247053	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			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	46
5			Pulegone	152	C10H16O	000089-82-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

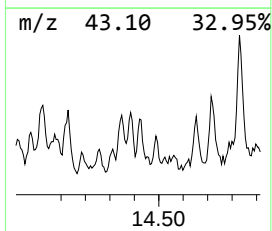
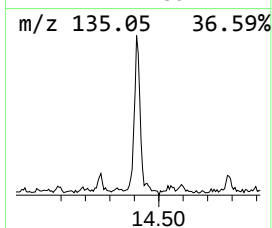
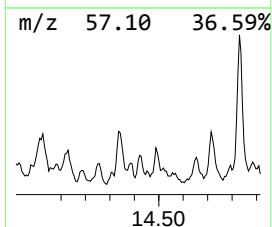
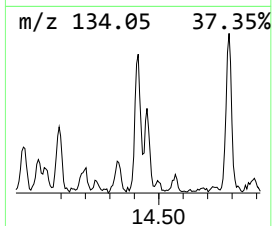
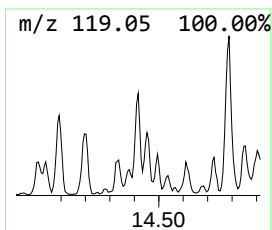
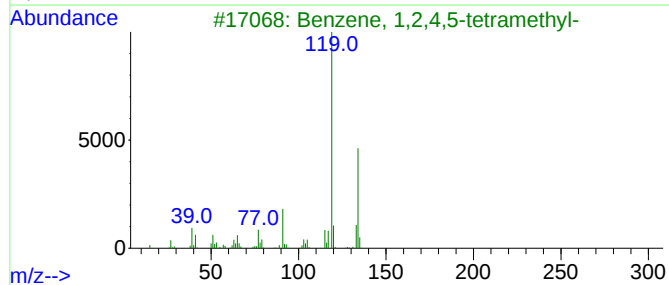
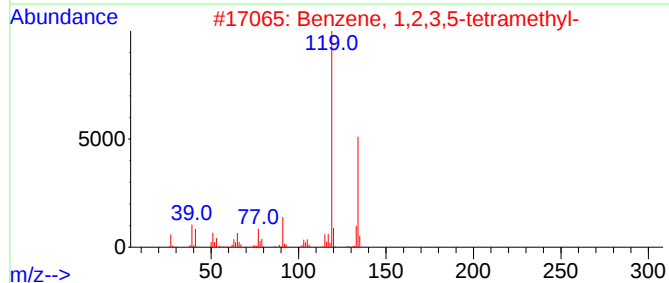
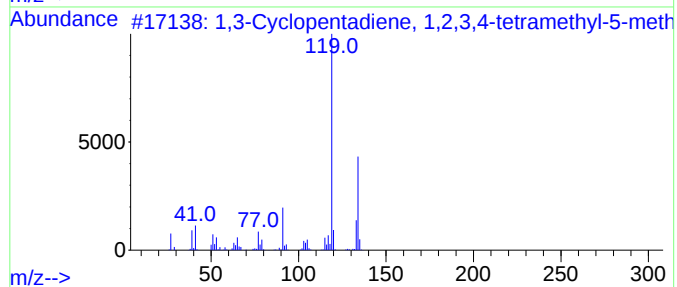
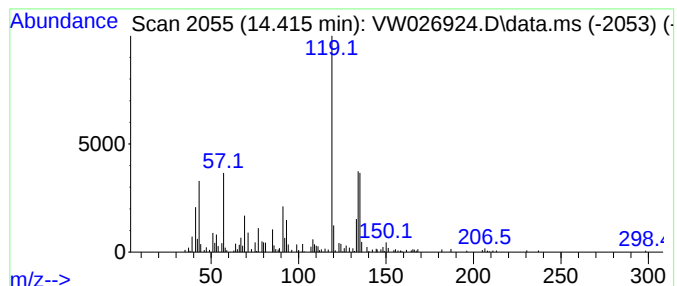
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Quant Title : SFAM01.0

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

Peak Number 42 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.416	2.60 ug/L	97022	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	59
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59
5			5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

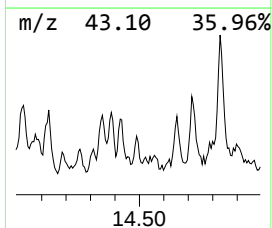
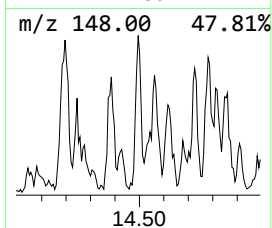
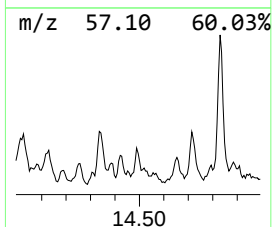
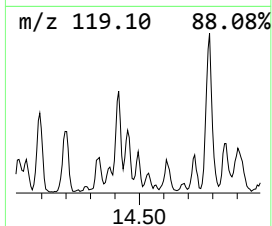
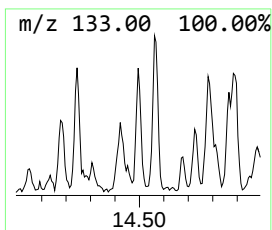
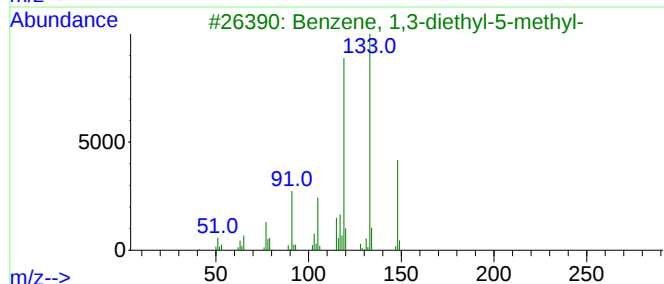
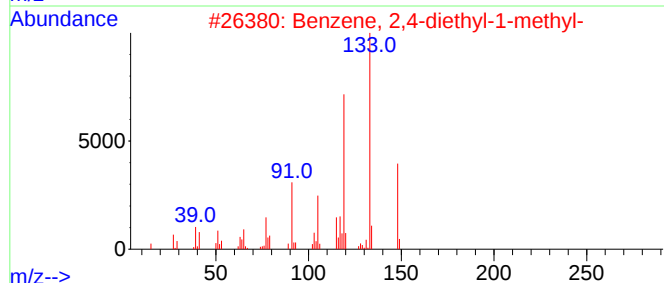
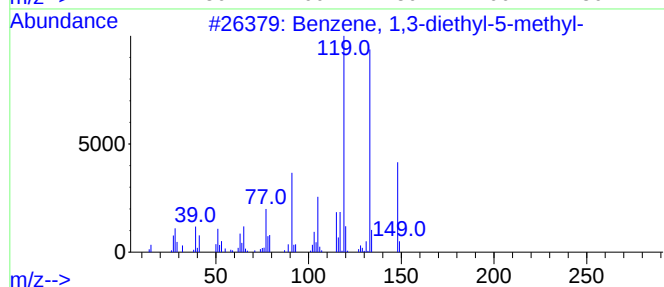
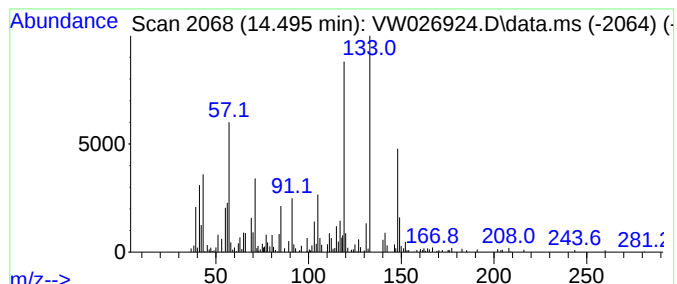
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.54 ug/L	57627	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	87
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5			3,4-Dimethylcumene	148	C11H16	1000370-34-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

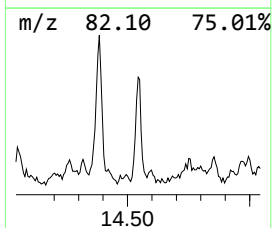
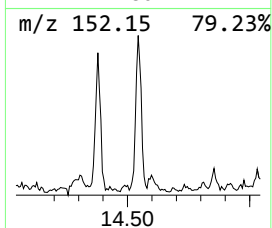
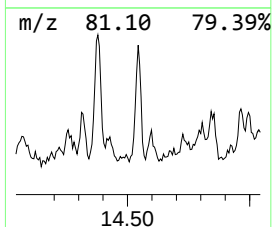
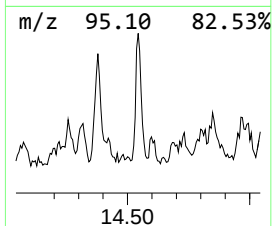
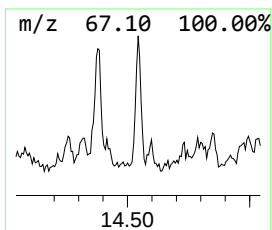
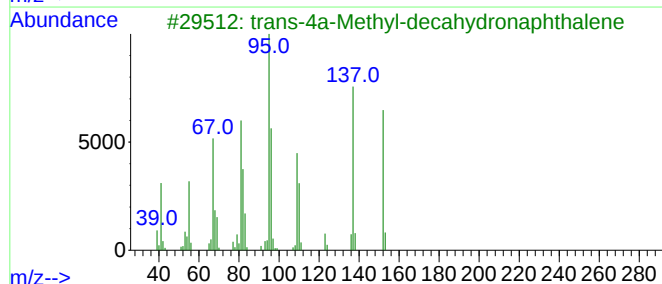
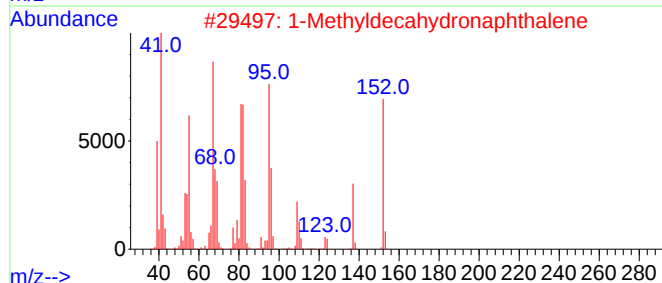
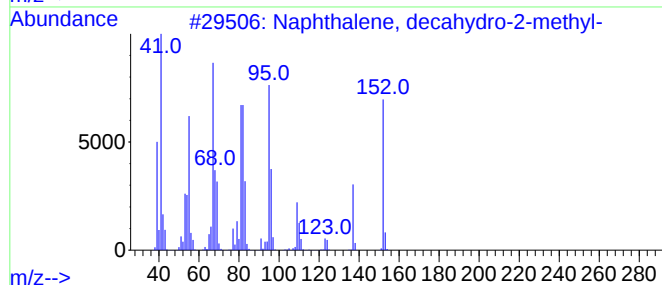
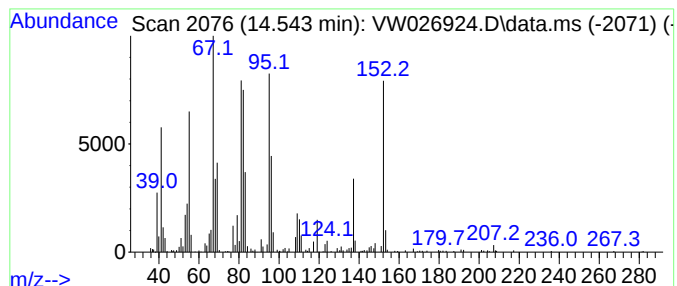
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Quant Title : SFAM01.0

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

Peak Number 44 1-Methyldecahydronaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	4.97 ug/L	185554	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	81
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	81
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
5			Spiro[5.5]undecane	152	C11H20	000180-43-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

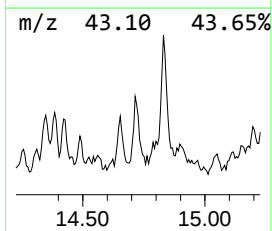
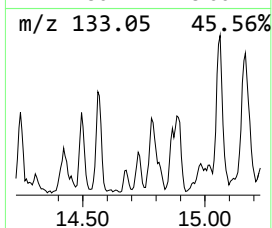
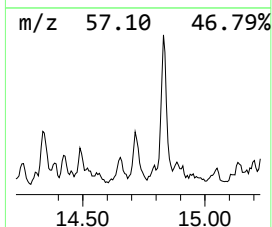
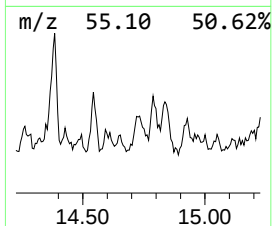
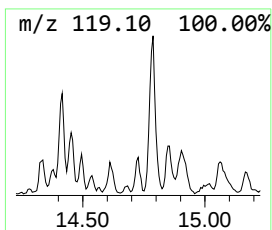
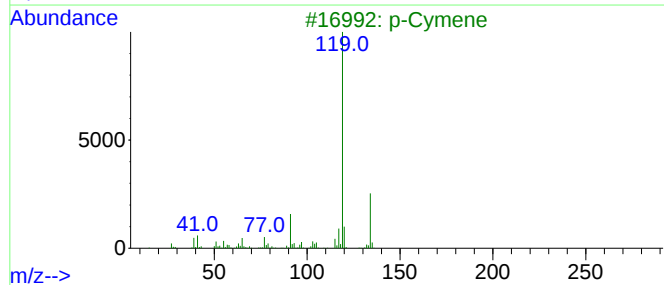
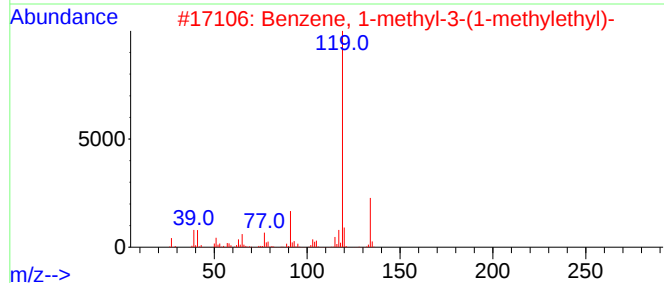
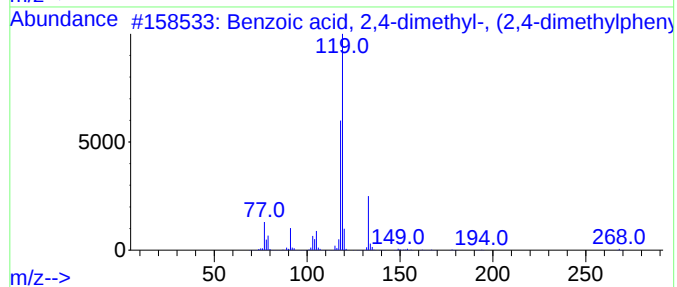
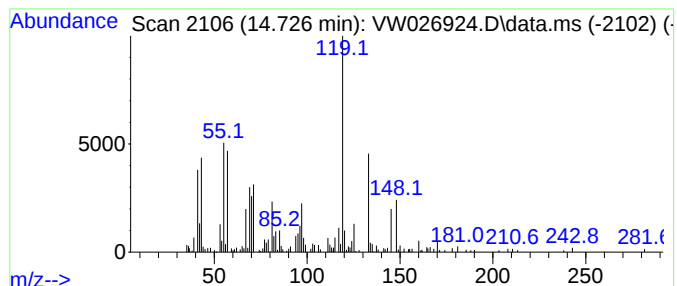
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Quant Title : SFAM01.0

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

Peak Number 45 unknown-07 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.726	2.12 ug/L	79144	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	43
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
3			p-Cymene	134	C10H14	000099-87-6	38
4			3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	38
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

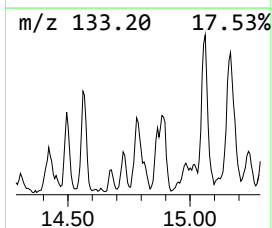
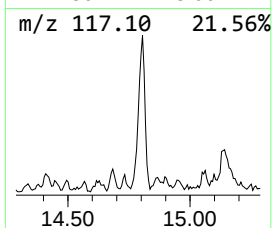
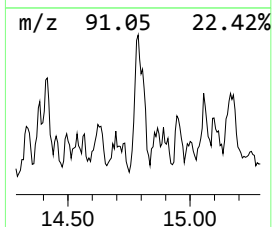
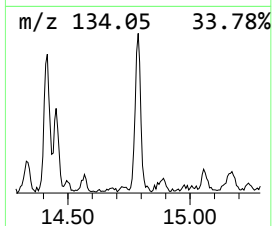
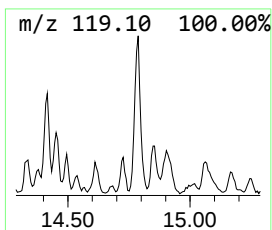
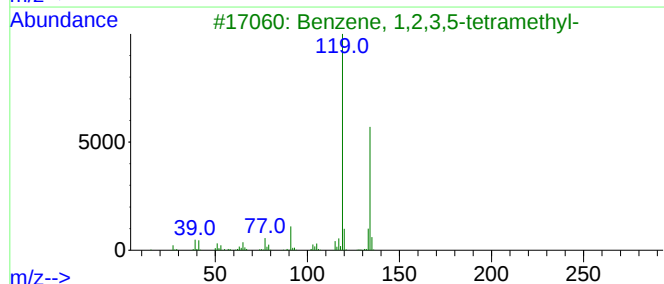
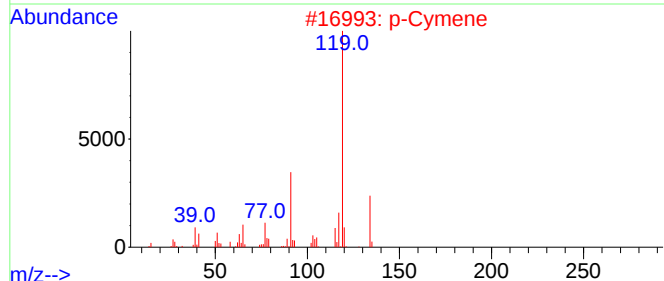
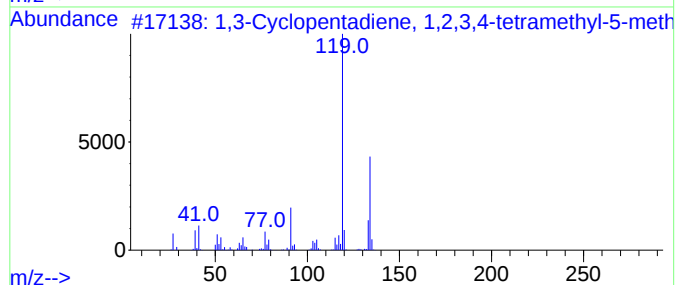
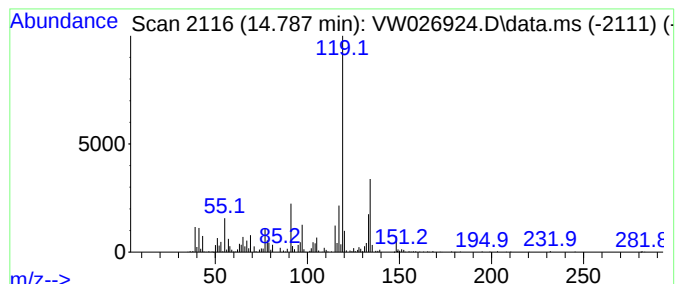
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Quant Title : SFAM01.0

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

Peak Number 46 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	7.53 ug/L	280874	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2			p-Cymene	134	C10H14	000099-87-6	81
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

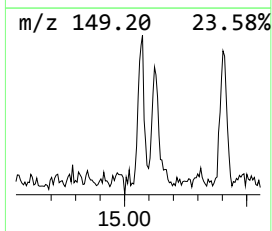
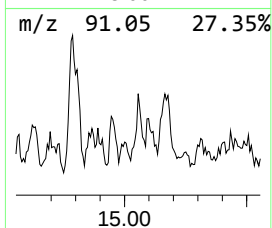
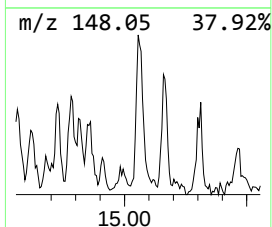
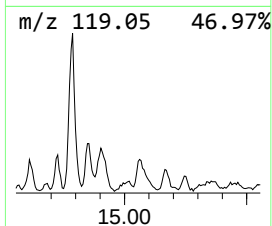
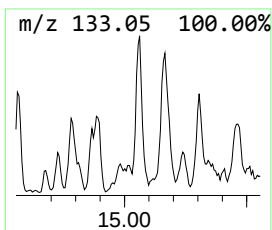
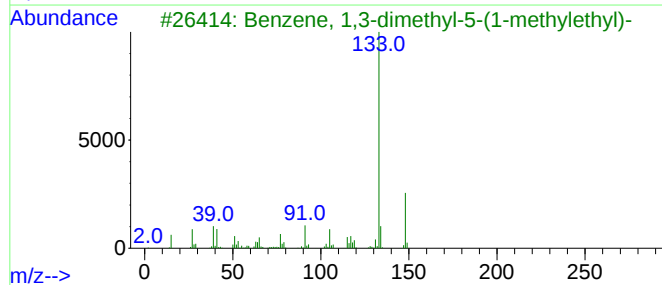
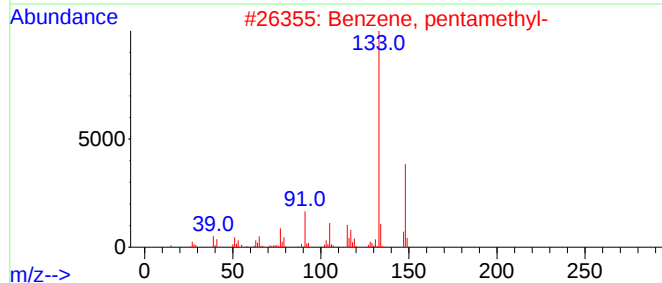
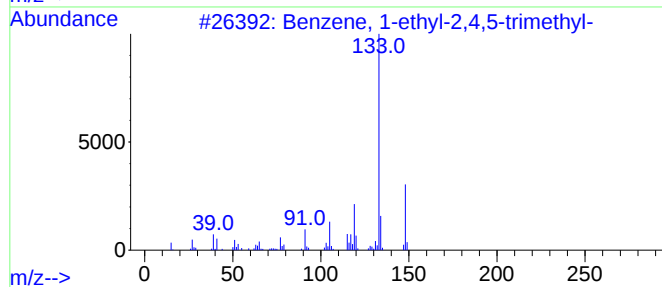
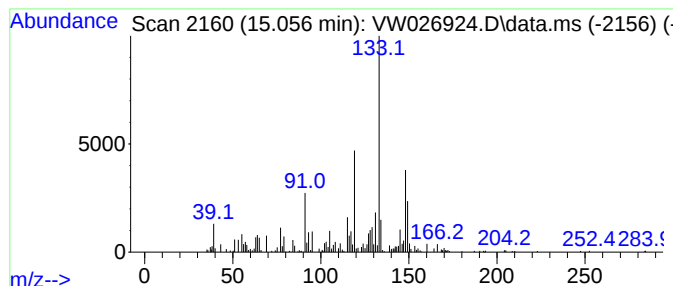
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Quant Title : SFAM01.0

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

Peak Number 47 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	2.16 ug/L	80480	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	62
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	53
3			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
4			1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	49
5			2-tert-Butyltoluene	148	C11H16	001074-92-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

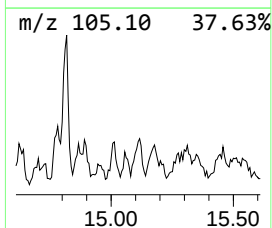
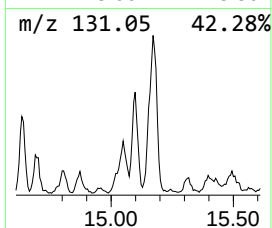
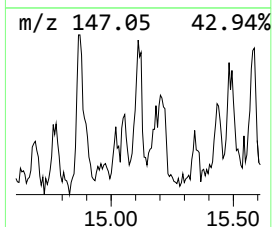
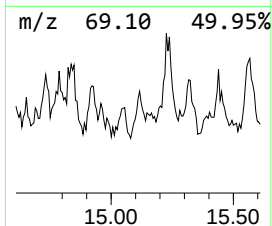
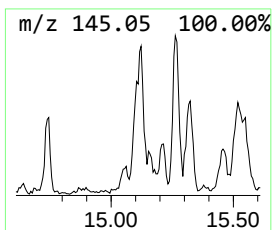
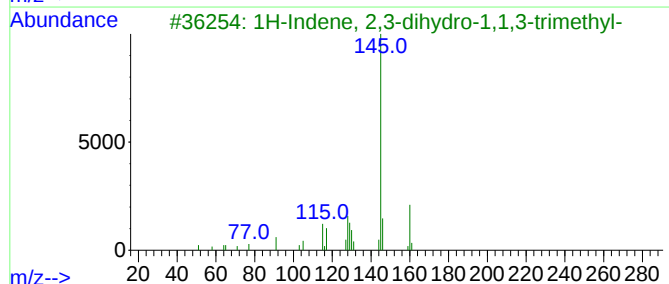
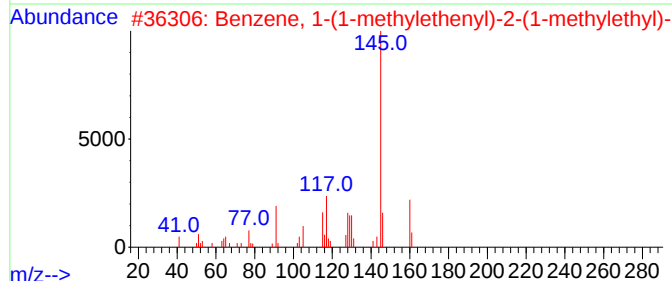
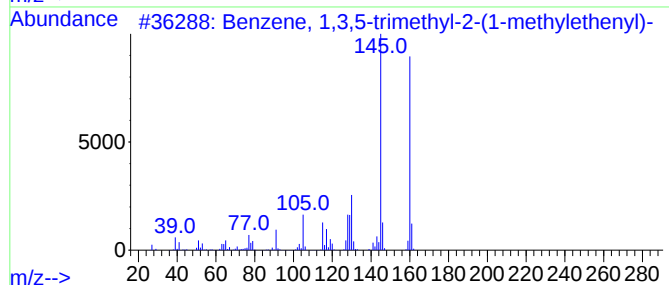
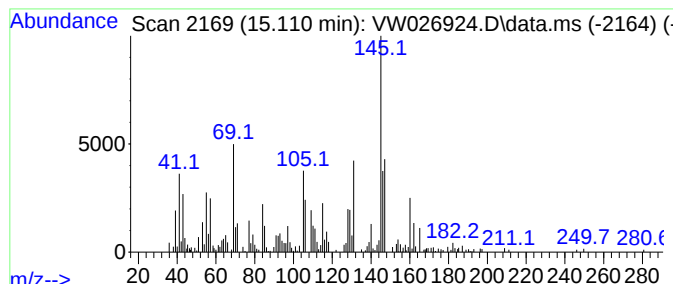
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Quant Title : SFAM01.0

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

Peak Number 48 unknown-08 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.111	2.29 ug/L	85467	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	43
2			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	43
3			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
4			1,3,5-Trisilacyclohexane, 1-methyl-	146	C4H14Si3	018148-11-3	38
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

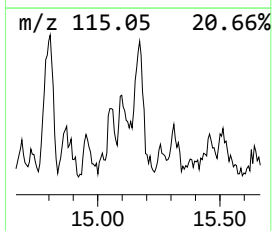
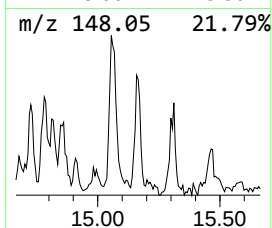
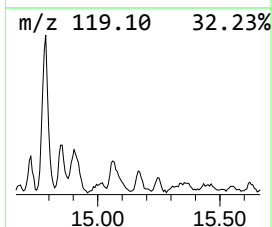
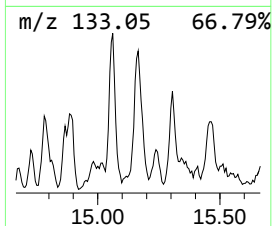
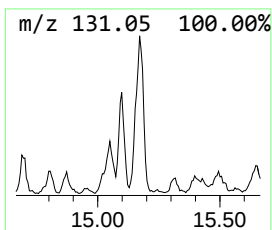
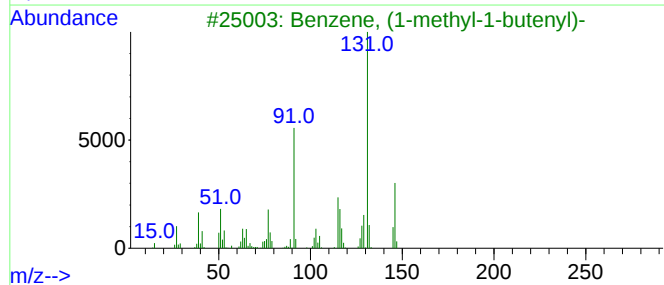
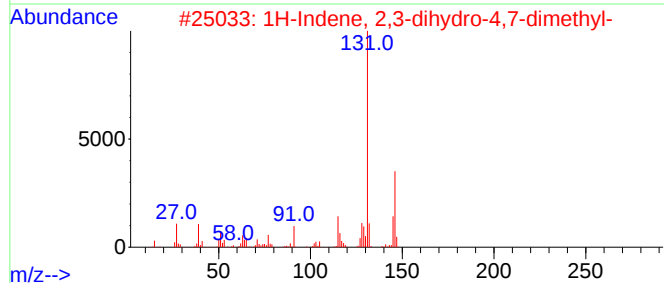
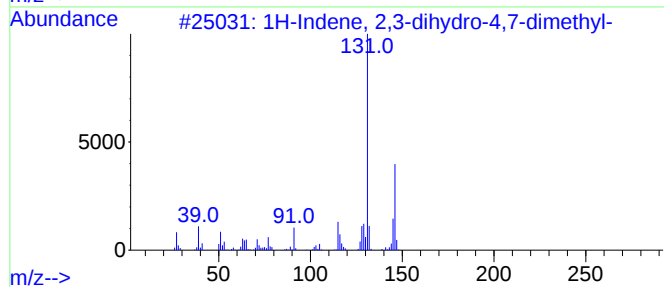
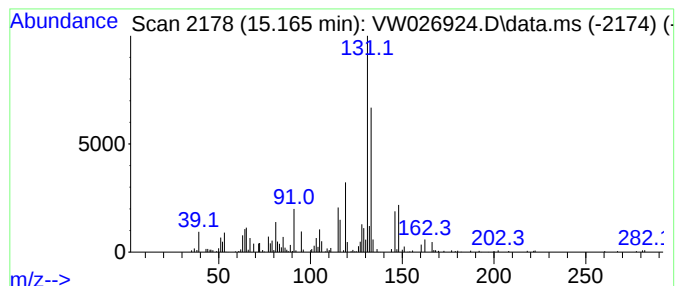
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Quant Title : SFAM01.0

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

Peak Number 49 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	3.57 ug/L	133138	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

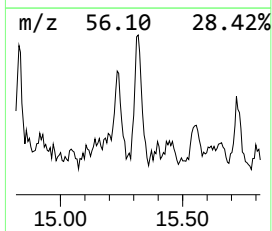
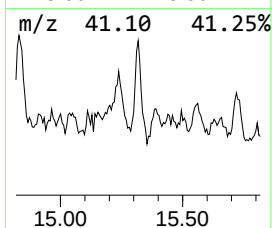
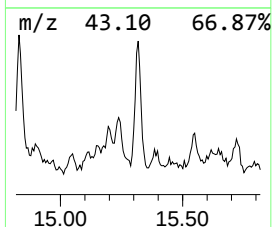
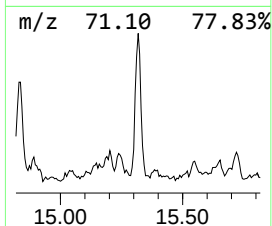
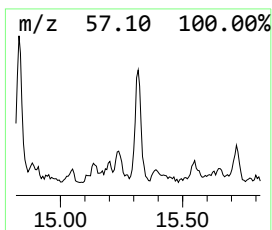
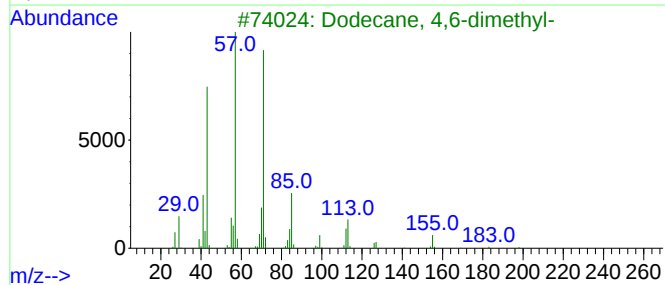
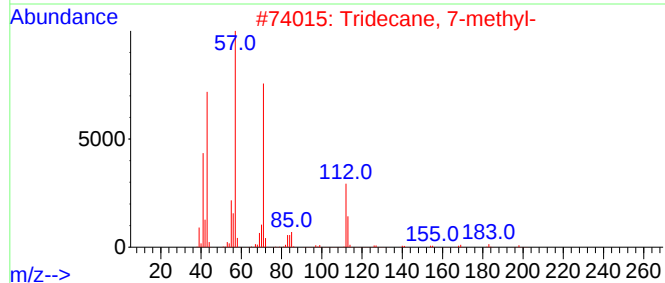
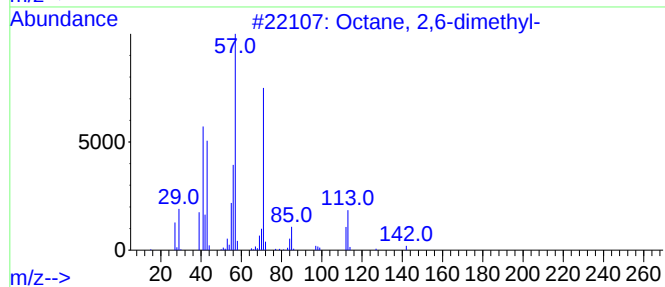
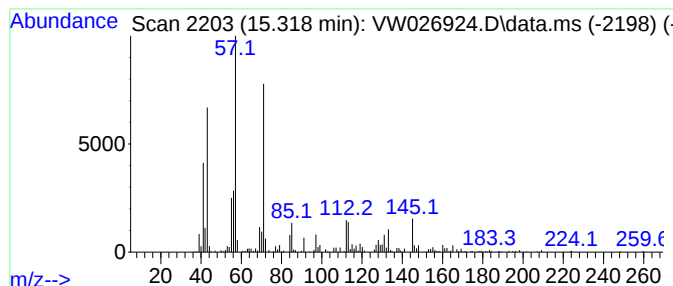
Instrument :
MSVOA_W
ClientSampleId :
EZYG7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.318	5.31 ug/L	198037	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	72
2	Tridecane, 7-methyl-		198	C14H30	026730-14-3	70
3	Dodecane, 4,6-dimethyl-		198	C14H30	061141-72-8	70
4	Decane, 4-methyl-		156	C11H24	002847-72-5	68
5	Decane, 2-methyl-		156	C11H24	006975-98-0	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

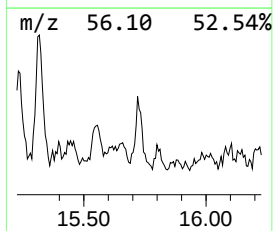
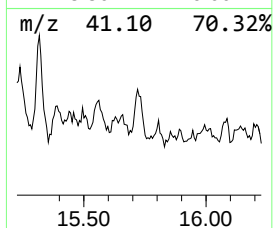
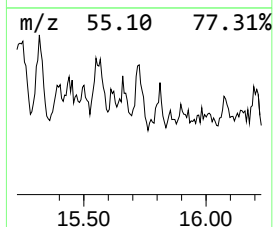
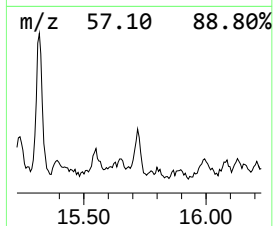
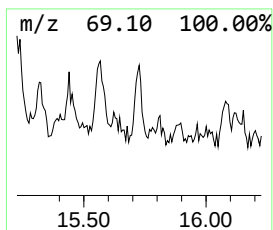
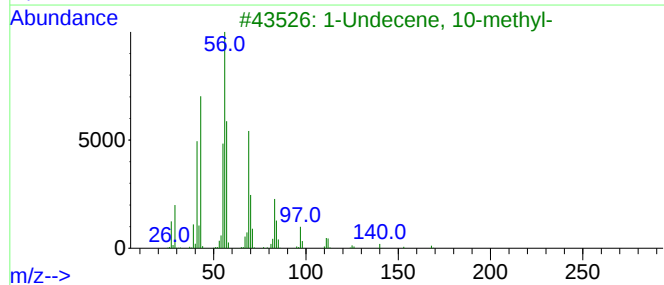
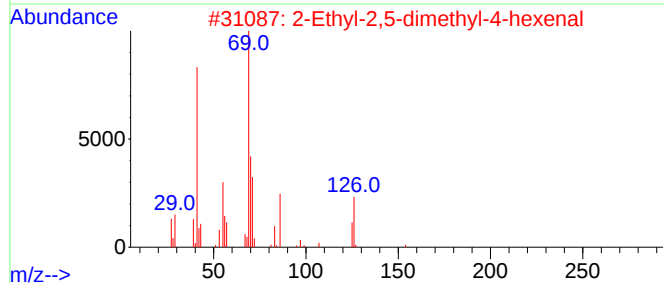
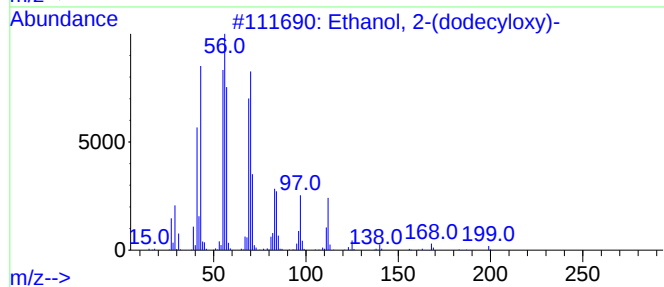
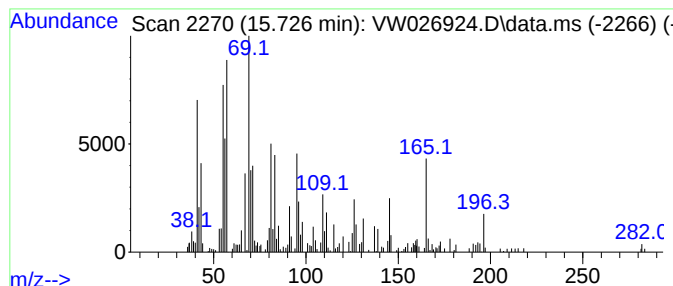
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 unknown-09

Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.726	2.29 ug/L	85493	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	38
2			2-Ethyl-2,5-dimethyl-4-hexenal	154	C10H18O	1010433-27-1	27
3			1-Undecene, 10-methyl-	168	C12H24	022370-55-4	25
4			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	18
5			Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026924.D
Acq On : 26 Aug 2023 03:52
Operator : SY/MD
Sample : 04175-03
Misc : 5.85g/10mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYG7

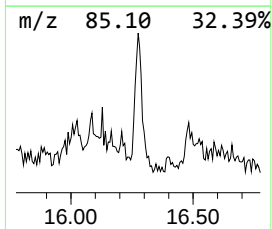
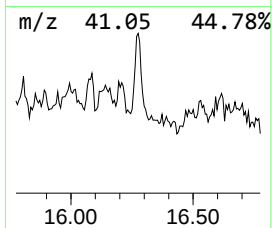
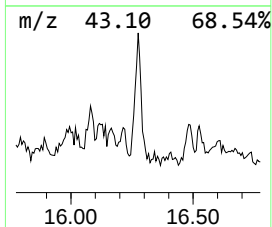
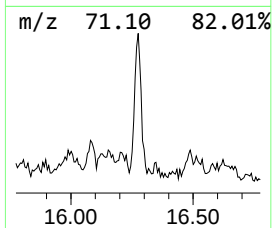
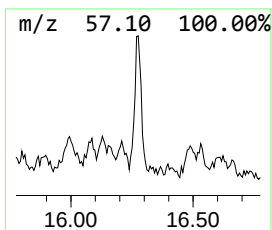
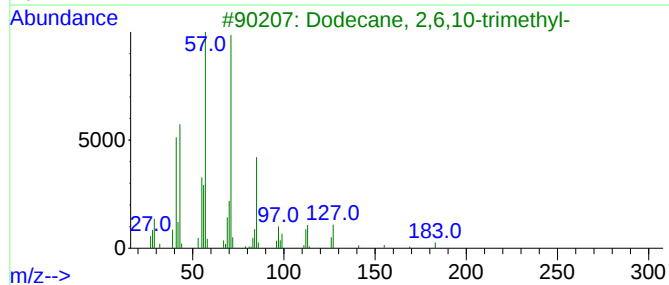
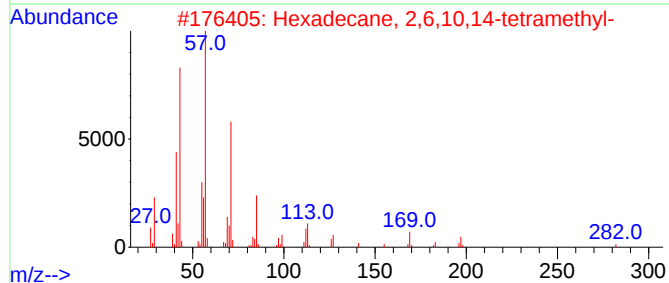
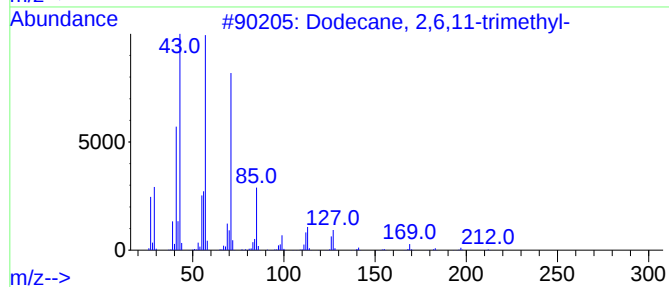
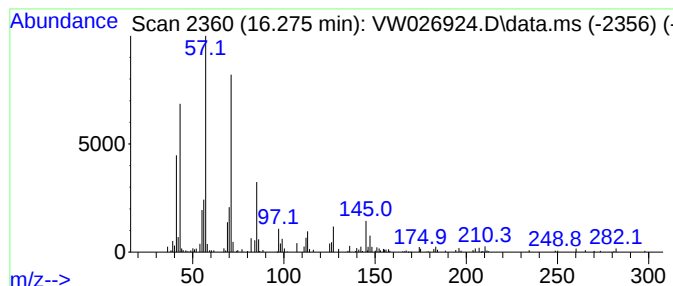
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Quant Title : SFAM01.0

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	3.05 ug/L	113912	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	81
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	74
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	74
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026924.D
 Acq On : 26 Aug 2023 03:52
 Operator : SY/MD
 Sample : 04175-03
 Misc : 5.85g/10mL/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZG7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Butenal, (E)-	1.966	4.2	ug/L	262183	1	8.843	1551820	25.0
(DEL) Alkane: S...	3.027	3.1	ug/L	195753	1	8.843	1551820	25.0
(DEL) Alkane: S...	3.387	2.8	ug/L	174469	1	8.843	1551820	25.0
(DEL) Alkane: S...	5.441	5.3	ug/L	329774	1	8.843	1551820	25.0
(DEL) Alkane: S...	5.941	2.4	ug/L	150564	1	8.843	1551820	25.0
(DEL) Alkane: C...	6.984	1.6	ug/L	98606	1	8.843	1551820	25.0
(DEL) Alkane: S...	8.032	3.0	ug/L	182821	1	8.843	1551820	25.0
(DEL) Alkane: S...	8.154	6.5	ug/L	403886	1	8.843	1551820	25.0
1-Butanol, 2-et...	8.423	1.8	ug/L	113197	1	8.843	1551820	25.0
(DEL) Alkane: S...	8.691	1.6	ug/L	100748	1	8.843	1551820	25.0
Propanoic acid,...	9.081	5.7	ug/L	356036	1	8.843	1551820	25.0
(DEL) Alkane: C...	9.514	1.4	ug/L	86641	1	8.843	1551820	25.0
(DEL) Alkane: C...	9.746	1.5	ug/L	92395	1	8.843	1551820	25.0
(DEL) Alkane: S...	9.953	2.4	ug/L	146336	1	8.843	1551820	25.0
(DEL) Alkane: S...	10.093	4.9	ug/L	303166	1	8.843	1551820	25.0
(DEL) Alkane: S...	10.502	2.9	ug/L	165125	2	11.629	1438760	25.0
(DEL) Alkane: C...	10.666	1.4	ug/L	79188	2	11.629	1438760	25.0
(DEL) Alkane: C...	10.752	1.3	ug/L	72159	2	11.629	1438760	25.0
(DEL) Alkane: C...	11.178	2.2	ug/L	126231	2	11.629	1438760	25.0
(DEL) Alkane: C...	11.227	3.3	ug/L	189575	2	11.629	1438760	25.0
(DEL) Alkane: S...	11.410	4.6	ug/L	266545	2	11.629	1438760	25.0
(DEL) Alkane: S...	11.507	2.1	ug/L	121908	2	11.629	1438760	25.0
unknown-01	11.727	1.5	ug/L	85668	2	11.629	1438760	25.0
(DEL) Alkane: S...	12.245	2.0	ug/L	112908	2	11.629	1438760	25.0
(DEL) Alkane: S...	12.361	12.8	ug/L	738869	2	11.629	1438760	25.0
.alpha.-Pinene	12.471	5.3	ug/L	303003	2	11.629	1438760	25.0
Cyclohexene, 4-...	12.513	1.9	ug/L	107161	2	11.629	1438760	25.0
unknown-02	12.617	1.4	ug/L	53528	3	13.556	932688	25.0
(DEL) Alkane: S...	12.775	6.4	ug/L	239405	3	13.556	932688	25.0
unknown-03	12.861	4.4	ug/L	163343	3	13.556	932688	25.0
Bicyclo[2.2.1]h...	13.038	10.1	ug/L	375470	3	13.556	932688	25.0
(DEL) Alkane: S...	13.160	6.3	ug/L	235960	3	13.556	932688	25.0
(DEL) Alkane: C...	13.440	8.6	ug/L	320588	3	13.556	932688	25.0
Benzene, 1,2,3,...	13.489	4.8	ug/L	181122	3	13.556	932688	25.0
(DEL) Alkane: C...	13.690	1.7	ug/L	63401	3	13.556	932688	25.0
unknown-04	14.013	1.5	ug/L	54220	3	13.556	932688	25.0
unknown-05	14.202	3.8	ug/L	140101	3	13.556	932688	25.0
unknown-06	14.257	2.6	ug/L	97312	3	13.556	932688	25.0
1H-Indene, 2,3-...	14.336	3.7	ug/L	138016	3	13.556	932688	25.0
Naphthalene, de...	14.379	6.6	ug/L	247053	3	13.556	932688	25.0
1,3-Cyclopentad...	14.416	2.6	ug/L	97022	3	13.556	932688	25.0
Benzene, 1,3-di...	14.495	1.5	ug/L	57627	3	13.556	932688	25.0
1-Methyldecahyd...	14.544	5.0	ug/L	185554	3	13.556	932688	25.0
unknown-07	14.726	2.1	ug/L	79144	3	13.556	932688	25.0
Benzene, 1,2,3,...	14.787	7.5	ug/L	280874	3	13.556	932688	25.0
Benzene, 1-ethy...	15.056	2.2	ug/L	80480	3	13.556	932688	25.0
unknown-08	15.111	2.3	ug/L	85467	3	13.556	932688	25.0
1H-Indene, 2,3-...	15.165	3.6	ug/L	133138	3	13.556	932688	25.0
(DEL) Alkane: S...	15.318	5.3	ug/L	198037	3	13.556	932688	25.0
unknown-09	15.726	2.3	ug/L	85493	3	13.556	932688	25.0
(DEL) Alkane: S...	16.275	3.0	ug/L	113912	3	13.556	932688	25.0