

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
 Data File : VW027377.D
 Acq On : 20 Oct 2023 16:34
 Operator : SY/MD
 Sample : 04922-03
 Misc : 5.98g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EOAQ9

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\SFAMWLM101123SMA.M
 Title : SFAM01.0

Signal : TIC: VW027377.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.368	68	79	92	rVV	70491	196659	9.07%	0.562%
2	2.899	159	166	181	rVV2	50661	139539	6.43%	0.399%
3	4.027	338	351	363	rBV	125403	408029	18.81%	1.166%
4	4.130	363	368	384	rVB	22228	65307	3.01%	0.187%
5	4.917	487	497	508	rBV	21840	82479	3.80%	0.236%
6	6.990	828	837	844	rVV2	12451	37651	1.74%	0.108%
7	7.081	844	852	857	rVV	73781	203359	9.38%	0.581%
8	7.136	857	861	877	rVB2	70119	224501	10.35%	0.642%
9	7.654	934	946	962	rBV	207415	547061	25.22%	1.563%
10	7.947	983	994	1002	rBV4	17040	61093	2.82%	0.175%
11	8.160	1017	1029	1036	rBV5	14022	36388	1.68%	0.104%
12	8.276	1039	1048	1066	rVB3	419216	1527052	70.40%	4.364%
13	8.471	1066	1080	1092	rBV7	21782	106554	4.91%	0.305%
14	8.690	1108	1116	1131	rVB	26373	61901	2.85%	0.177%
15	8.843	1131	1141	1153	rBV	480058	969969	44.72%	2.772%
16	9.068	1171	1178	1185	rBV2	21256	55714	2.57%	0.159%
17	9.276	1203	1212	1217	rBV	300268	637316	29.38%	1.821%
18	9.331	1217	1221	1227	rVV3	79630	175635	8.10%	0.502%
19	9.751	1285	1290	1300	rVB2	41050	82773	3.82%	0.237%
20	9.891	1308	1313	1319	rVB	44232	82465	3.80%	0.236%
21	9.959	1319	1324	1327	rBV	49256	82247	3.79%	0.235%
22	10.038	1331	1337	1342	rVV	118075	206510	9.52%	0.590%
23	10.093	1342	1346	1358	rVB	48883	120978	5.58%	0.346%
24	10.202	1358	1364	1368	rBV2	22767	45564	2.10%	0.130%
25	10.245	1368	1371	1376	rVB2	31636	50796	2.34%	0.145%
26	10.324	1376	1384	1390	rBV	490546	911655	42.03%	2.605%
27	10.385	1390	1394	1399	rVB	38343	68354	3.15%	0.195%
28	10.507	1406	1414	1419	rVB3	65075	141003	6.50%	0.403%
29	10.574	1419	1425	1435	rVB	94083	188505	8.69%	0.539%
30	10.660	1435	1439	1444	rBV2	29022	61857	2.85%	0.177%
31	10.757	1448	1455	1462	rVB5	35188	88298	4.07%	0.252%
32	10.842	1462	1469	1475	rVB3	26133	72836	3.36%	0.208%
33	10.922	1475	1482	1490	rBV	280202	511138	23.57%	1.461%
34	11.019	1490	1498	1502	rBV7	23487	74776	3.45%	0.214%
35	11.178	1519	1524	1528	rVV	59167	108246	4.99%	0.309%
36	11.227	1528	1532	1537	rVV	53809	94181	4.34%	0.269%

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

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Title : SFAM01.0

37	11.330	1545	1549	1554	rVV3	35765	55639	2.57%	0.159%
38	11.409	1554	1562	1573	rVB5	67419	215392	9.93%	0.616%
39	11.507	1573	1578	1589	rBV2	72883	155073	7.15%	0.443%
40	11.629	1591	1598	1605	rBV	512716	884157	40.76%	2.527%
41	11.726	1609	1614	1619	rVV2	72488	144559	6.66%	0.413%
42	11.836	1623	1632	1642	rVV	928486	1943990	89.63%	5.556%
43	11.909	1642	1644	1649	rVB3	39704	60227	2.78%	0.172%
44	11.976	1649	1655	1659	rBV7	18400	41704	1.92%	0.119%
45	12.062	1664	1669	1674	rVB3	21467	41150	1.90%	0.118%
46	12.159	1674	1685	1693	rBV	1212329	2168994	100.00%	6.199%
47	12.245	1696	1699	1704	rVB2	58193	86023	3.97%	0.246%
48	12.336	1704	1714	1716	rBV4	104579	232022	10.70%	0.663%
49	12.458	1729	1734	1739	rBV	120792	198412	9.15%	0.567%
50	12.647	1762	1765	1767	rBV	36769	41808	1.93%	0.119%
51	12.690	1767	1772	1781	rVV2	258208	524098	24.16%	1.498%
52	12.799	1782	1790	1795	rVV	345238	637210	29.38%	1.821%
53	12.860	1795	1800	1804	rVV	347904	633273	29.20%	1.810%
54	12.897	1804	1806	1808	rVV2	192901	252406	11.64%	0.721%
55	12.934	1808	1812	1818	rVV3	349559	707861	32.64%	2.023%
56	12.988	1818	1821	1825	rVB2	38216	55987	2.58%	0.160%
57	13.098	1831	1839	1845	rBV	774637	1325964	61.13%	3.789%
58	13.159	1845	1849	1858	rVB3	111034	208813	9.63%	0.597%
59	13.245	1858	1863	1868	rBV	297872	451265	20.81%	1.290%
60	13.287	1868	1870	1875	rVB4	31771	41670	1.92%	0.119%
61	13.373	1875	1884	1889	rBV2	105257	275944	12.72%	0.789%
62	13.440	1890	1895	1899	rVB2	119980	179190	8.26%	0.512%
63	13.482	1899	1902	1909	rVB5	60017	109507	5.05%	0.313%
64	13.555	1909	1914	1915	rBV2	358921	490830	22.63%	1.403%
65	13.580	1915	1918	1923	rVB	413671	617161	28.45%	1.764%
66	13.714	1933	1940	1942	rBV	258955	411635	18.98%	1.176%
67	13.751	1942	1946	1951	rVV2	495205	787833	36.32%	2.251%
68	13.866	1959	1965	1971	rVB4	559357	1084941	50.02%	3.101%
69	13.940	1973	1977	1984	rVB	238934	357588	16.49%	1.022%
70	14.007	1984	1988	1990	rBV	75568	107138	4.94%	0.306%
71	14.092	1996	2002	2007	rVB	778427	1154752	53.24%	3.300%
72	14.153	2009	2012	2015	rVV	69972	85776	3.95%	0.245%
73	14.202	2015	2020	2025	rVB2	504962	830304	38.28%	2.373%
74	14.257	2025	2029	2035	rVB6	48930	102129	4.71%	0.292%
75	14.336	2035	2042	2046	rBV4	139571	282243	13.01%	0.807%
76	14.415	2046	2055	2059	rVV	542169	1080251	49.80%	3.087%

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77	14.452	2059	2061	2064	rVV	150886	161347	7.44%	0.461%
78	14.494	2064	2068	2071	rVV2	145163	184698	8.52%	0.528%
79	14.537	2071	2075	2082	rVB4	75253	150732	6.95%	0.431%
80	14.635	2087	2091	2094	rBV	74796	96242	4.44%	0.275%
81	14.683	2094	2099	2102	rBV2	296812	479169	22.09%	1.369%
82	14.720	2102	2105	2110	rVB3	198739	299419	13.80%	0.856%
83	14.799	2110	2118	2133	rBV4	689776	1955408	90.15%	5.588%
84	14.952	2139	2143	2149	rVB2	91170	154838	7.14%	0.442%
85	15.055	2151	2160	2164	rBV2	234489	483311	22.28%	1.381%
86	15.098	2164	2167	2171	rVB	74978	107876	4.97%	0.308%
87	15.165	2172	2178	2186	rBV2	200043	487110	22.46%	1.392%
88	15.317	2197	2203	2207	rBV2	202296	365783	16.86%	1.045%
89	15.360	2207	2210	2218	rVB	73683	159042	7.33%	0.455%
90	15.464	2223	2227	2230	rVV3	64762	97759	4.51%	0.279%
91	15.549	2238	2241	2248	rVB7	97818	189683	8.75%	0.542%
92	15.647	2249	2257	2263	rBV	143737	335014	15.45%	0.957%
93	15.720	2264	2269	2276	rVB5	139767	259750	11.98%	0.742%
94	15.811	2279	2284	2288	rBV4	74808	155577	7.17%	0.445%
95	15.939	2301	2305	2309	rBV	39789	66932	3.09%	0.191%
96	16.012	2311	2317	2323	rVB5	83984	215556	9.94%	0.616%
97	16.171	2339	2343	2347	rBV6	34915	63604	2.93%	0.182%
98	16.274	2355	2360	2368	rVB	120127	214765	9.90%	0.614%
99	16.427	2380	2385	2391	rBV2	74947	152577	7.03%	0.436%
100	16.634	2412	2419	2431	rVB	208641	562341	25.93%	1.607%

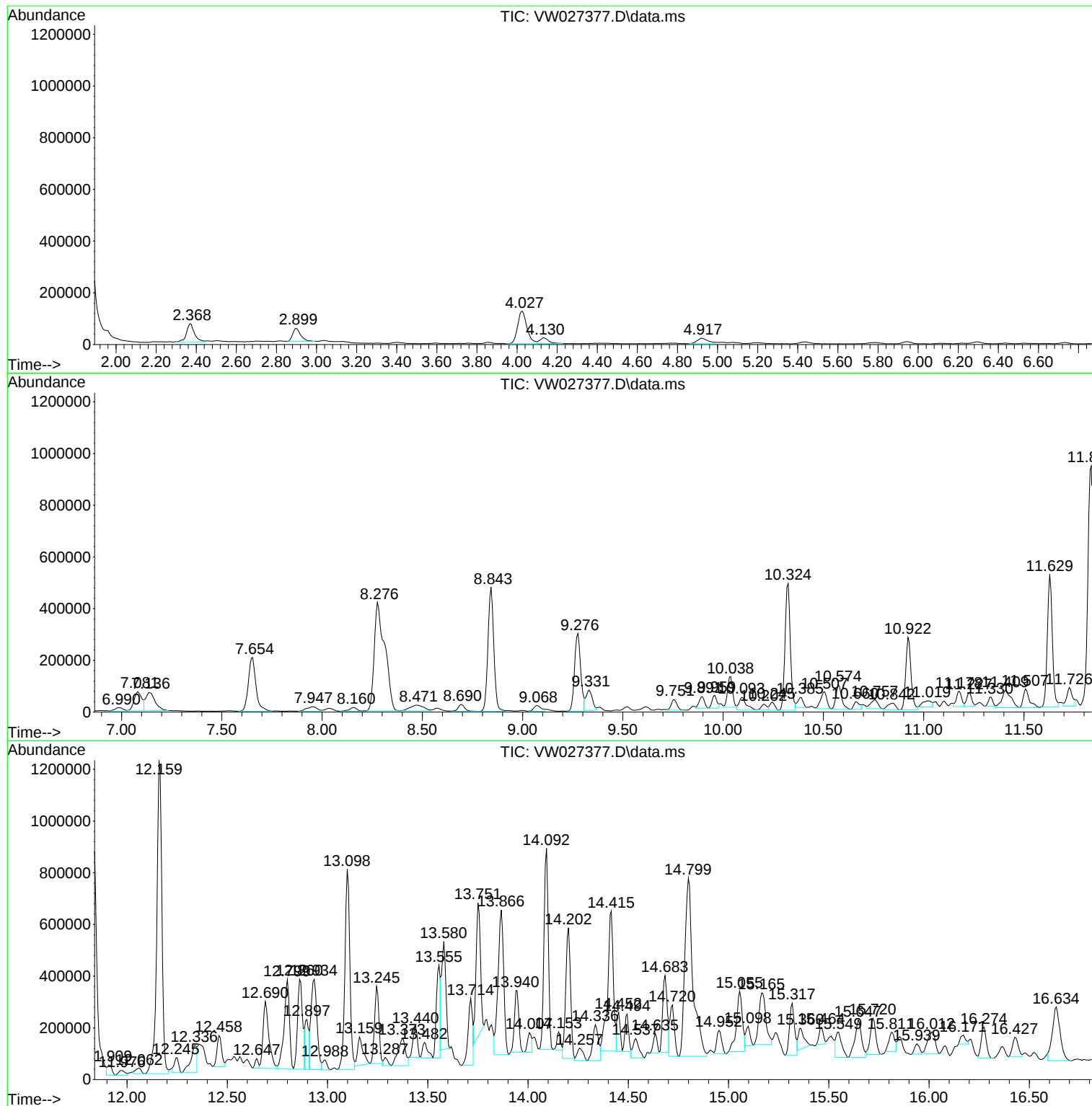
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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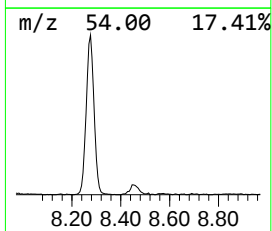
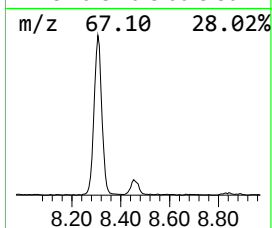
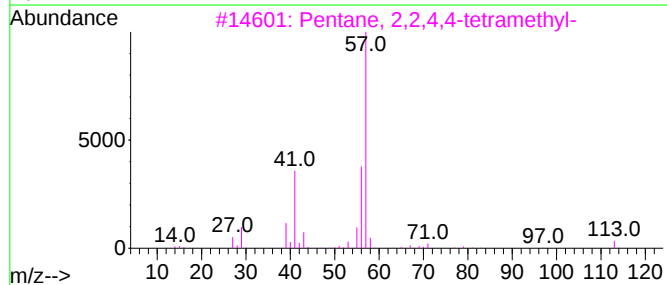
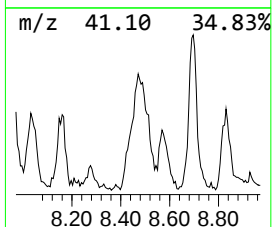
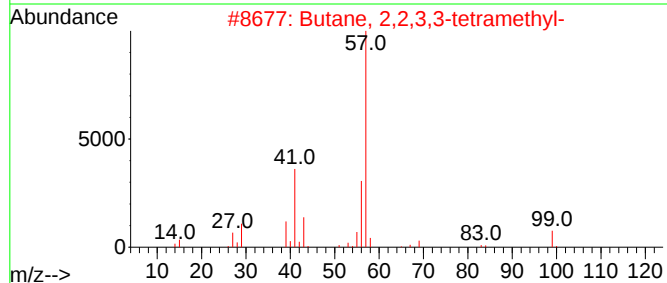
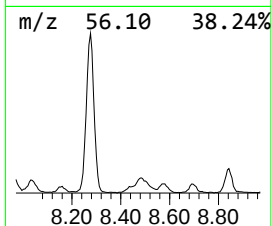
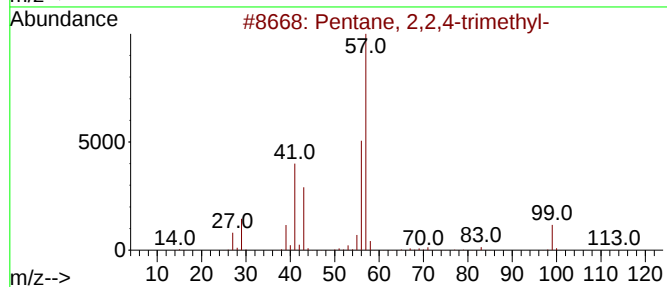
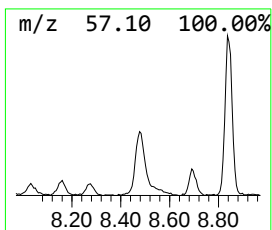
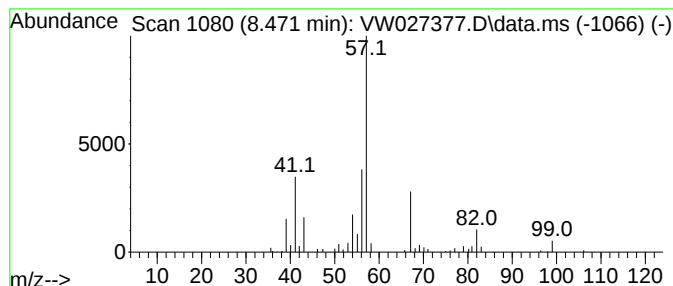
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.471	2.75 ug/L	106554	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	43
2			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	43
3			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	38
4			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	37
5			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	37



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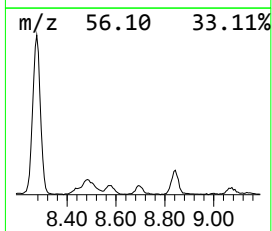
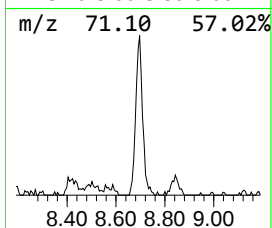
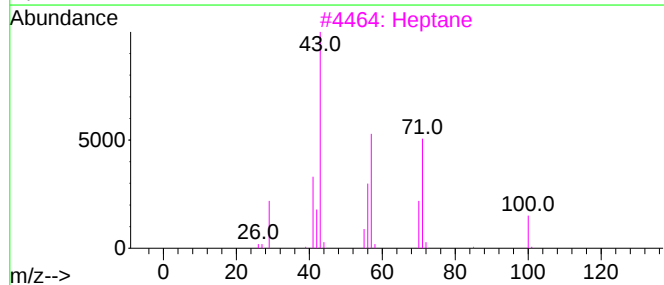
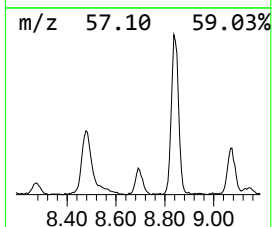
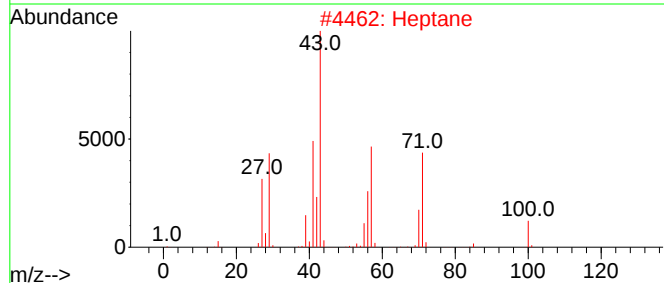
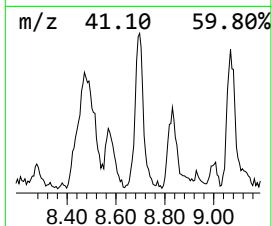
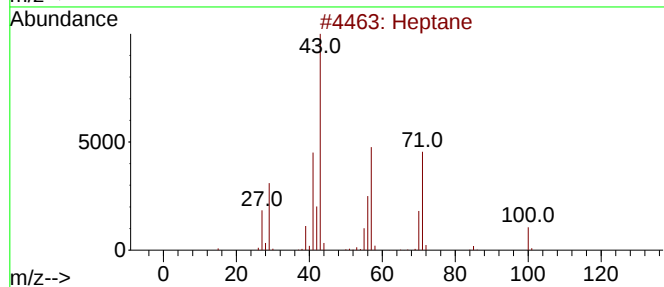
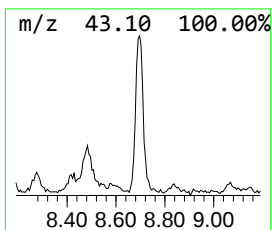
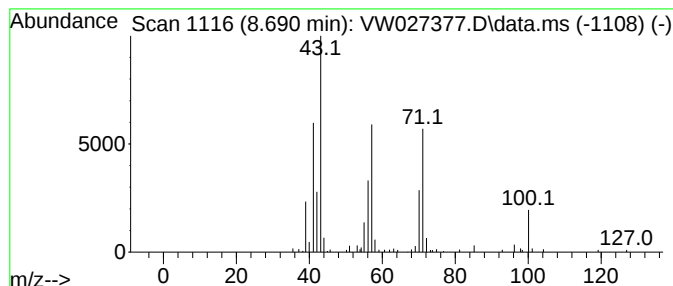
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.690	1.60 ug/L	61901	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	90
2			Heptane	100	C7H16	000142-82-5	90
3			Heptane	100	C7H16	000142-82-5	80
4			Heptane	100	C7H16	000142-82-5	59
5			Morpholine, 2,6-dimethyl-	115	C6H13NO	000141-91-3	59



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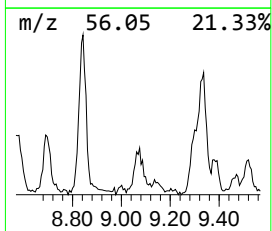
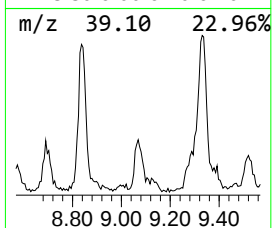
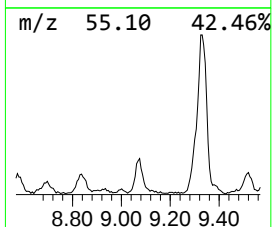
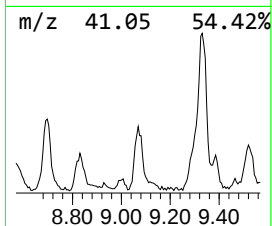
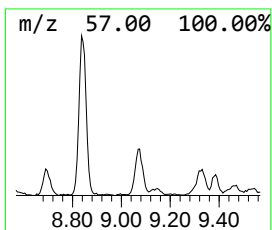
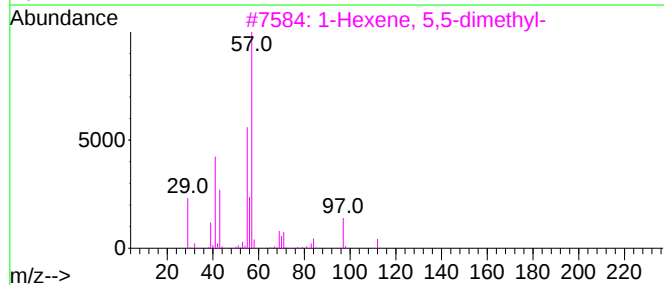
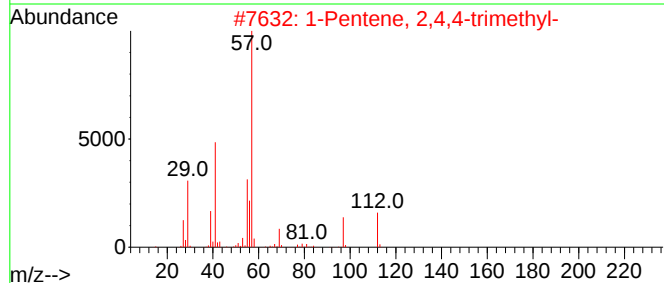
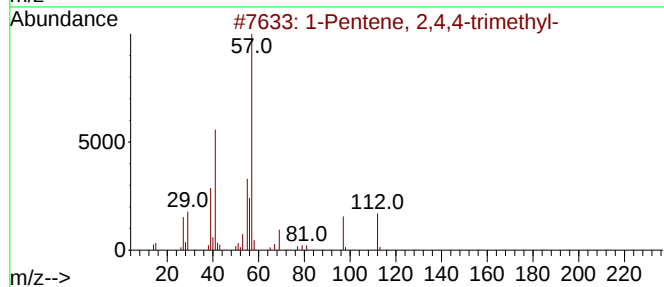
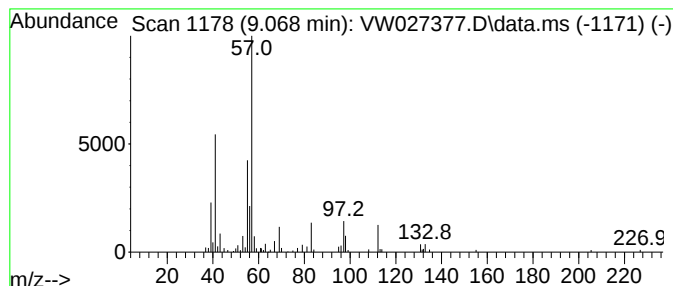
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.068	1.44 ug/L	55714	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	76
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	62
3		1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	59
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52
5		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

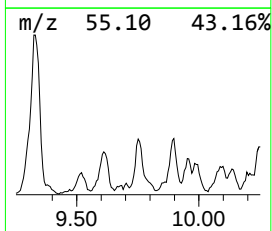
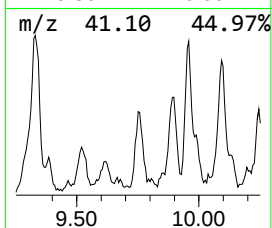
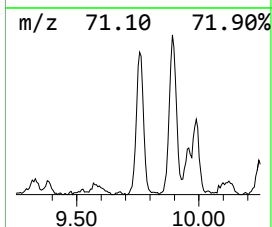
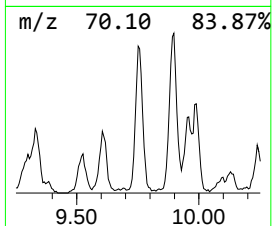
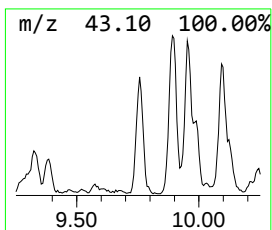
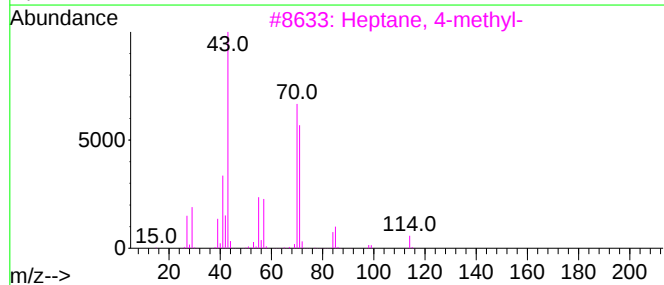
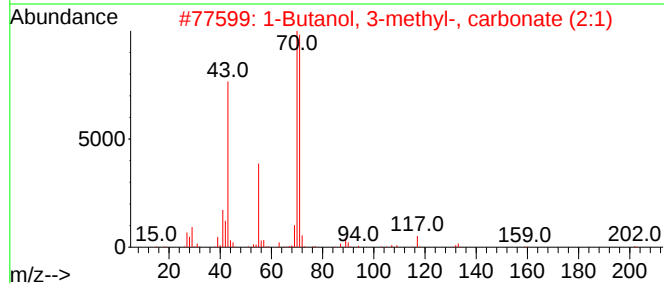
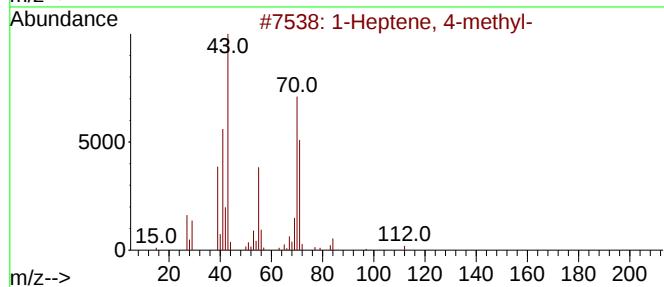
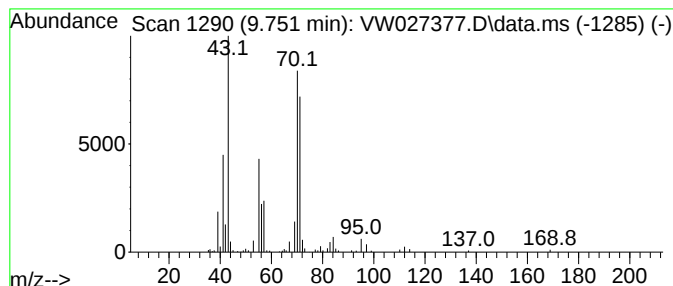
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.751	2.13 ug/L	82773	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	80
2		1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	64
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5		1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

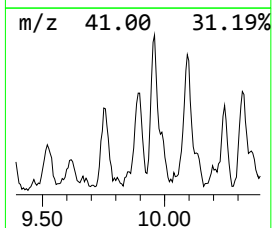
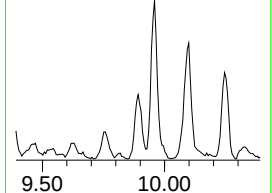
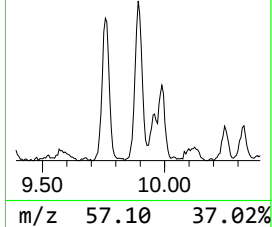
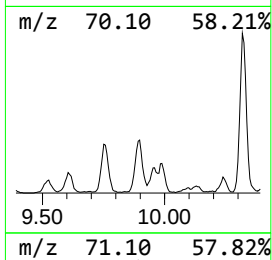
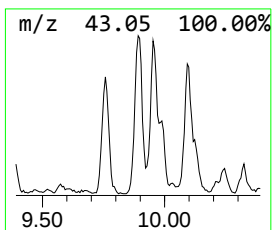
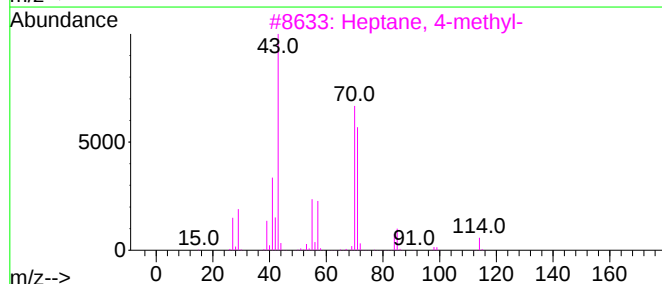
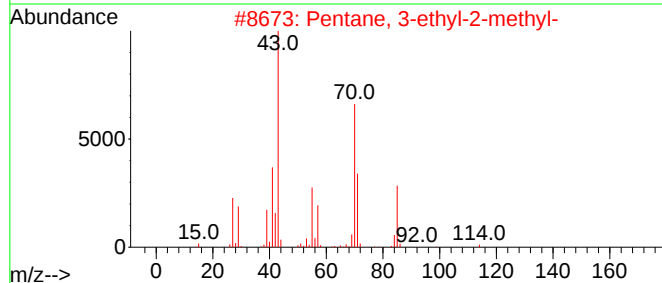
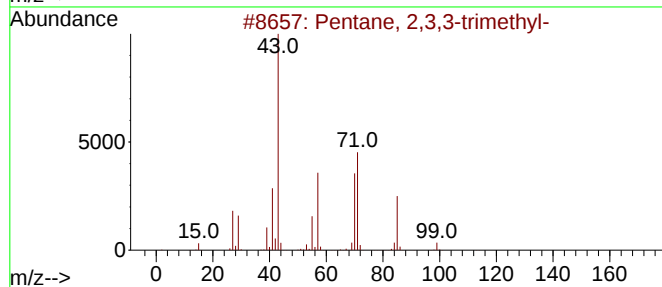
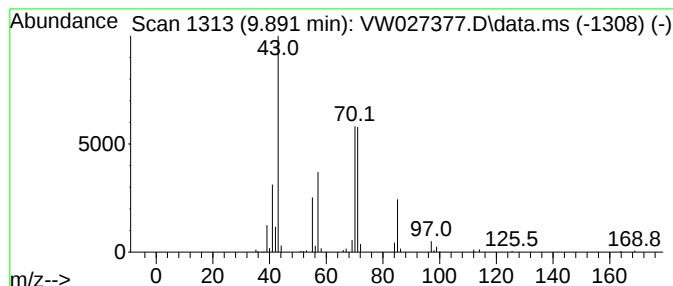
Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

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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 53

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.891	2.13 ug/L	82465	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	74
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Diisooamyl ether	158	C10H22O	000544-01-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

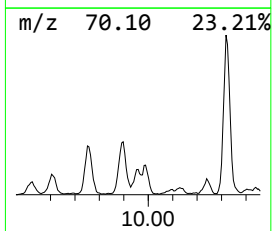
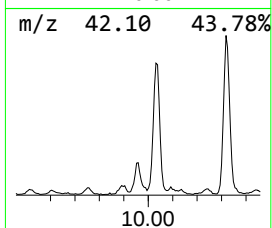
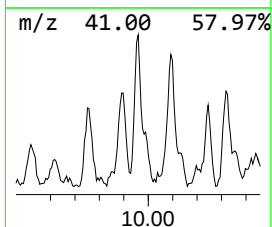
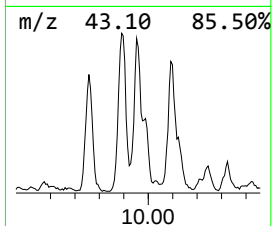
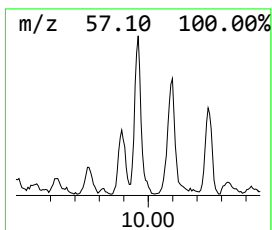
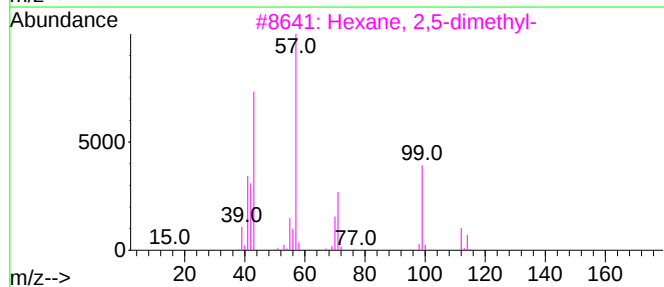
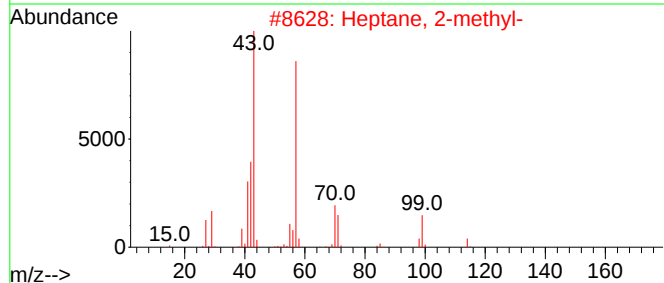
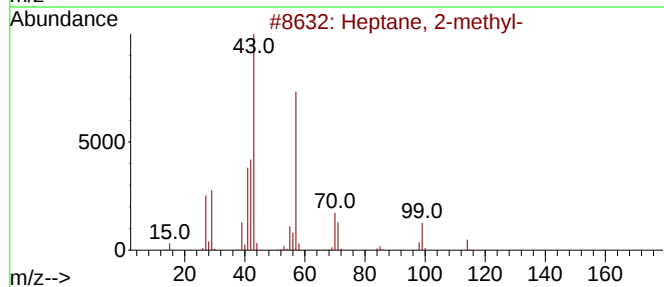
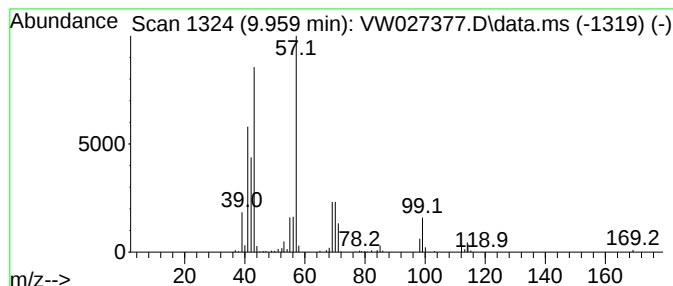
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	2.12 ug/L	82247	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	81
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	76
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
4		Heptane, 2-methyl-	114	C8H18	000592-27-8	58
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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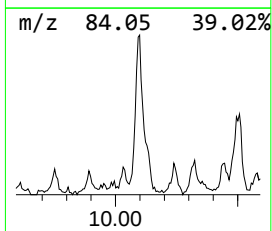
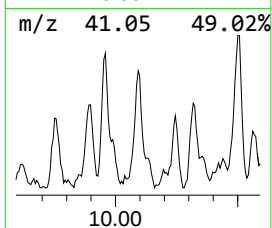
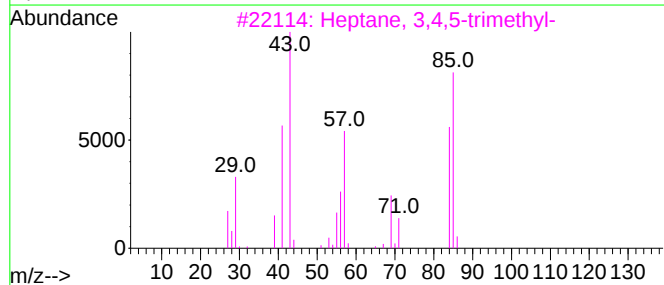
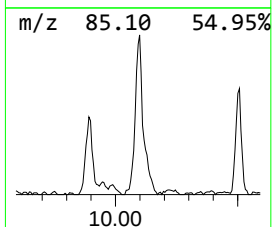
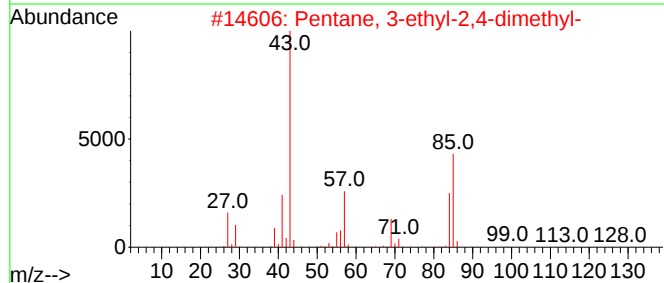
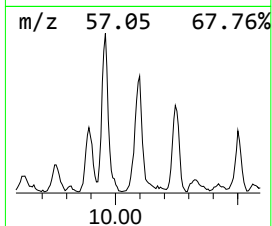
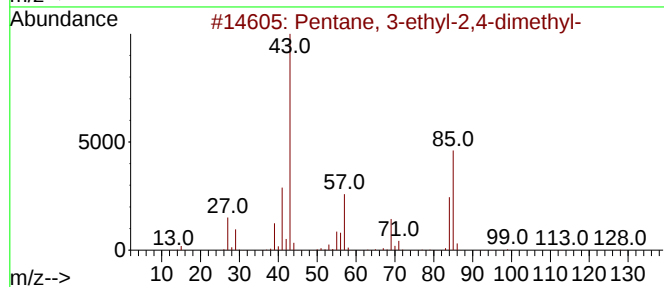
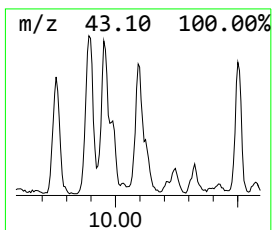
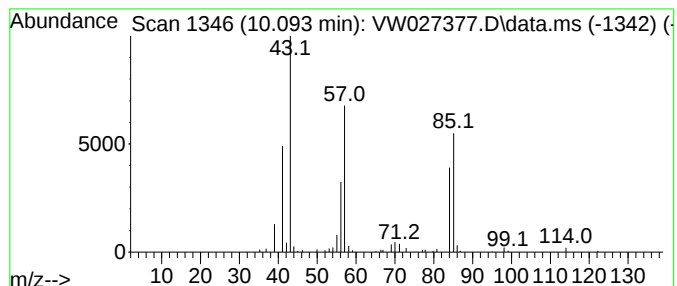
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	3.12 ug/L	120978	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	72
2			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	72
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
4			Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	59
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

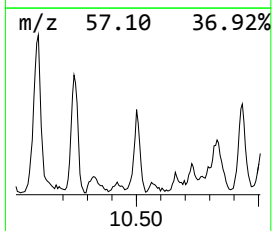
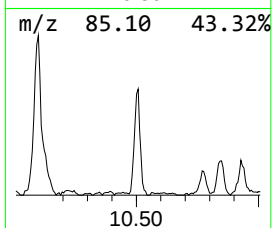
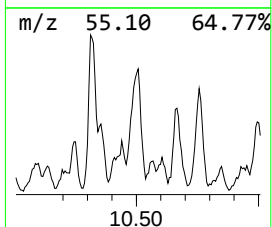
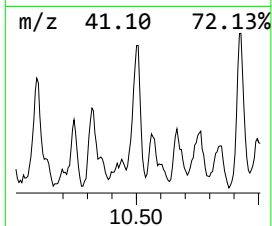
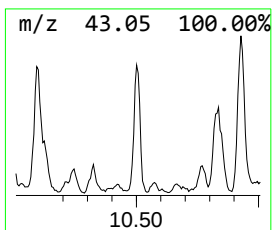
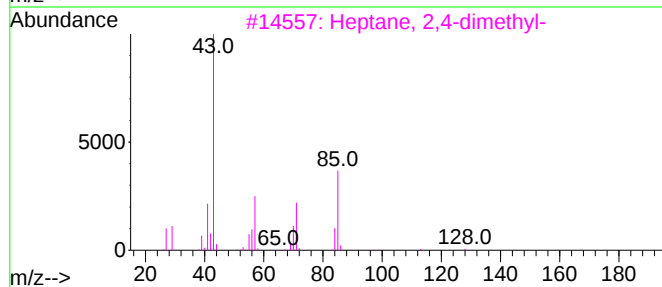
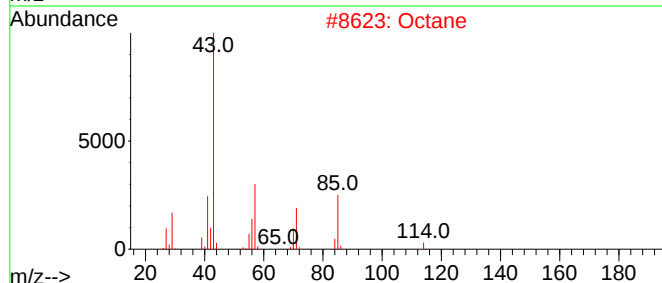
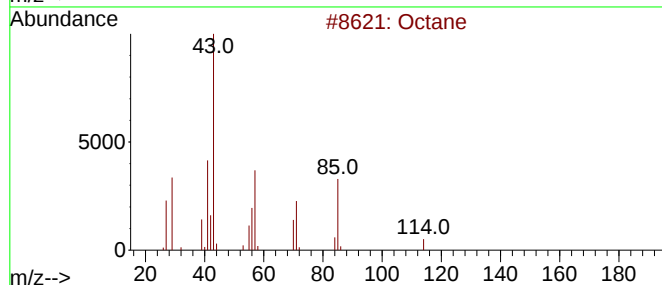
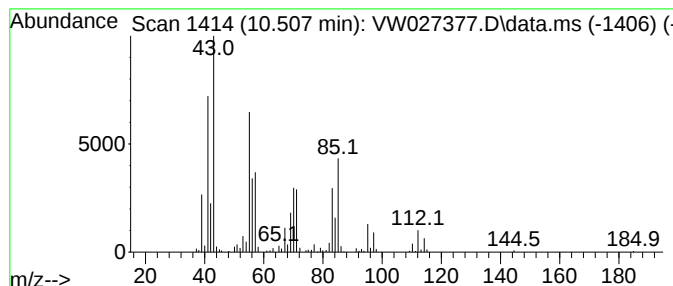
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.507	3.99 ug/L	141003	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	53
2	Octane			114	C8H18	000111-65-9	47
3	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	43
4	Cyclopentane, 1-ethyl-2-methyl-			112	C8H16	003726-46-3	43
5	Octane			114	C8H18	000111-65-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

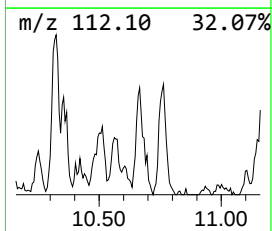
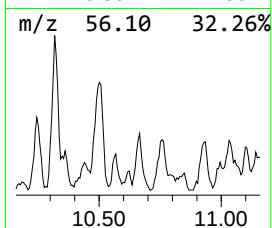
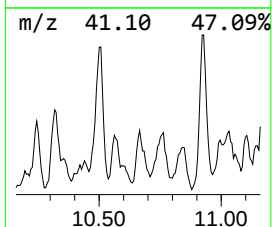
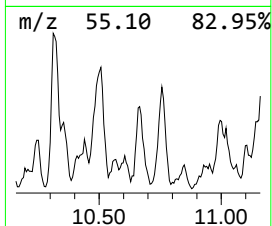
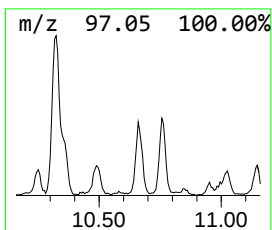
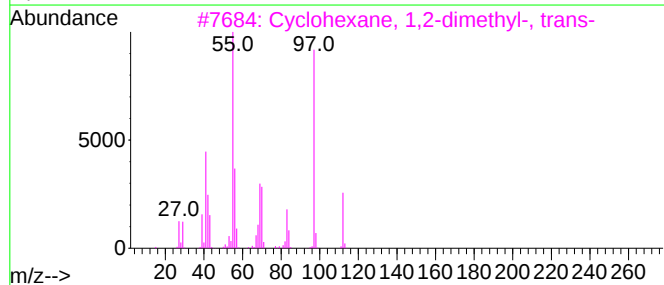
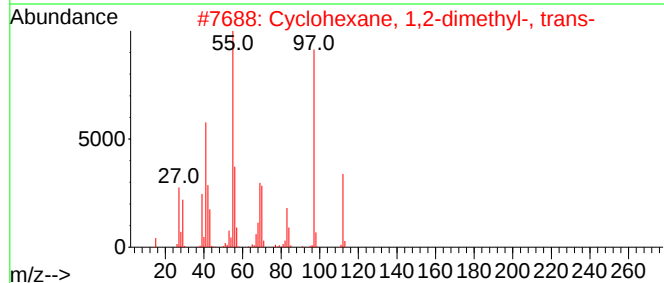
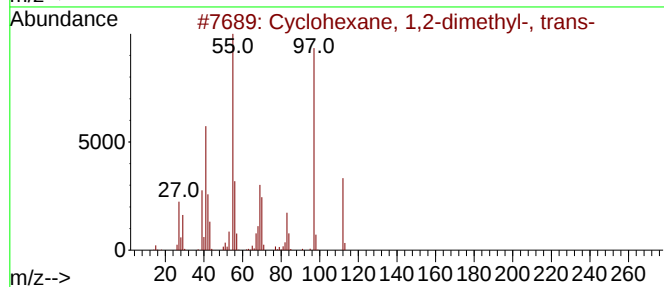
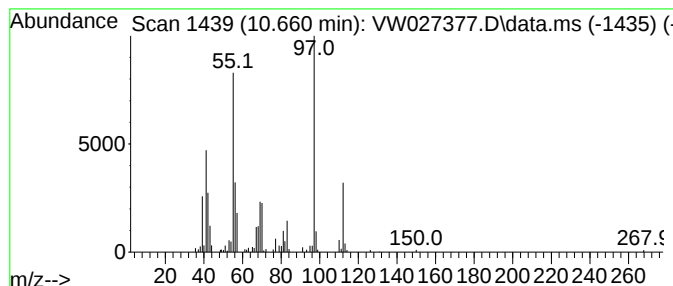
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic10.660 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.660	1.75 ug/L	61857	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

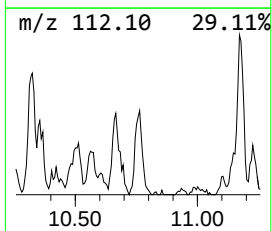
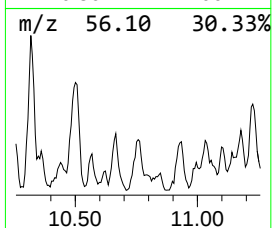
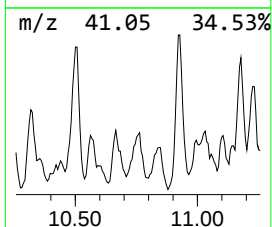
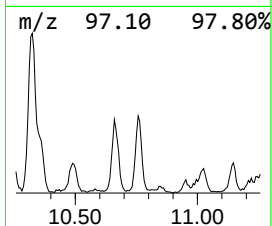
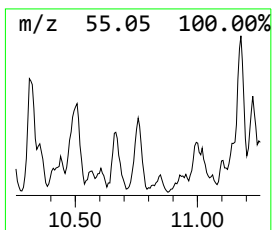
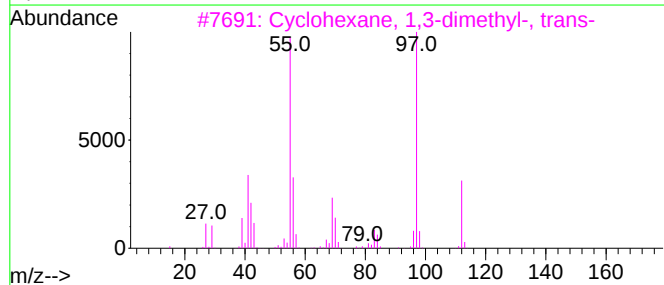
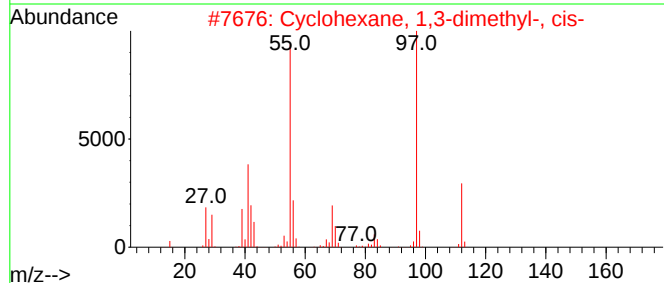
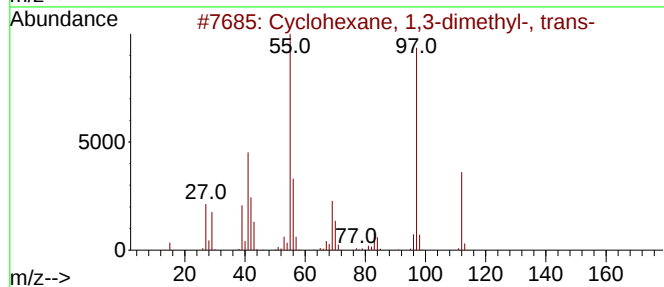
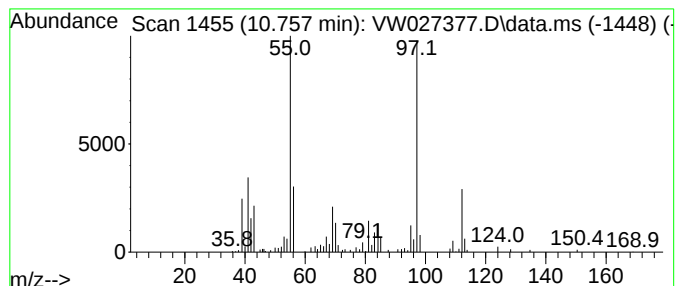
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic10.757 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	2.50 ug/L	88298	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

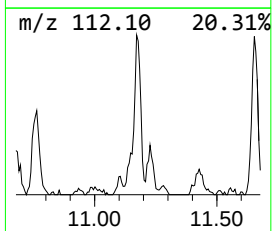
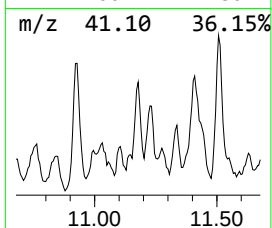
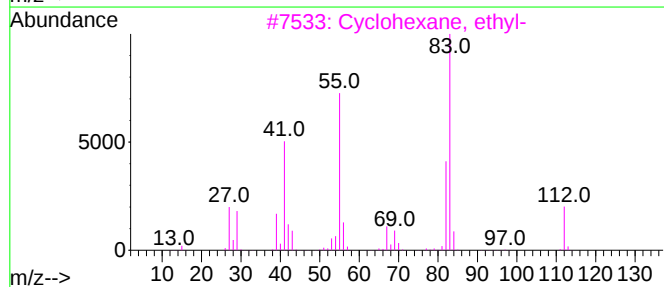
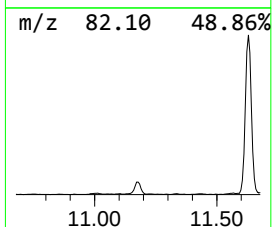
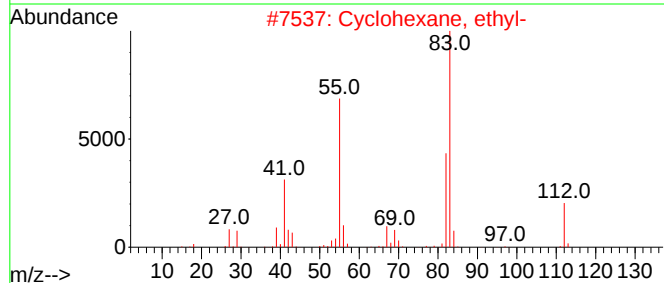
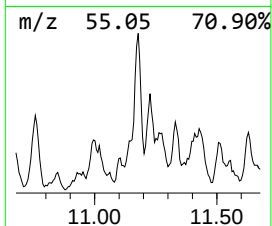
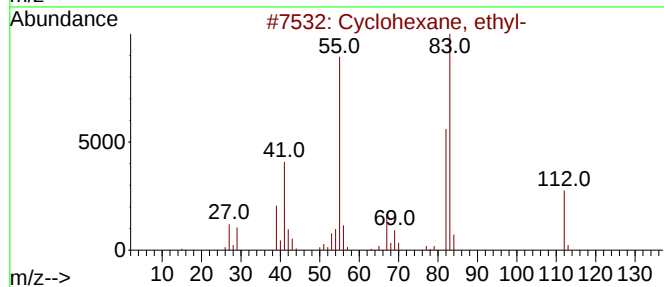
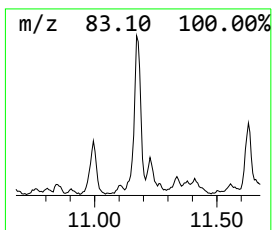
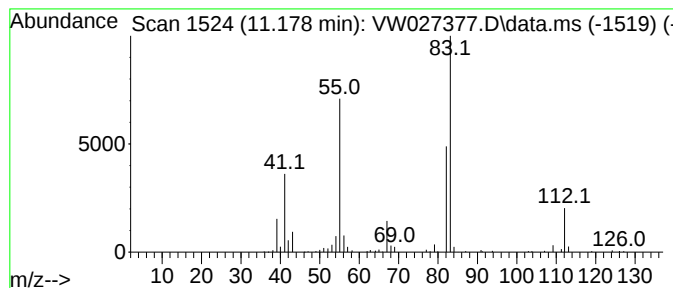
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.178 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	3.06 ug/L	108246	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	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

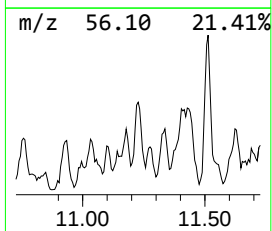
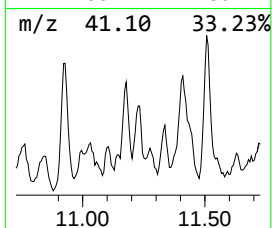
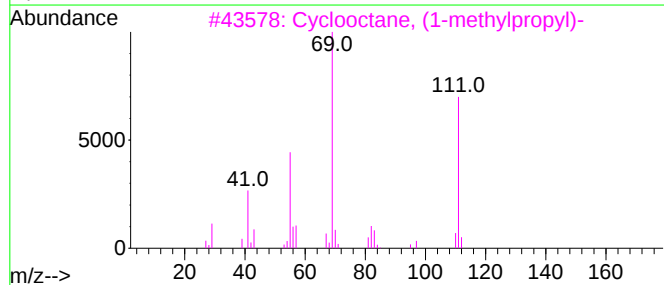
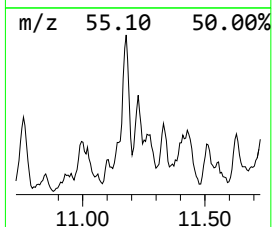
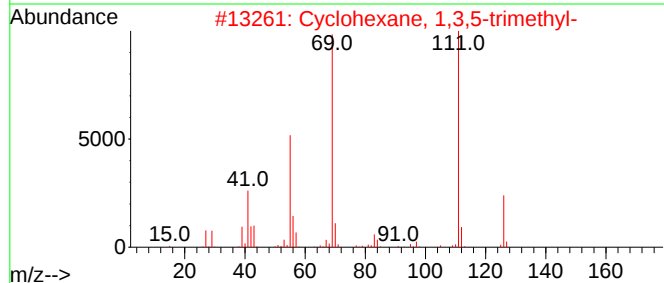
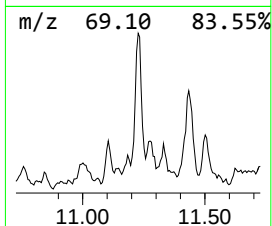
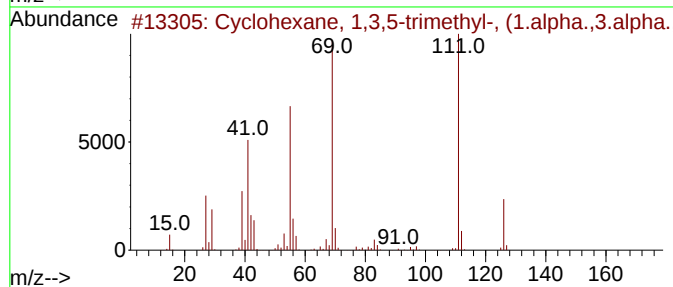
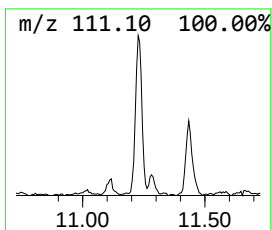
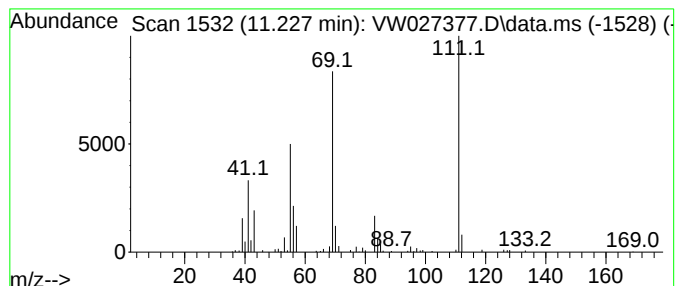
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.227 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	2.66 ug/L	94181	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
3			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

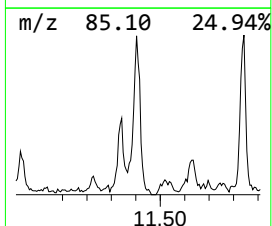
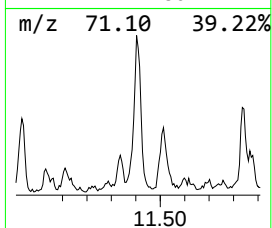
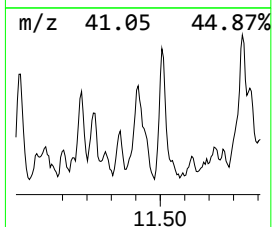
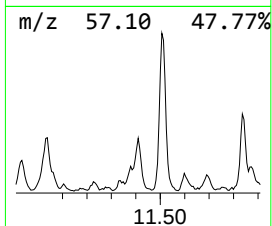
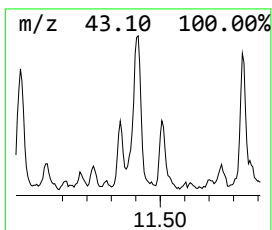
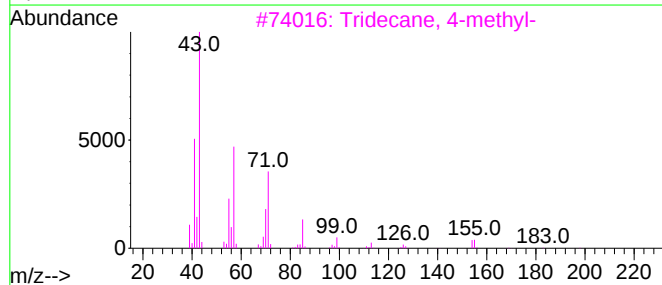
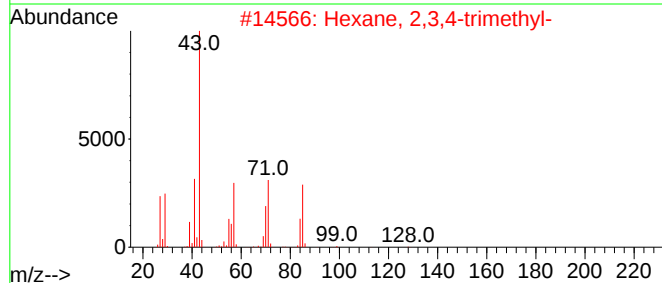
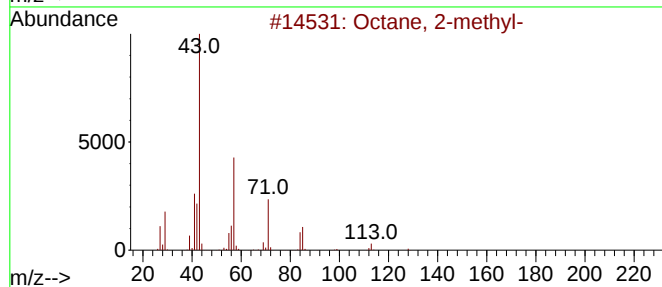
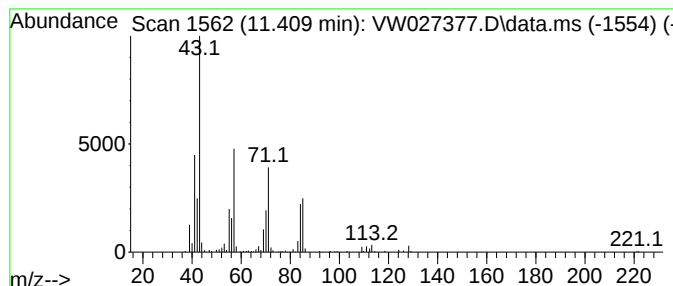
Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.410	6.09 ug/L	215392	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, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	59
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	53
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

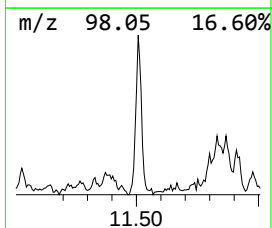
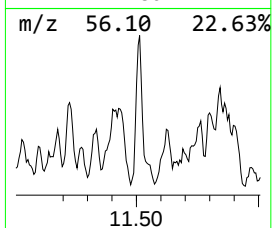
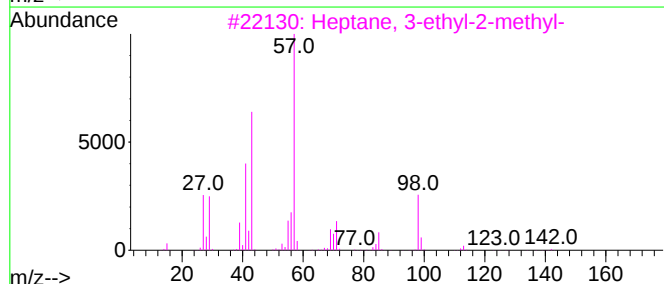
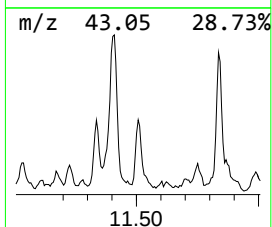
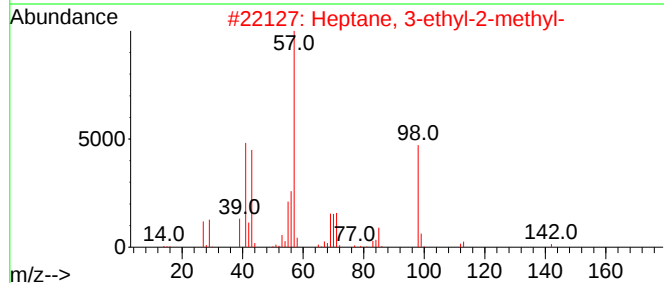
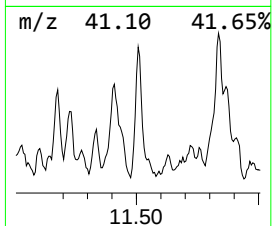
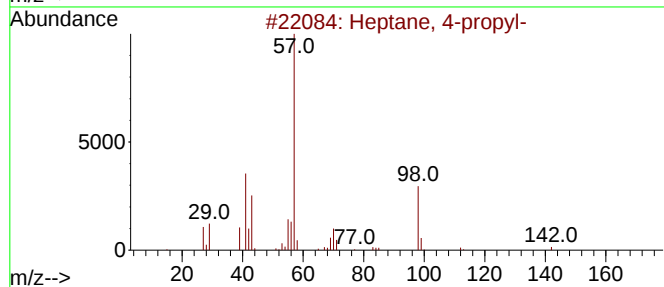
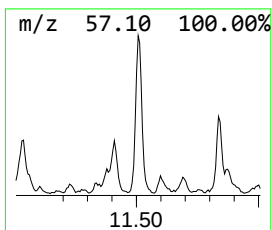
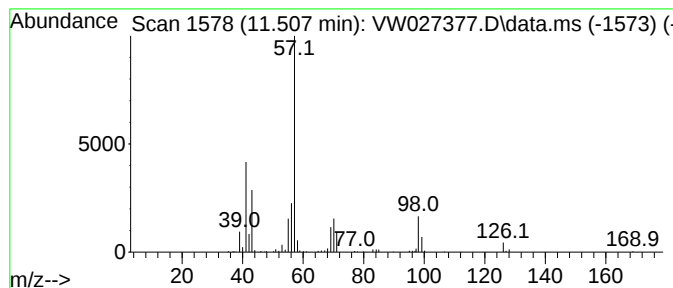
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	4.38 ug/L	155073	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-propyl-	142	C10H22	003178-29-8	59
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4		Octane, 3-methyl-	128	C9H20	002216-33-3	58
5		Octane, 3-methyl-	128	C9H20	002216-33-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

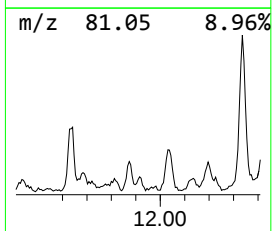
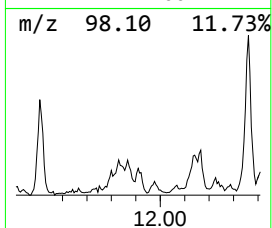
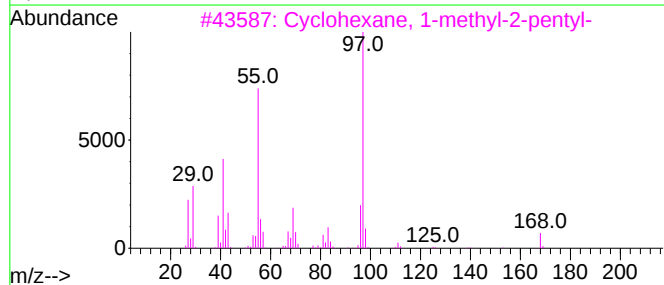
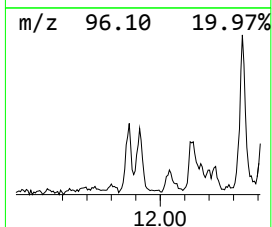
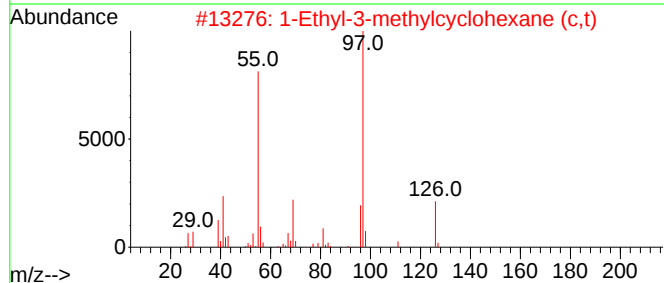
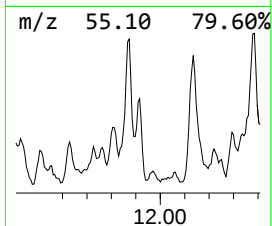
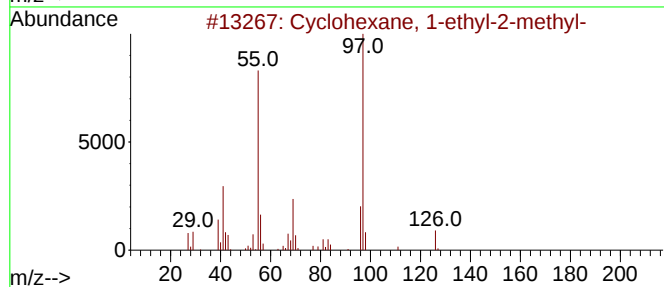
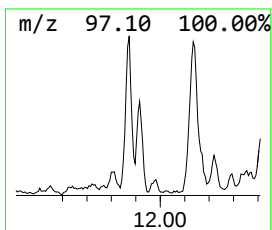
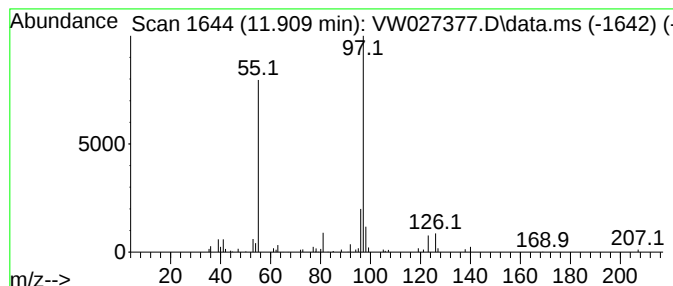
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.909 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.909	1.70 ug/L	60227	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72
4		trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

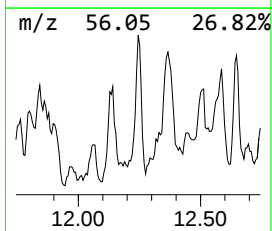
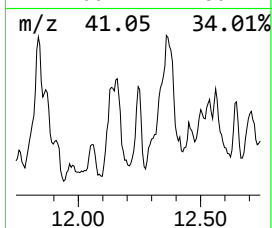
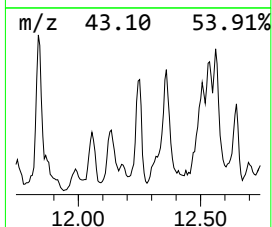
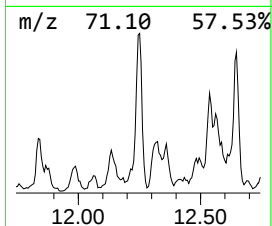
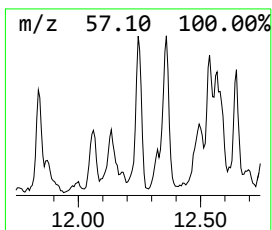
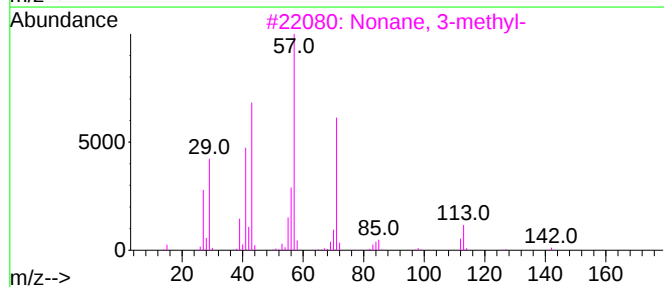
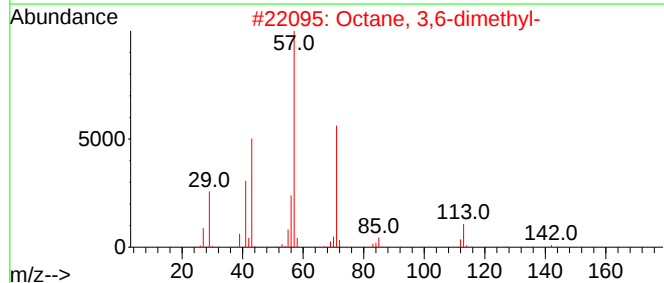
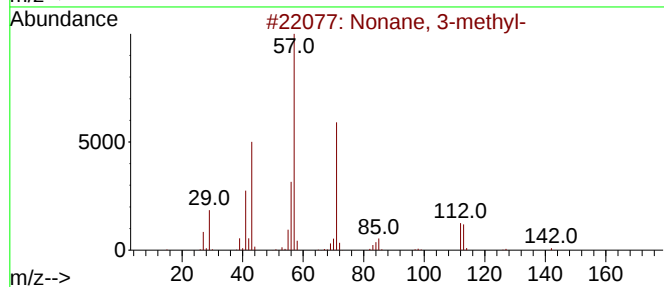
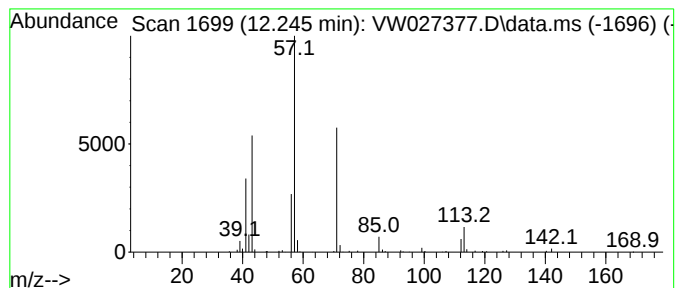
Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.245	2.43 ug/L	86023	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
2	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
4	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

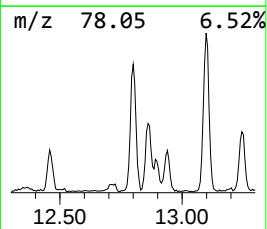
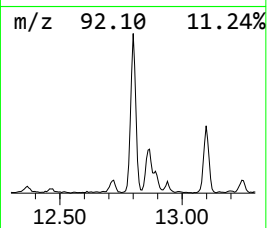
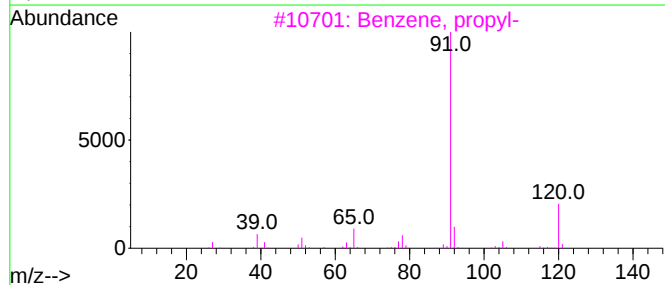
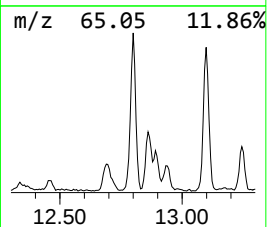
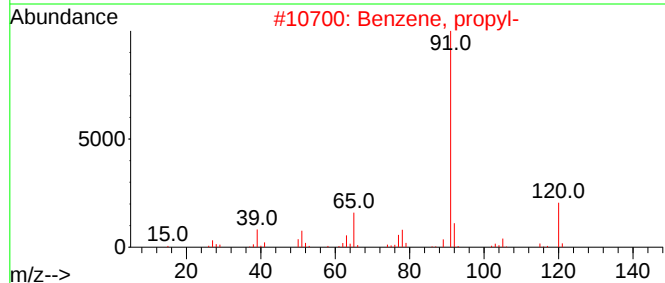
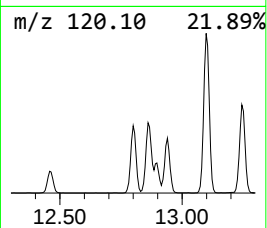
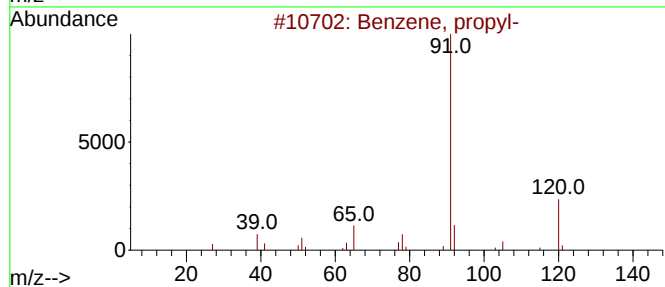
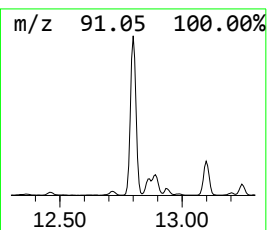
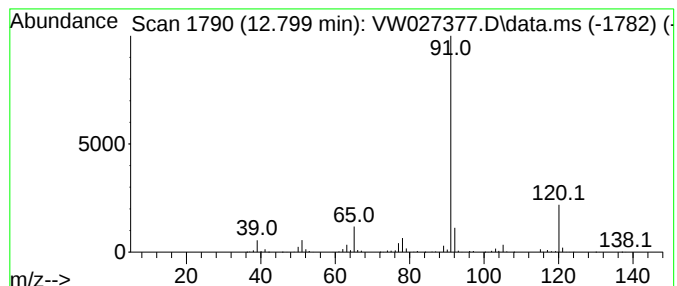
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Quant Title : SFAM01.0

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

Peak Number 23 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.800	32.46 ug/L	637210	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	94
2			Benzene, propyl-	120	C9H12	000103-65-1	91
3			Benzene, propyl-	120	C9H12	000103-65-1	90
4			Benzene, propyl-	120	C9H12	000103-65-1	87
5			N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

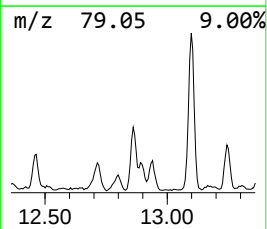
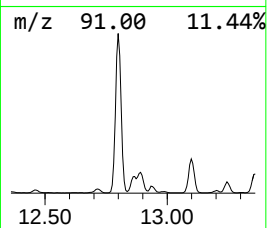
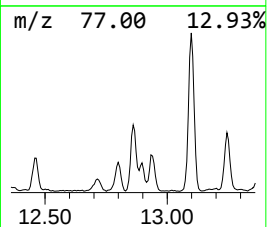
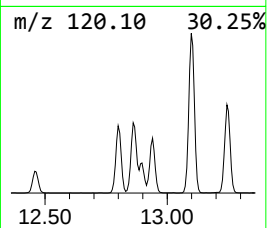
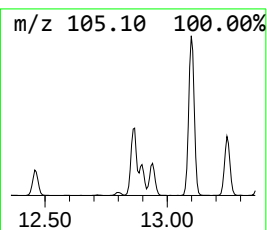
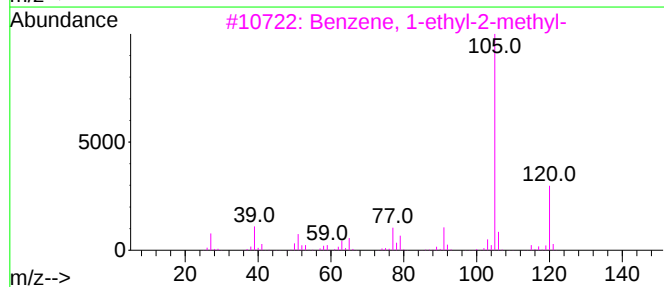
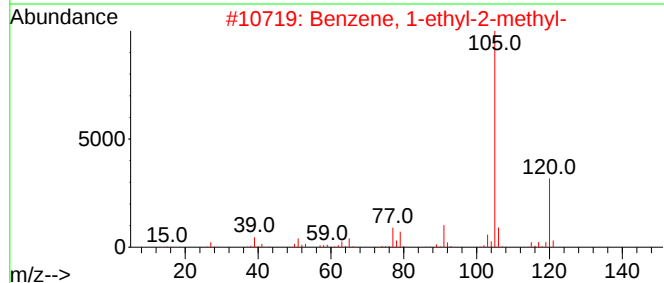
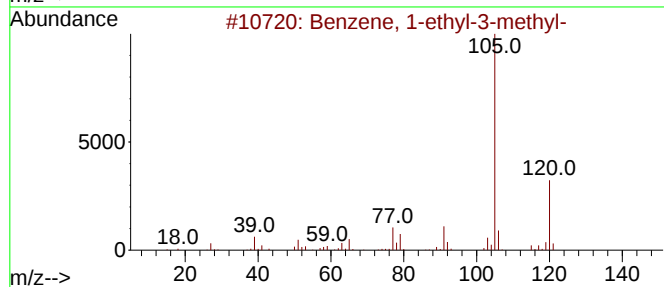
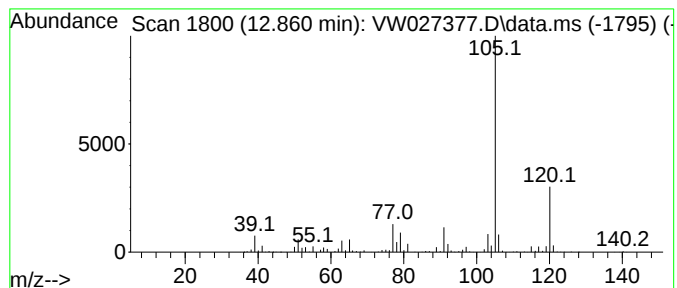
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.860	32.26 ug/L	633273	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

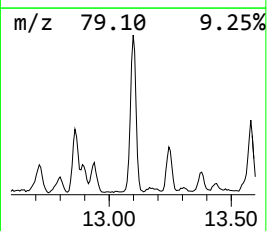
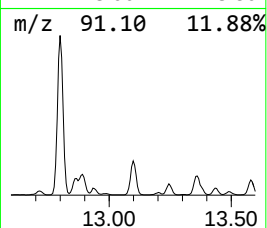
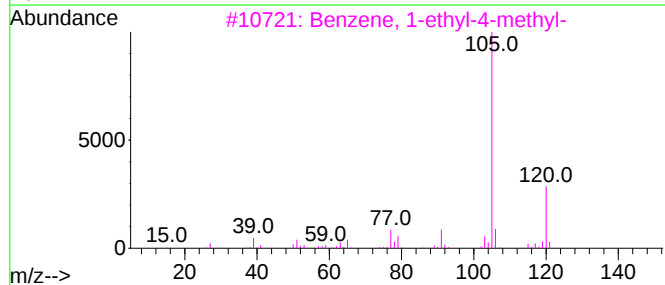
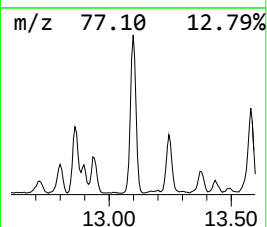
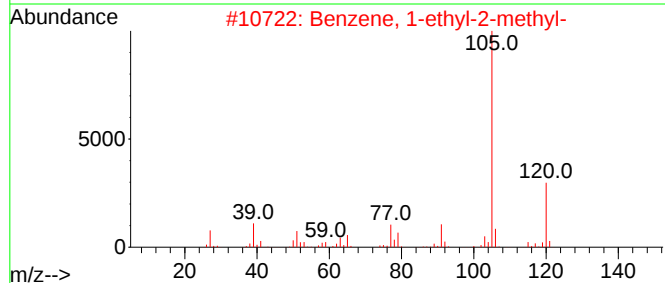
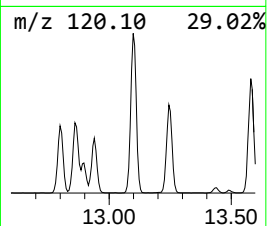
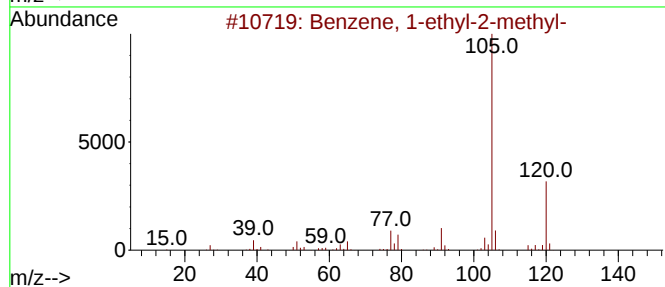
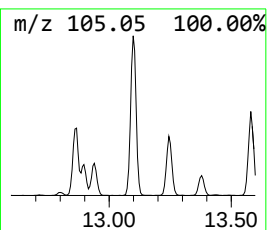
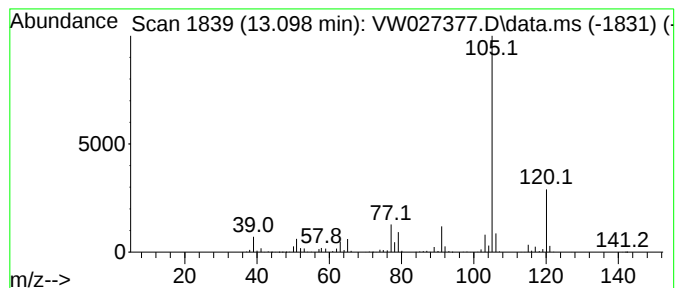
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	67.54 ug/L	1325960	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

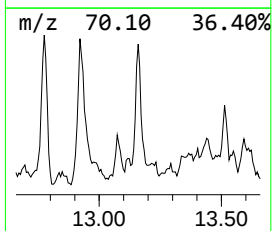
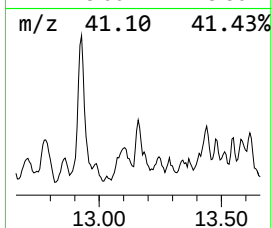
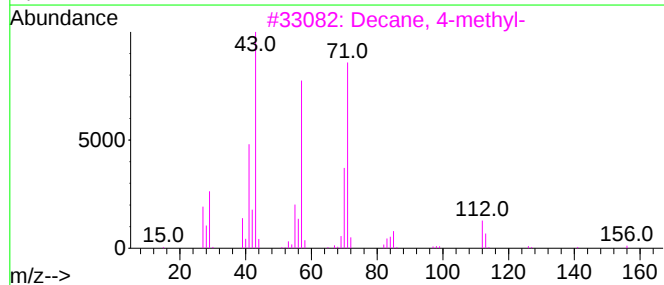
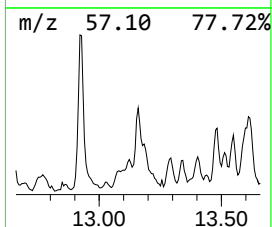
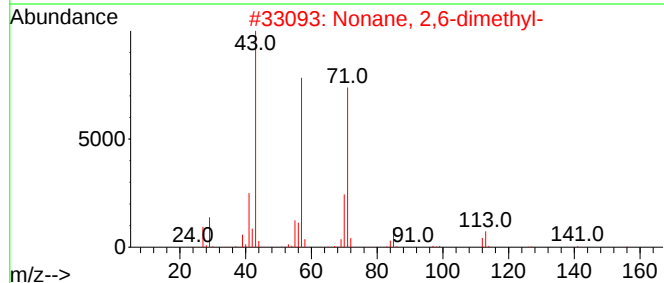
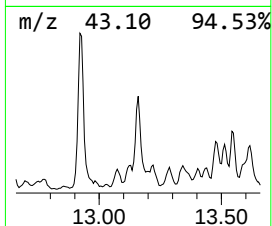
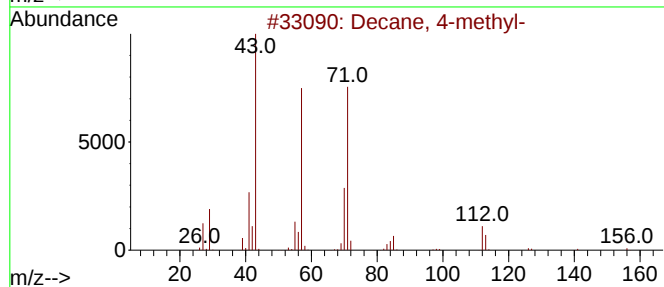
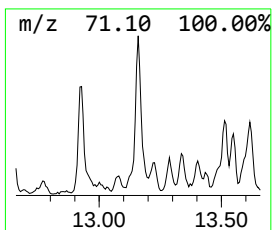
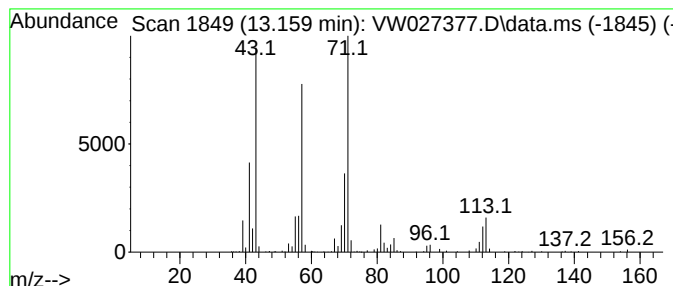
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.159	10.64 ug/L	208813	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	90
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
3		Decane, 4-methyl-	156	C11H24	002847-72-5	86
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

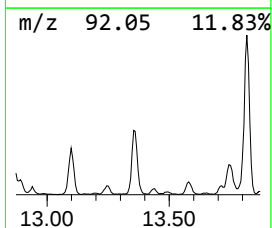
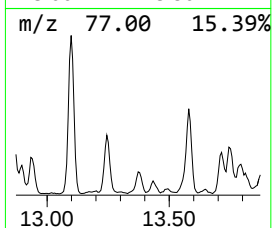
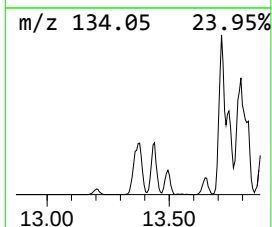
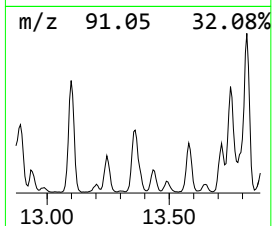
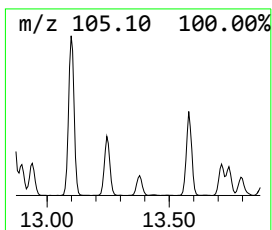
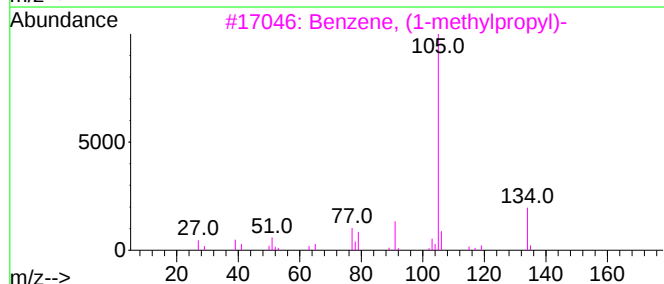
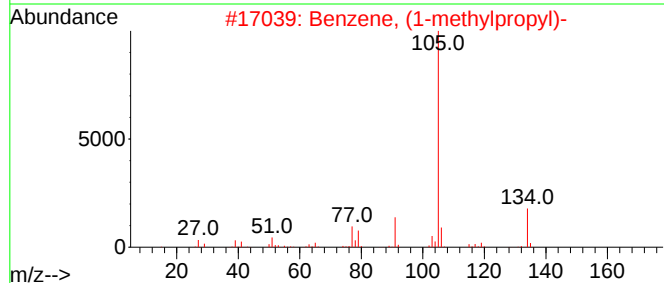
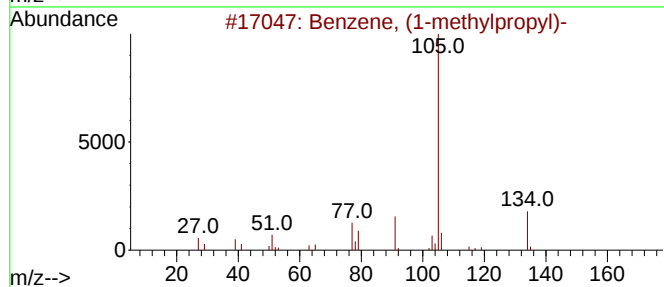
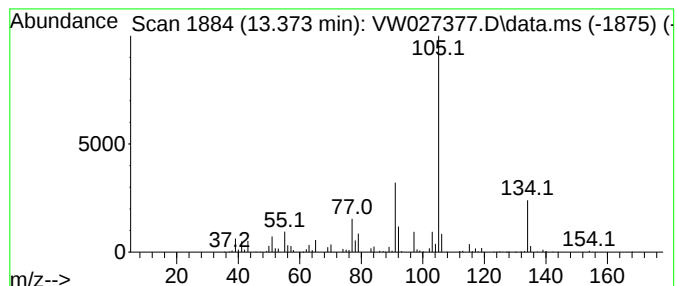
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Quant Title : SFAM01.0

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

Peak Number 27 Benzene, (1-methylpropyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	14.06 ug/L	275944	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

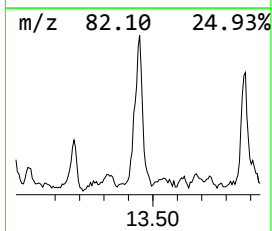
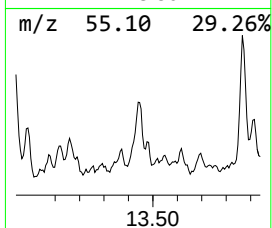
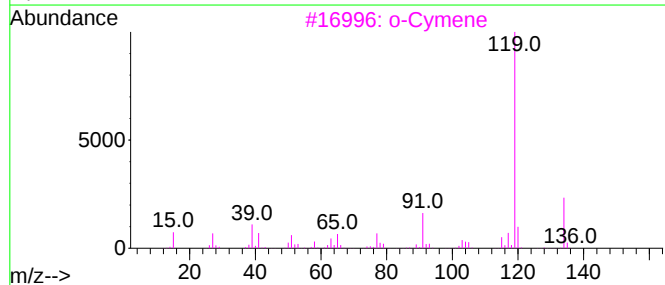
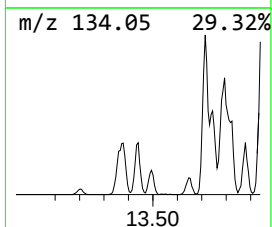
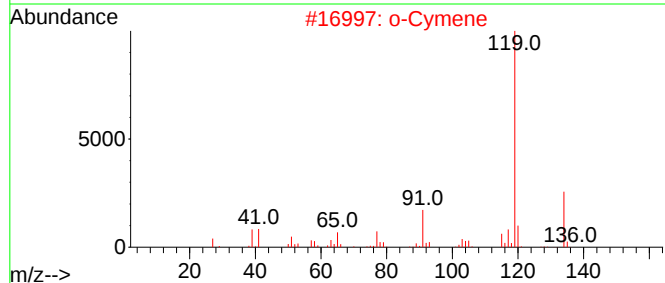
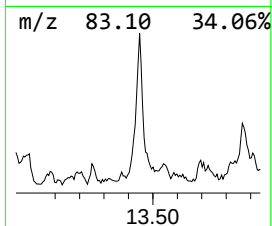
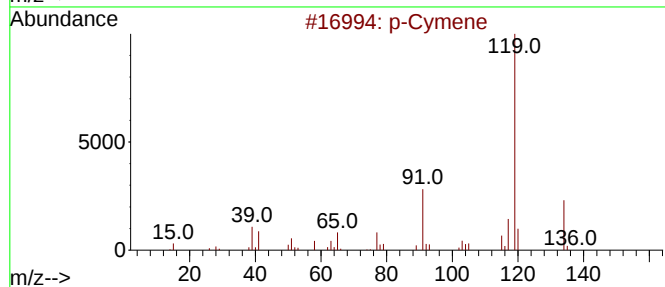
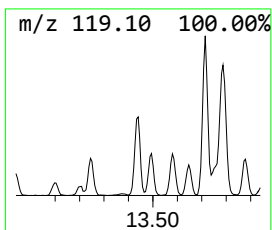
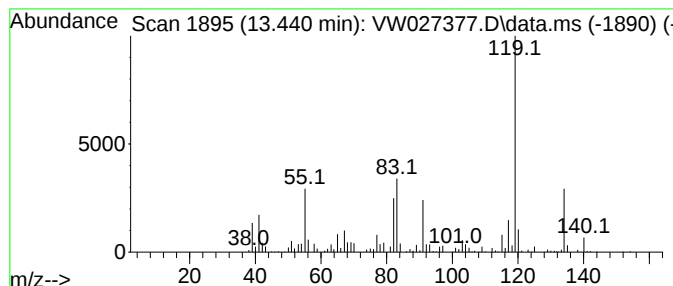
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Quant Title : SFAM01.0

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

Peak Number 28 p-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	9.13 ug/L	179190	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			p-Cymene	134	C10H14	000099-87-6	95
5			o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

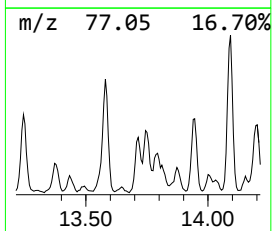
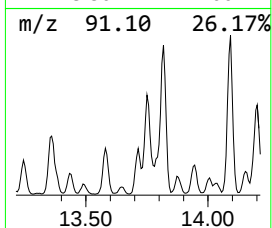
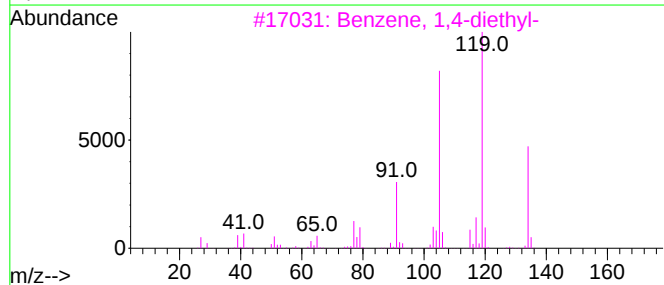
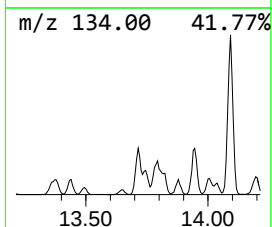
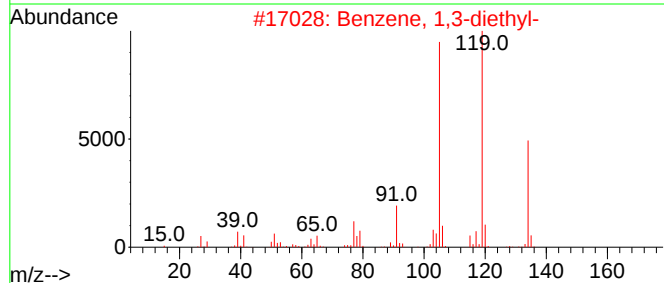
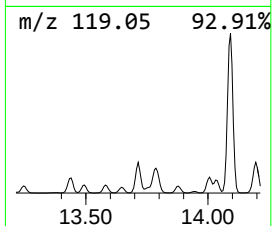
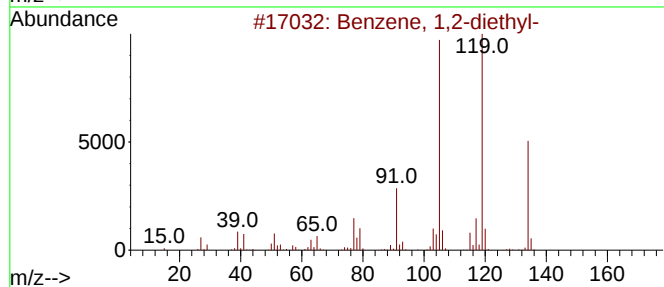
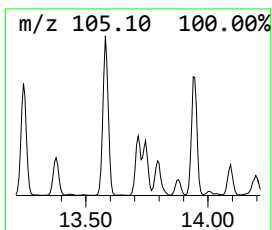
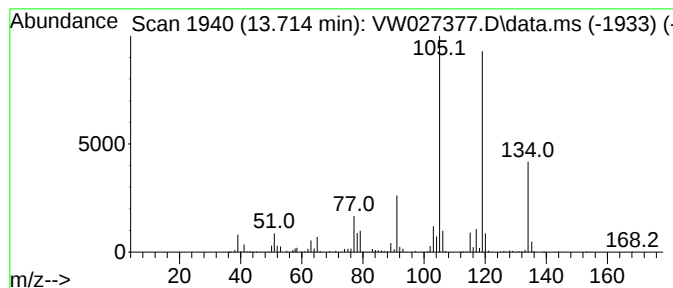
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Quant Title : SFAM01.0

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

Peak Number 29 Benzene, 1,2-diethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	20.97 ug/L	411635	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

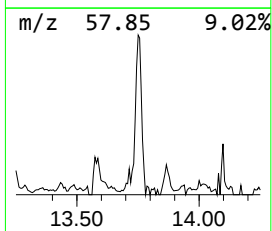
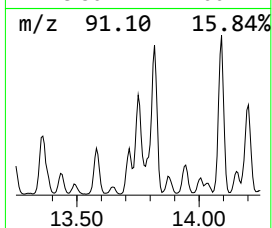
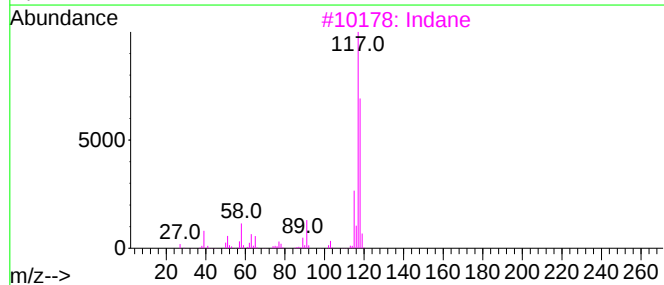
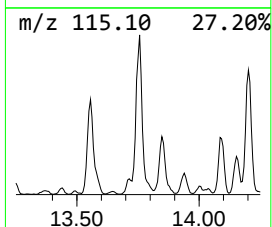
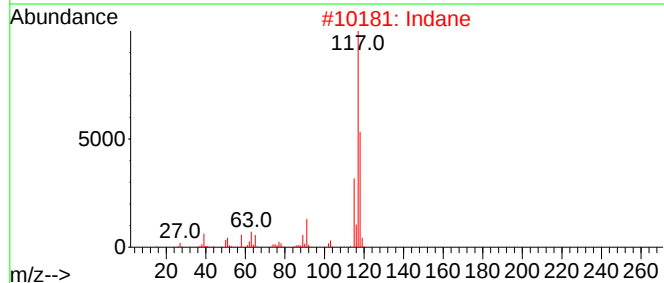
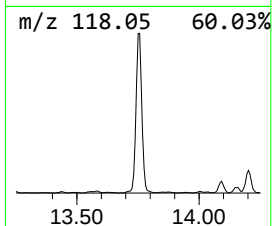
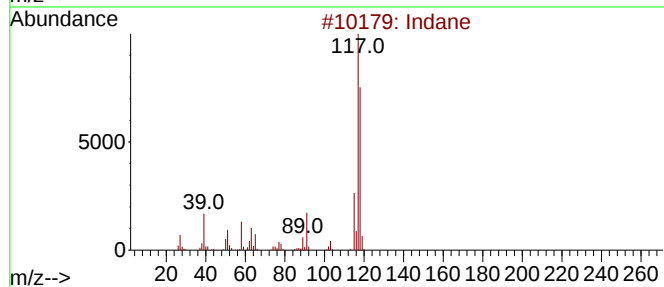
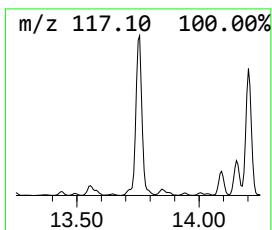
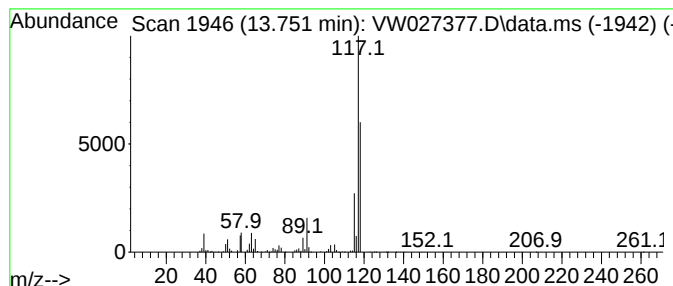
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Quant Title : SFAM01.0

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

Peak Number 30 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	40.13 ug/L	787833	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane			118	C9H10	000496-11-7	87
2	Indane			118	C9H10	000496-11-7	74
3	Indane			118	C9H10	000496-11-7	74
4	Benzene, 2-propenyl-			118	C9H10	000300-57-2	74
5	Benzene, cyclopropyl-			118	C9H10	000873-49-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

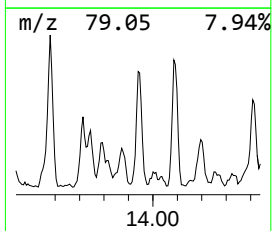
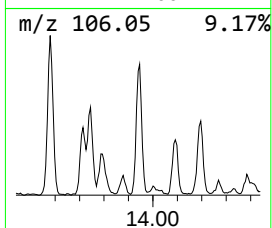
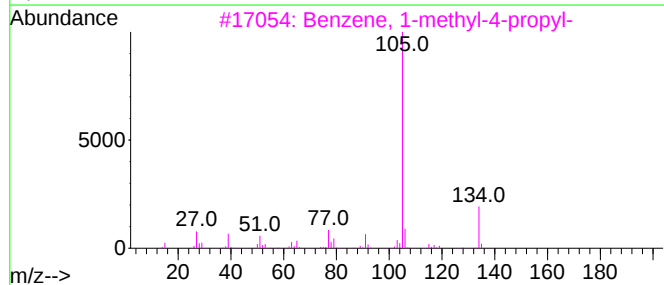
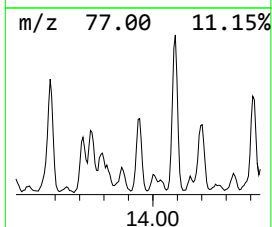
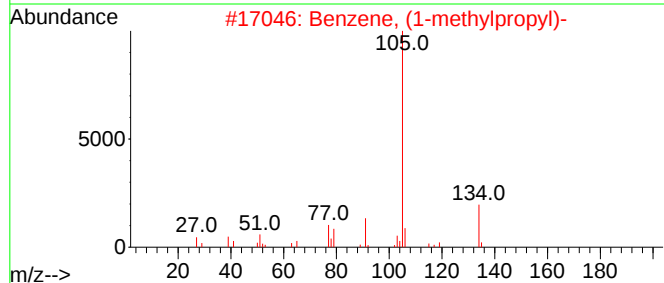
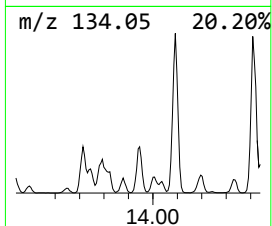
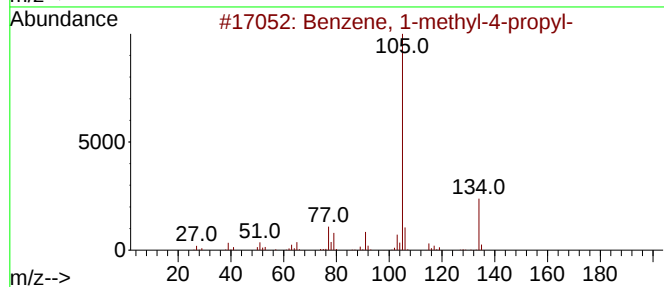
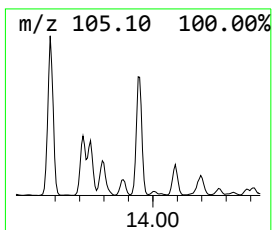
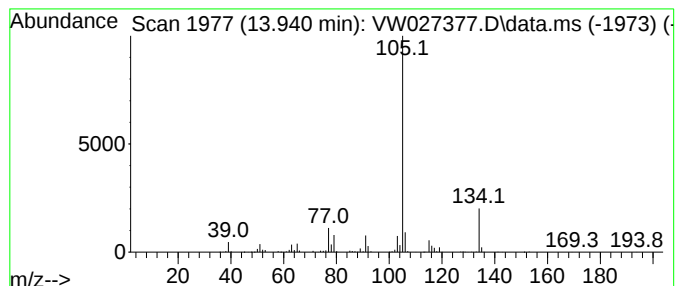
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1-methyl-4-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.940	18.21 ug/L	357588	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

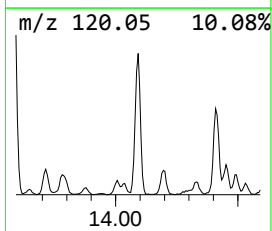
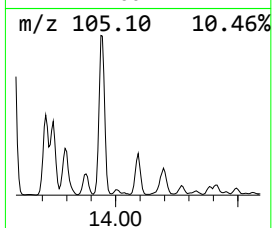
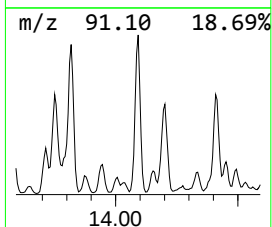
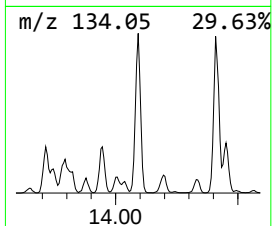
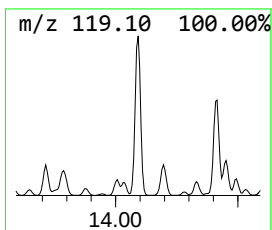
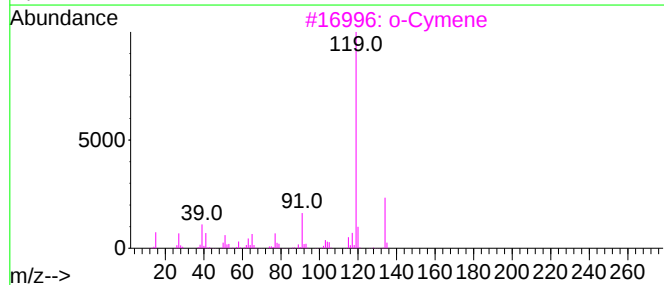
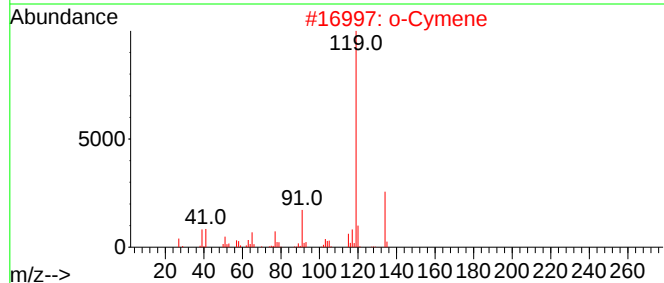
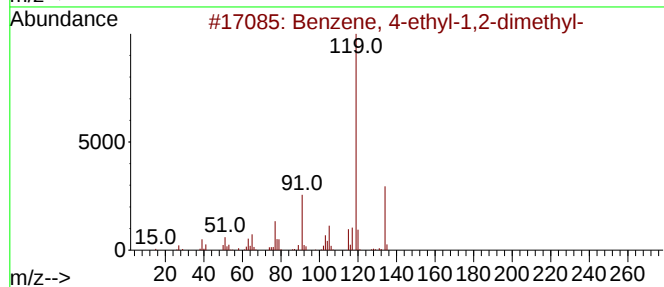
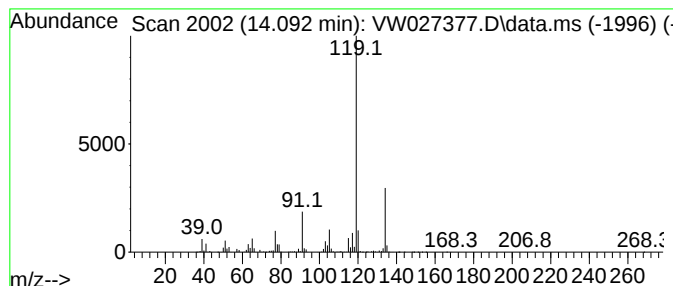
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	58.82 ug/L	1154750	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2			o-Cymene	134	C10H14	000527-84-4	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

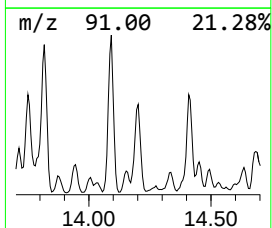
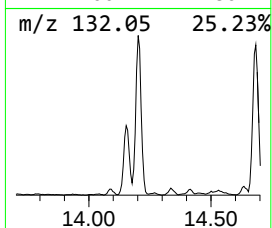
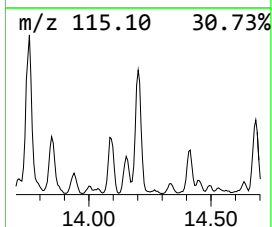
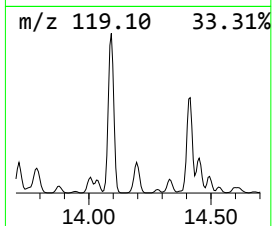
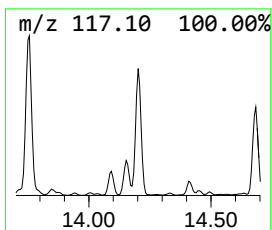
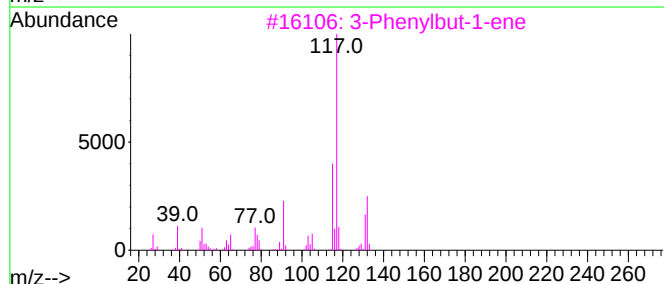
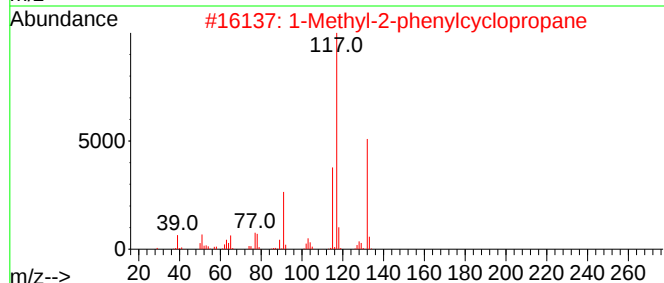
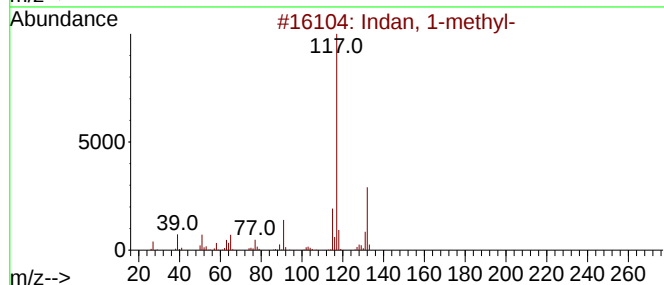
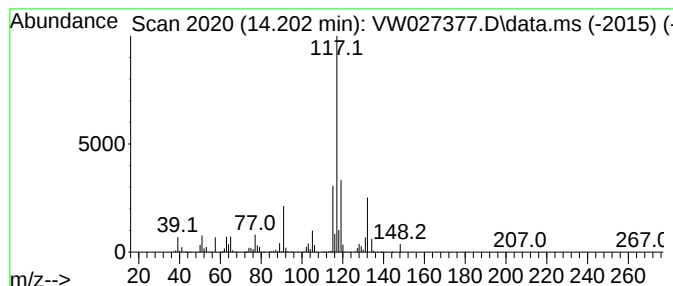
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Quant Title : SFAM01.0

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

Peak Number 35 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	42.29 ug/L	830304	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	76
2			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

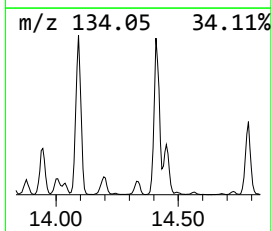
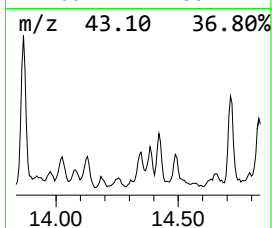
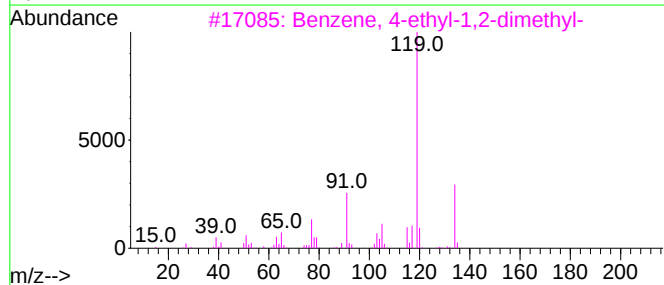
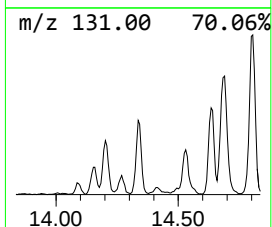
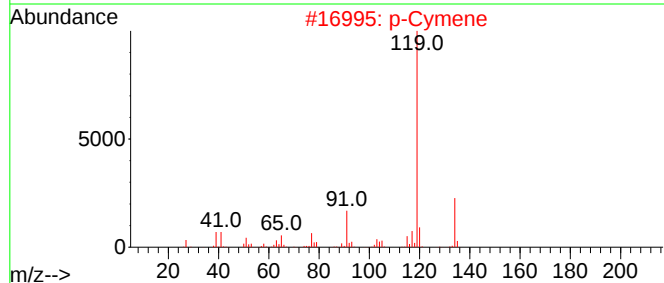
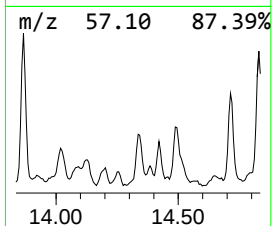
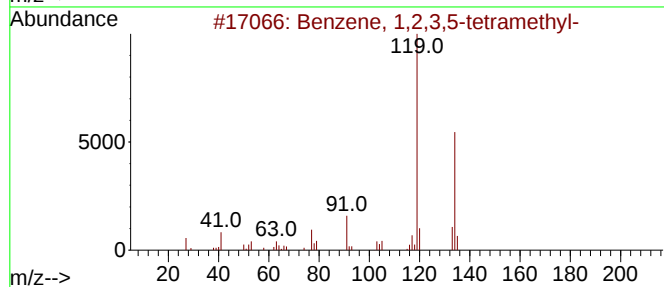
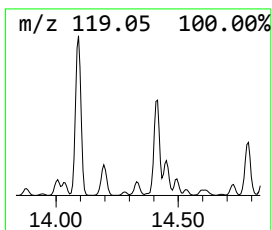
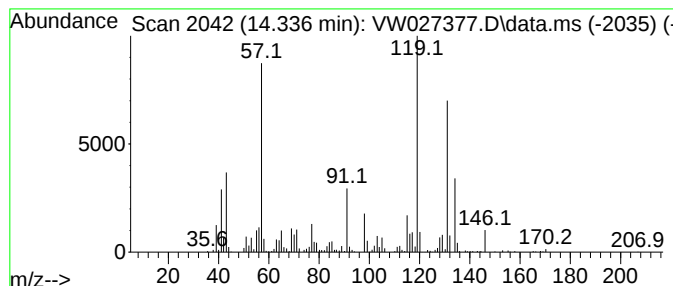
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Quant Title : SFAM01.0

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

Peak Number 37 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	14.38 ug/L	282243	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
2			p-Cymene	134	C10H14	000099-87-6	60
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

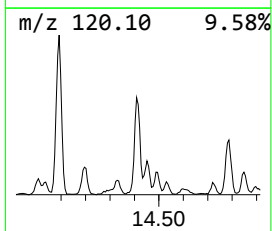
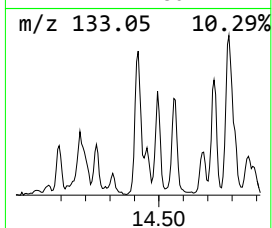
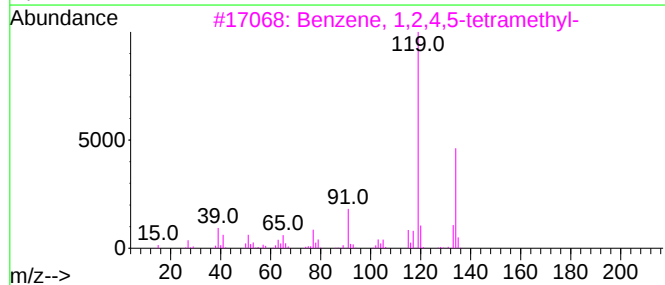
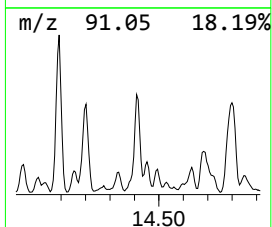
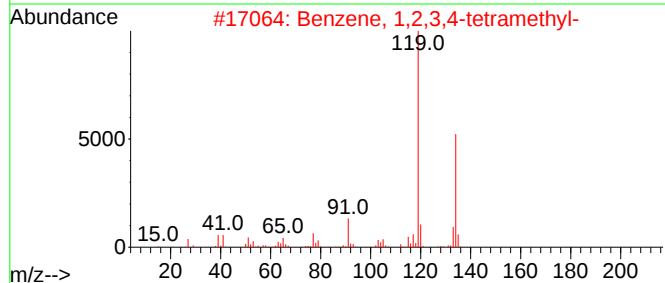
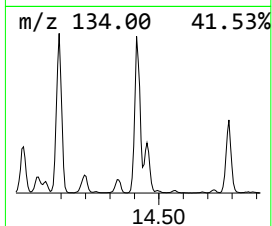
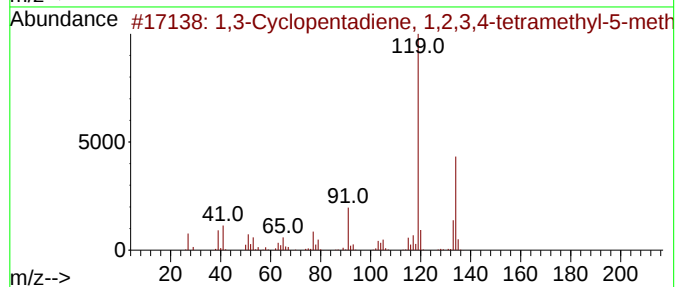
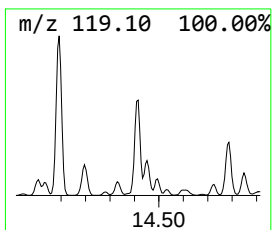
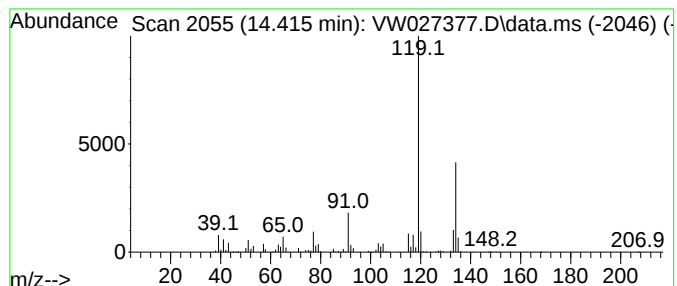
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Quant Title : SFAM01.0

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

Peak Number 38 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	55.02 ug/L	1080250	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	96
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

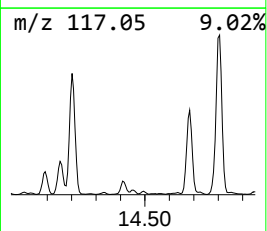
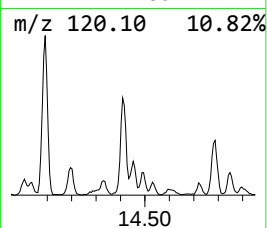
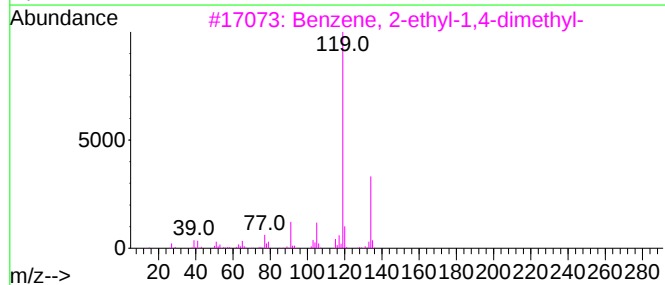
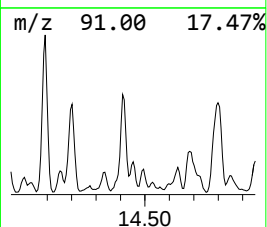
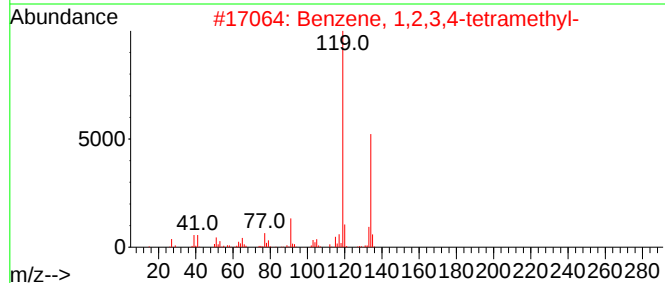
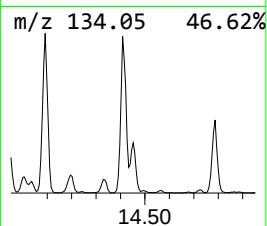
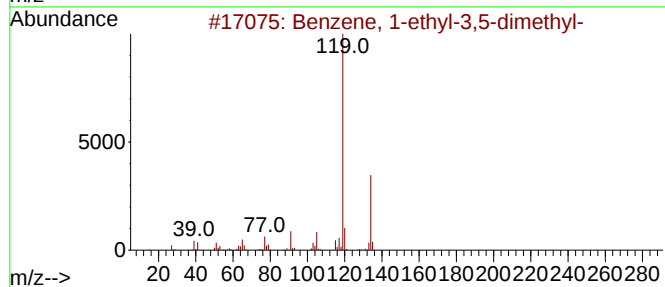
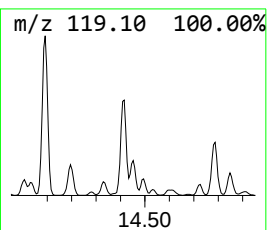
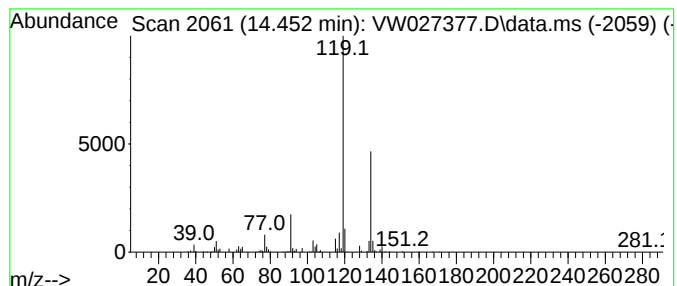
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Quant Title : SFAM01.0

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

Peak Number 39 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	8.22 ug/L	161347	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

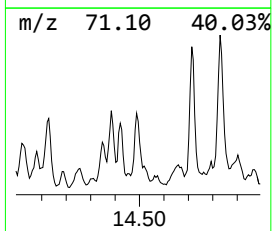
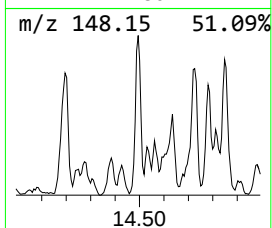
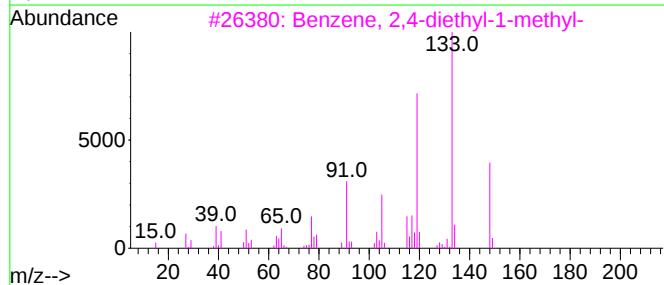
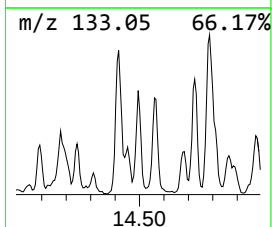
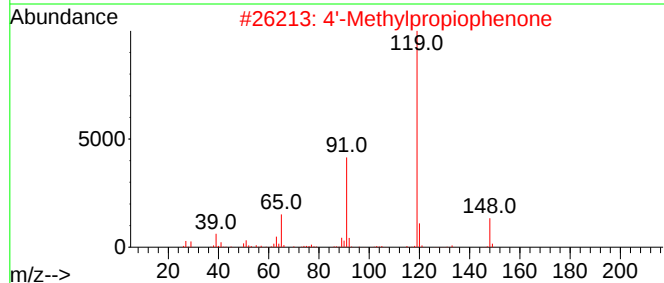
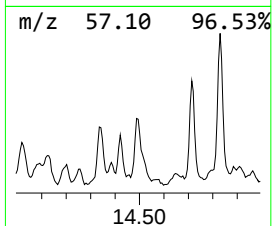
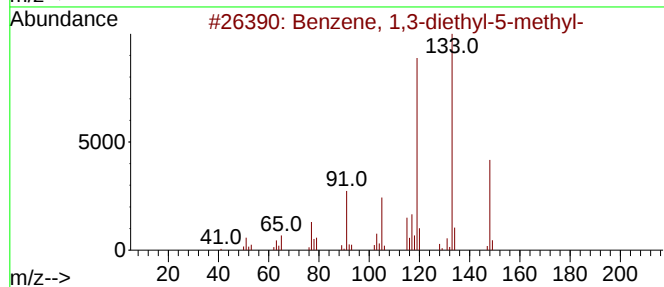
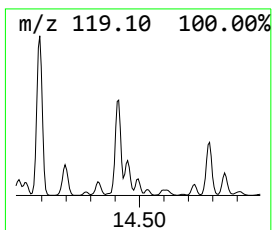
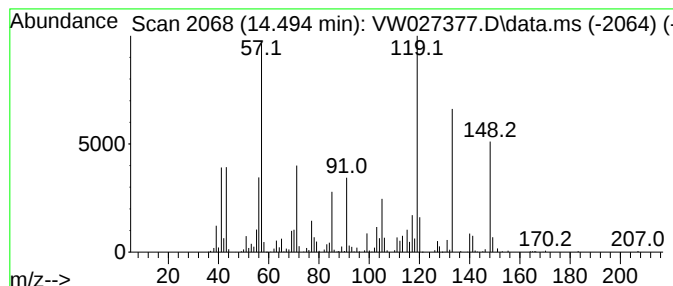
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.494	9.41 ug/L	184698	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
2			4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	30
4			3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	30
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

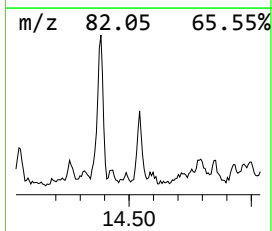
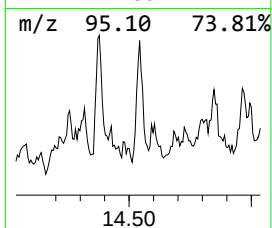
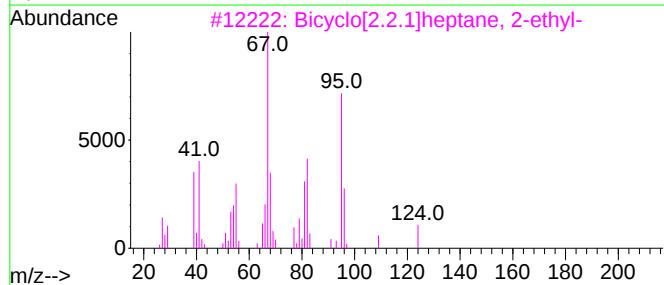
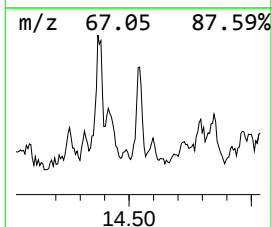
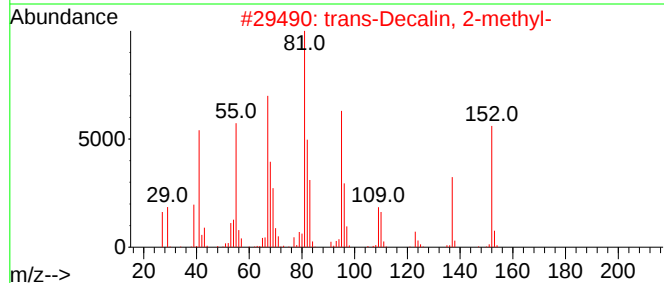
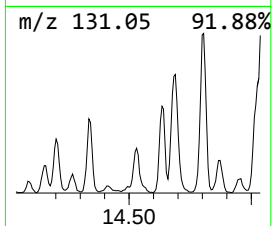
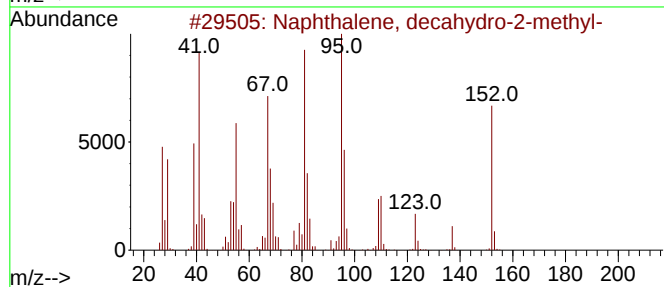
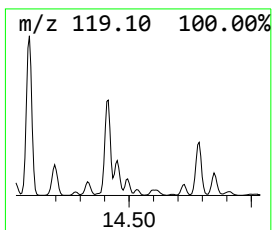
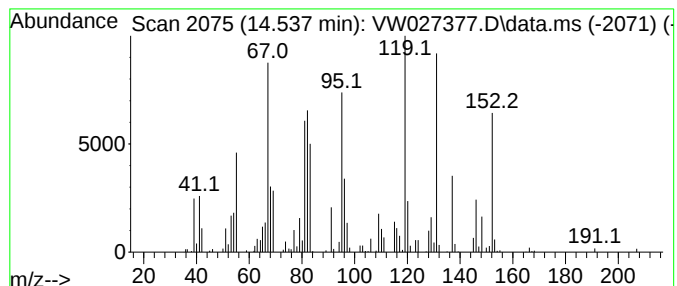
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Quant Title : SFAM01.0

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

Peak Number 41 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.537	7.68 ug/L	150732	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	47
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	46
3			Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	30
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	30
5			trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

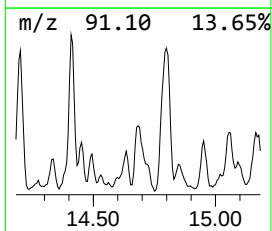
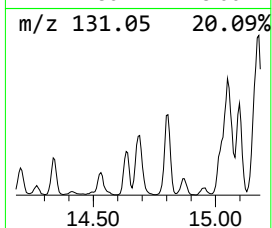
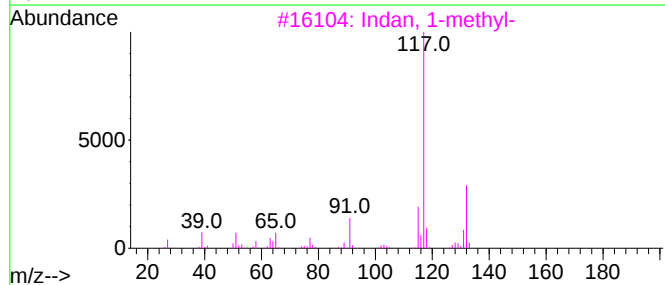
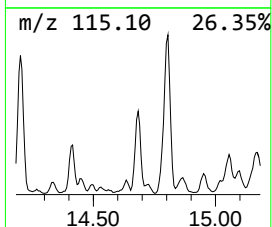
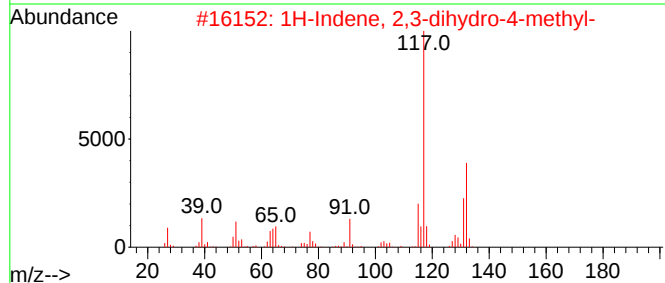
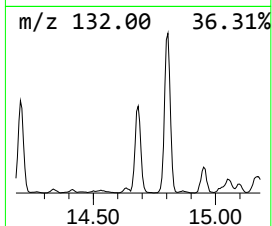
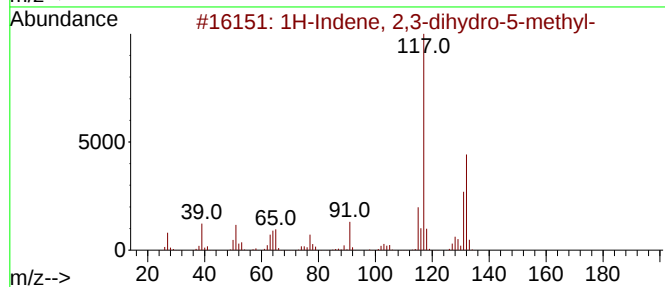
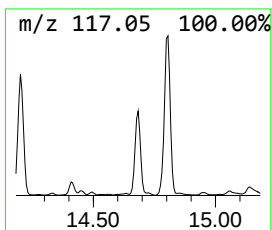
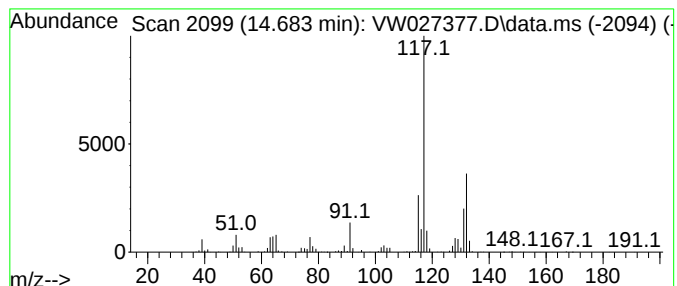
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Quant Title : SFAM01.0

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

Peak Number 43 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.683	24.41 ug/L	479169	1,4-Dichlorobenzene-d4		13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3		Indan, 1-methyl-	132	C10H12	000767-58-8	93
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

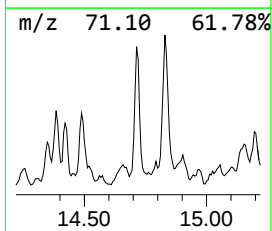
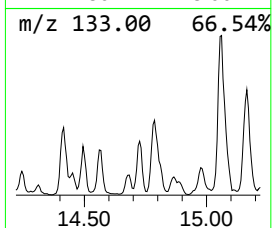
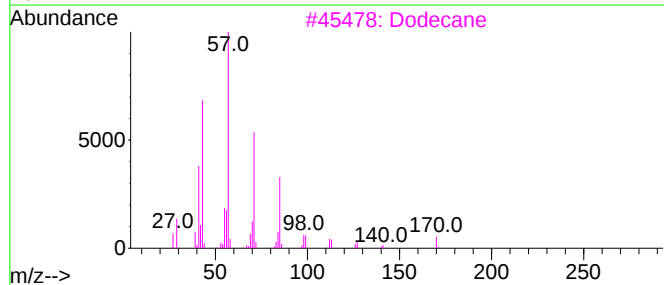
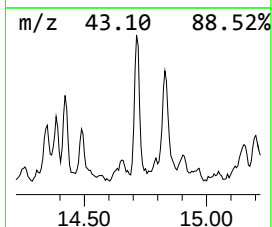
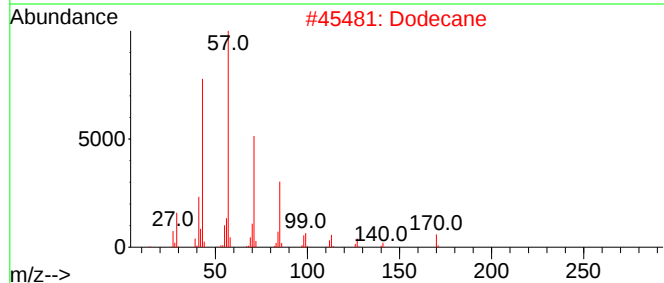
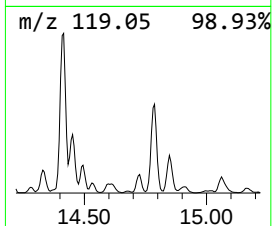
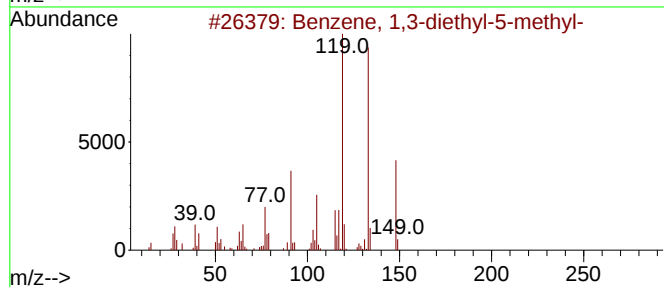
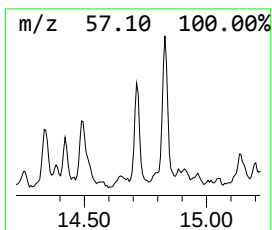
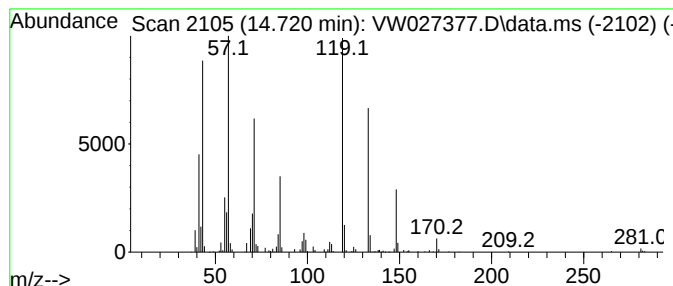
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Quant Title : SFAM01.0

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

Peak Number 44 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	15.25 ug/L	299419	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
2			Dodecane	170	C12H26	000112-40-3	38
3			Dodecane	170	C12H26	000112-40-3	38
4			Dodecane	170	C12H26	000112-40-3	30
5			Dodecane	170	C12H26	000112-40-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

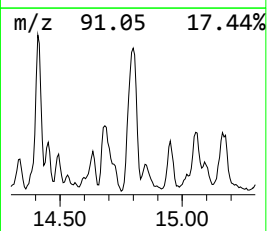
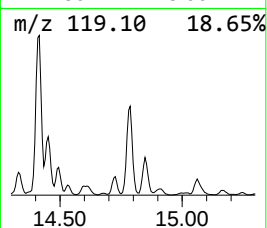
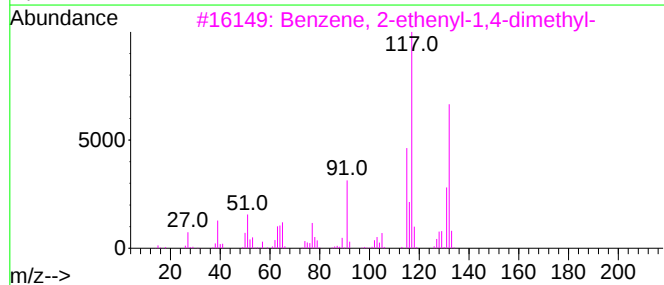
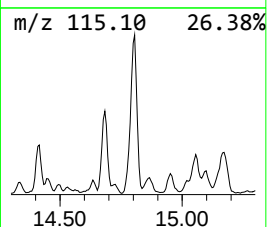
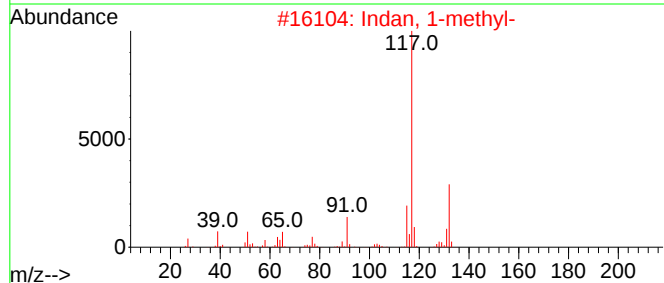
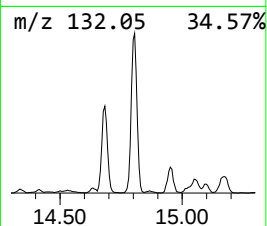
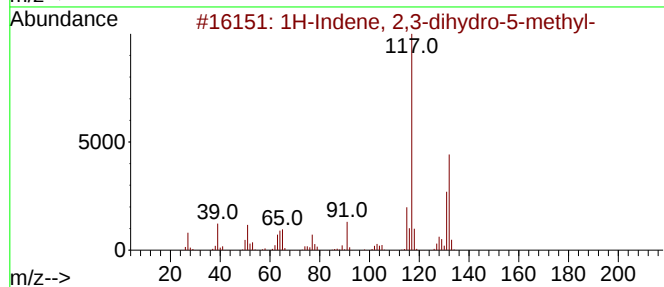
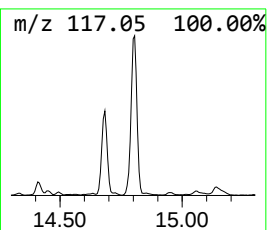
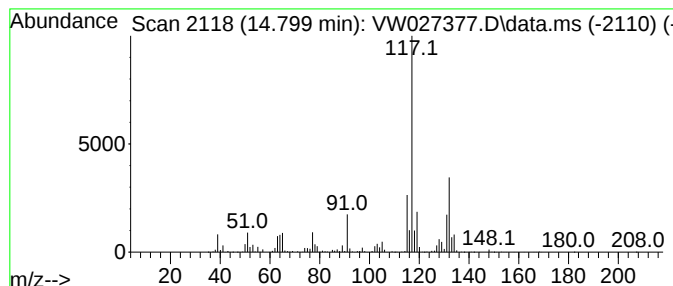
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Quant Title : SFAM01.0

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

Peak Number 45 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.799	99.60 ug/L	1955410	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2		Indan, 1-methyl-	132	C10H12	000767-58-8	93
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

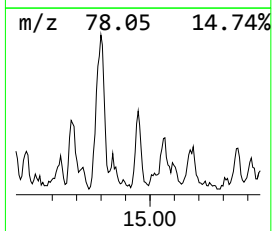
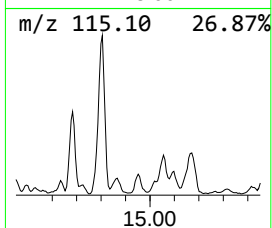
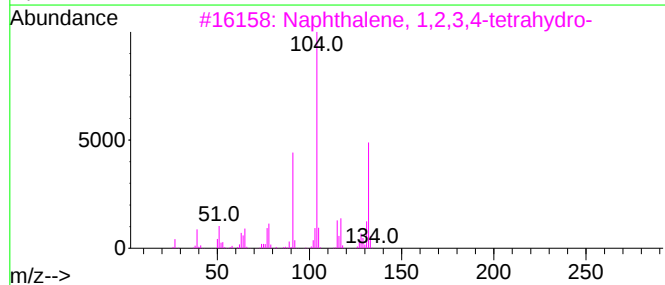
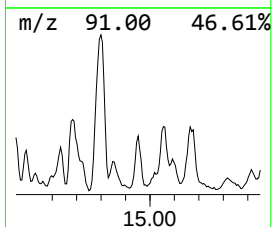
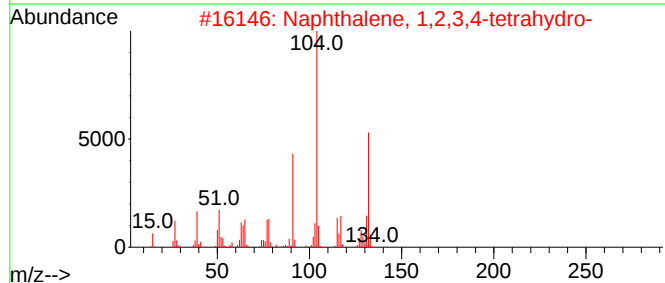
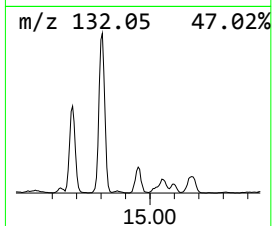
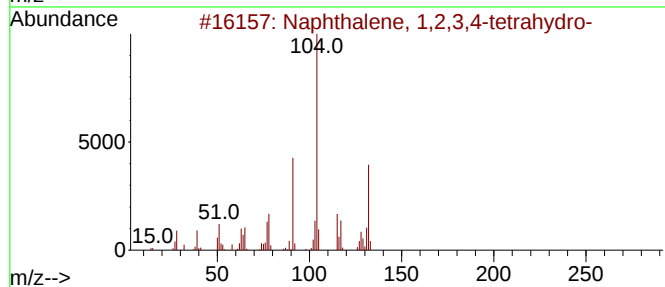
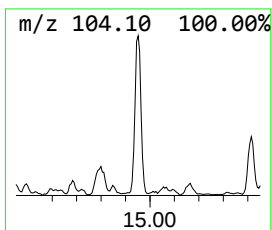
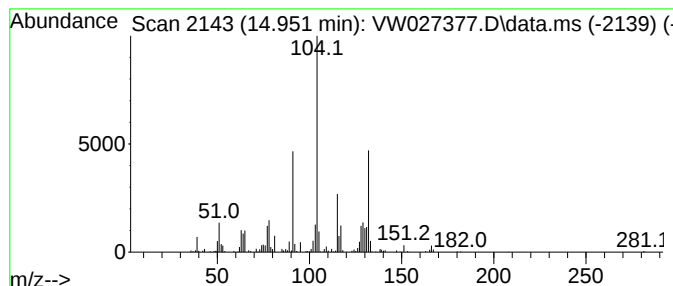
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Quant Title : SFAM01.0

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

Peak Number 46 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.951	7.89 ug/L	154838	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

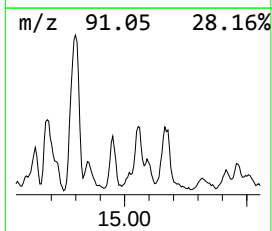
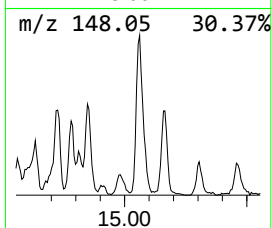
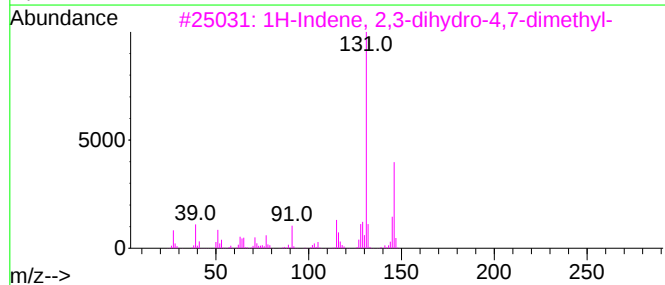
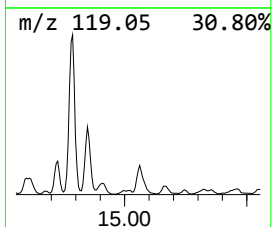
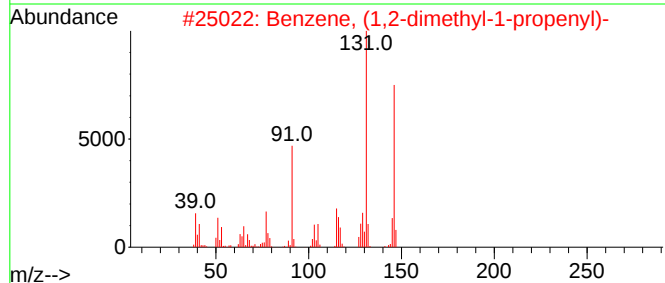
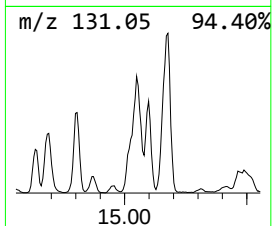
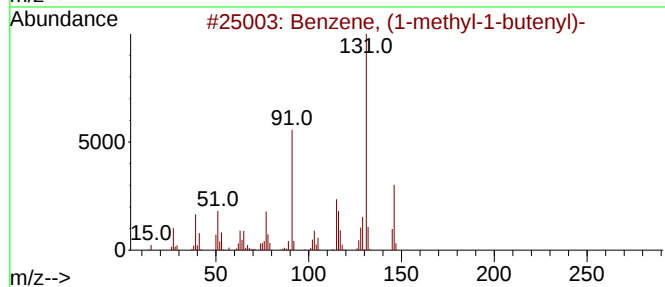
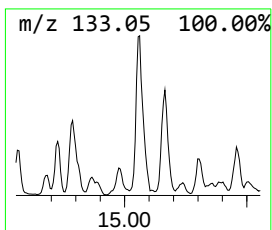
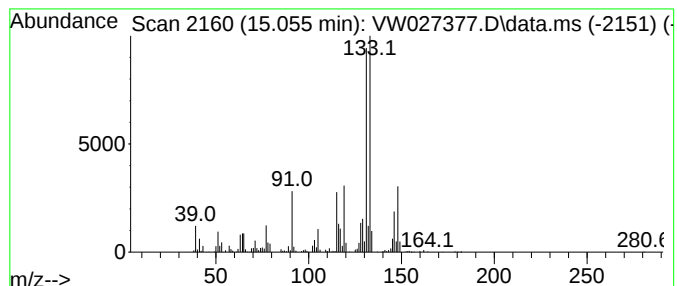
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Quant Title : SFAM01.0

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

Peak Number 47 Benzene, (1-methyl-1-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.055	24.62 ug/L	483311	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

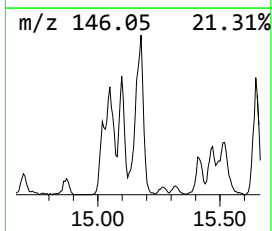
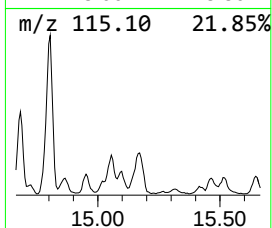
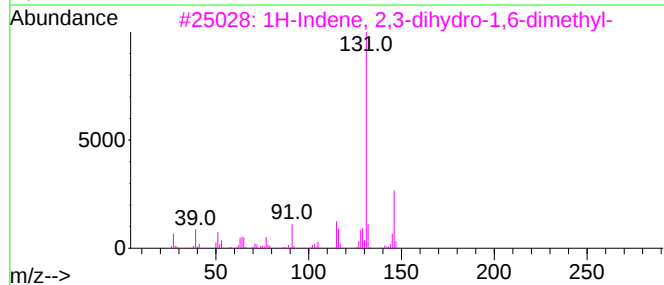
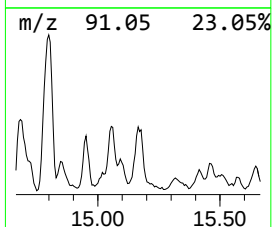
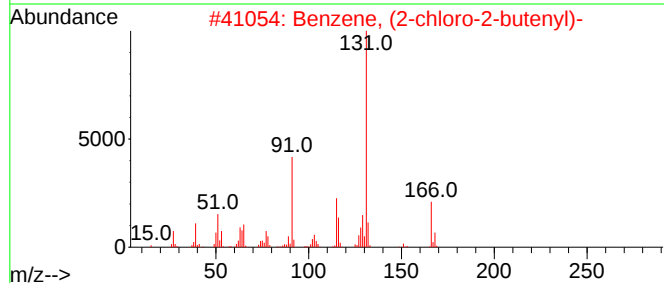
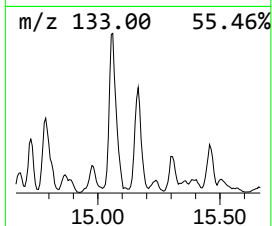
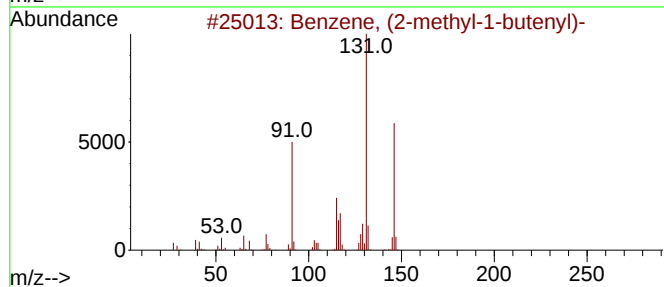
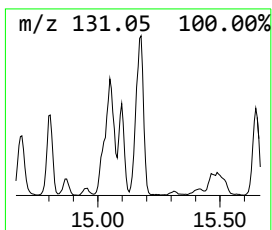
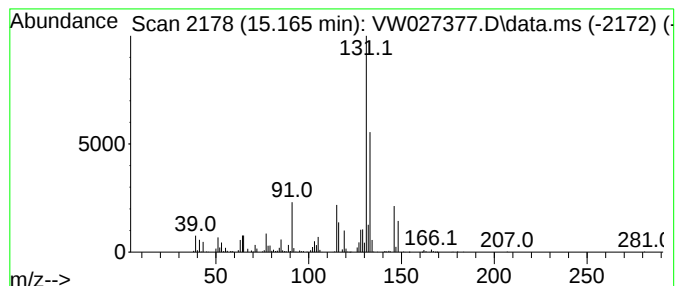
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Quant Title : SFAM01.0

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

Peak Number 49 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	24.81 ug/L	487110	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2			Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	78
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
5			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

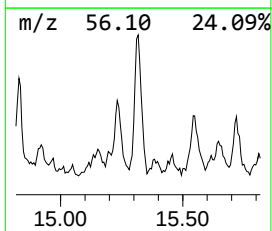
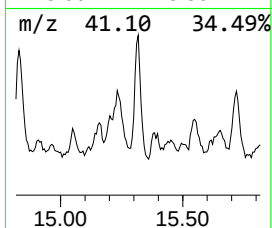
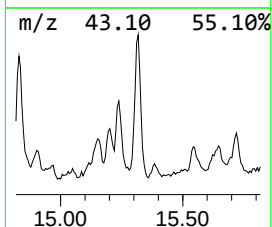
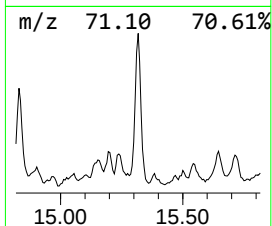
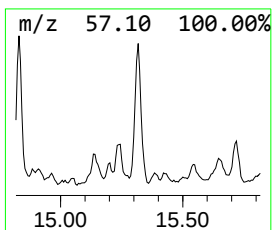
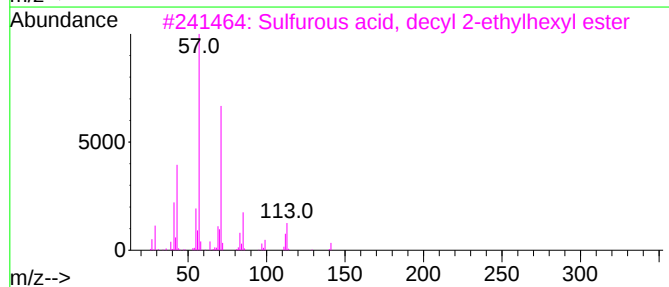
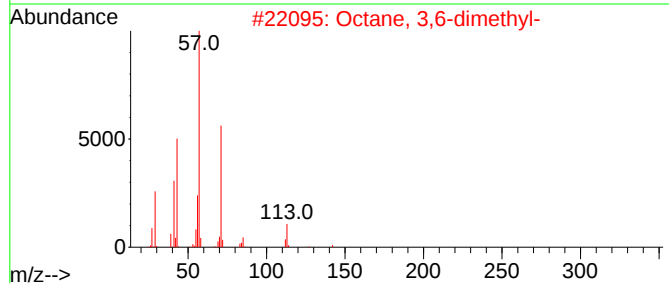
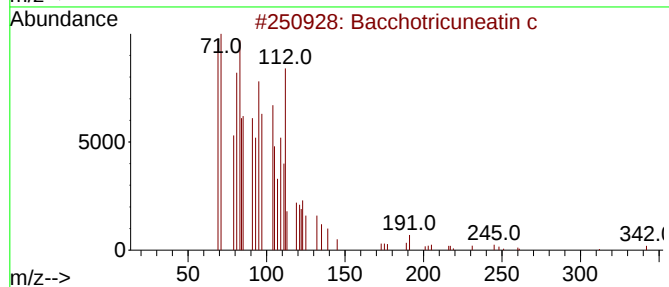
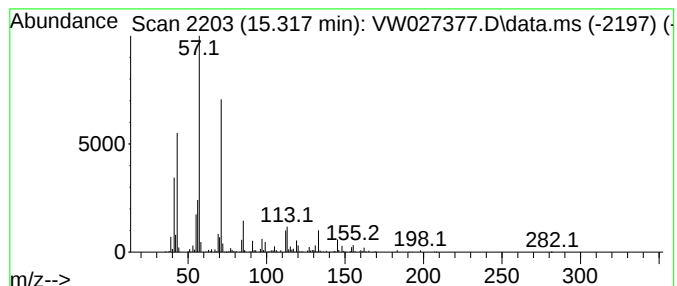
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Quant Title : SFAM01.0

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

Peak Number 50 Bacchotricuneatin c Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.317	18.63 ug/L	365783	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	62
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
3			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	58
4			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	58
5			Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

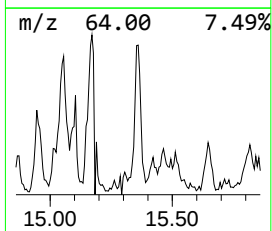
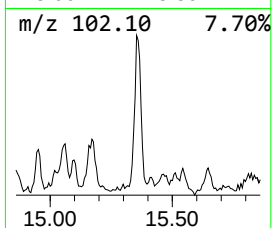
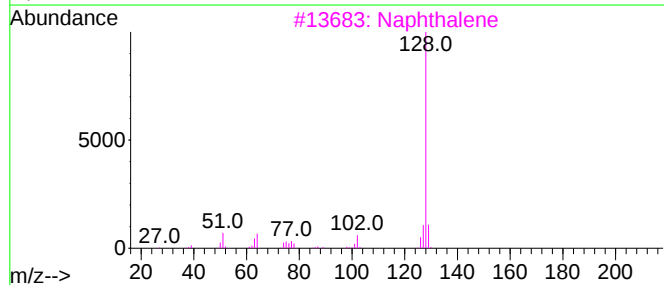
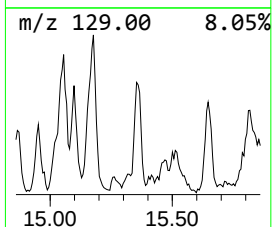
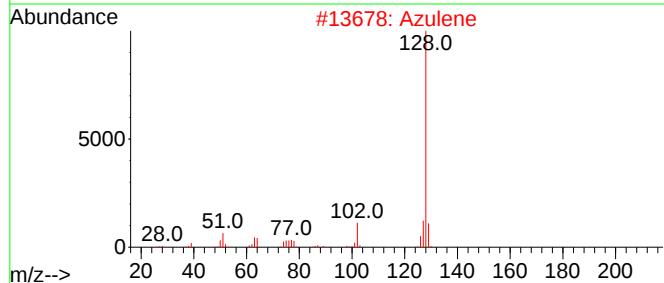
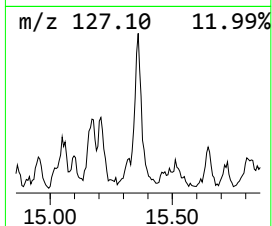
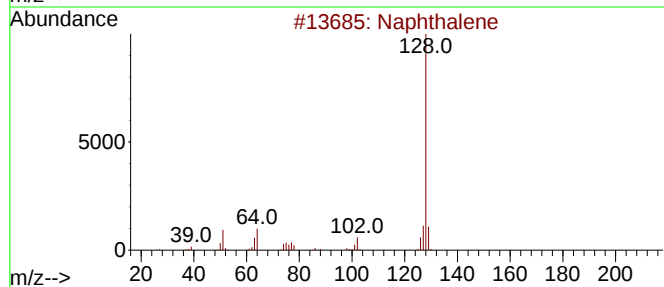
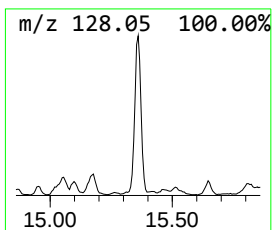
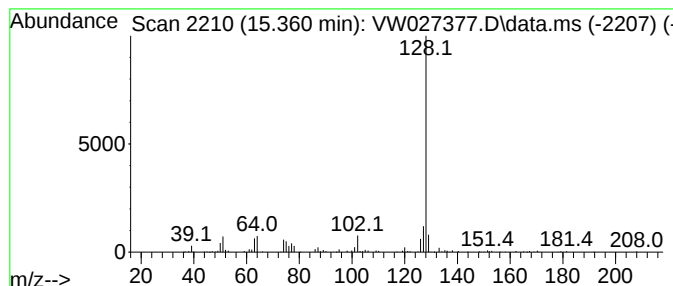
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Quant Title : SFAM01.0

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

Peak Number 51 Azulene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	8.10 ug/L	159042	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	93
2			Azulene	128	C10H8	000275-51-4	90
3			Naphthalene	128	C10H8	000091-20-3	90
4			Naphthalene	128	C10H8	000091-20-3	83
5			Tetracyanoethylene	128	C6N4	000670-54-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

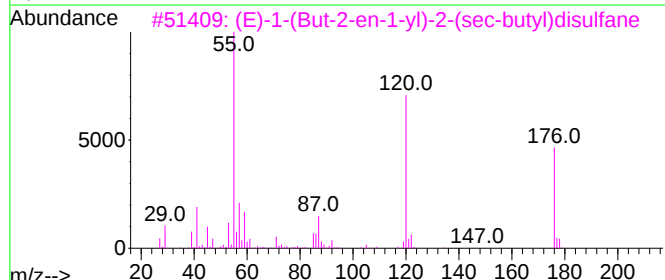
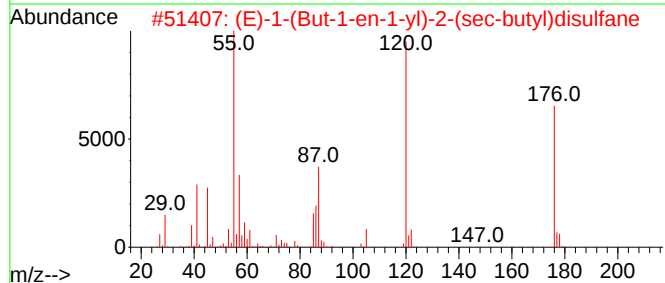
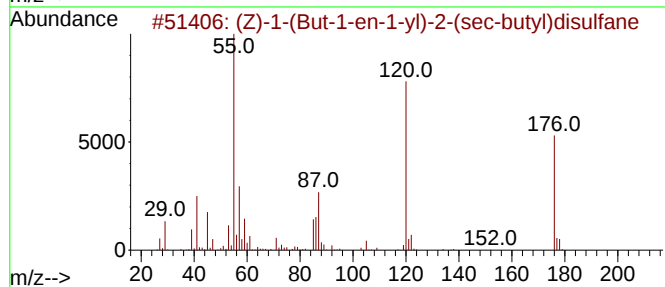
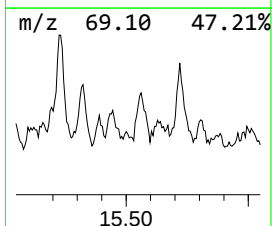
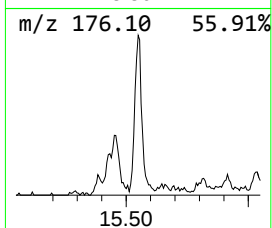
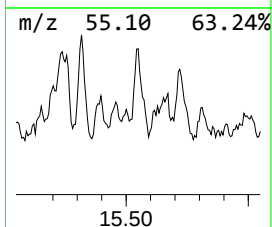
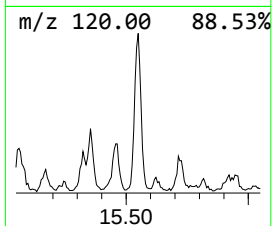
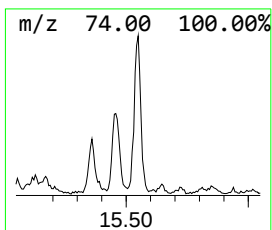
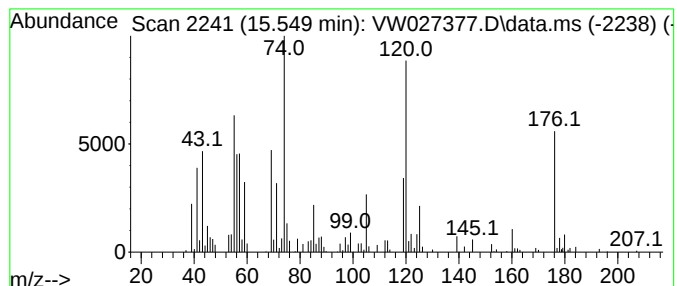
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Quant Title : SFAM01.0

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

Peak Number 53 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.549	9.66 ug/L	189683	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-(But-1-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-21-6	30		
2	(E)-1-(But-1-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-22-7	30		
3	(E)-1-(But-2-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-24-9	30		
4	(Z)-1-(But-2-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-23-8	30		
5	1,3-Dithiane	120	C4H8S2	000505-23-7	12		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

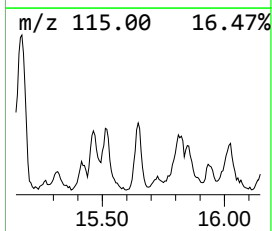
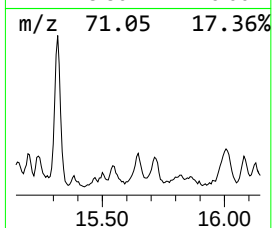
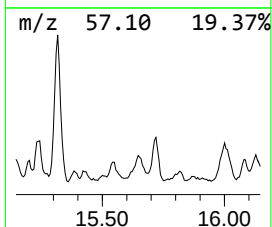
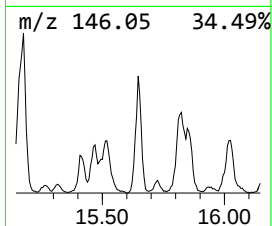
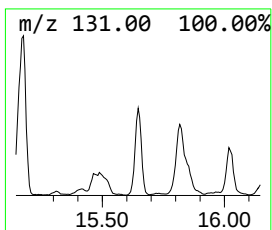
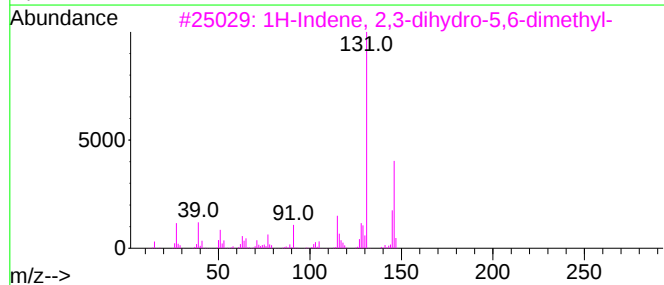
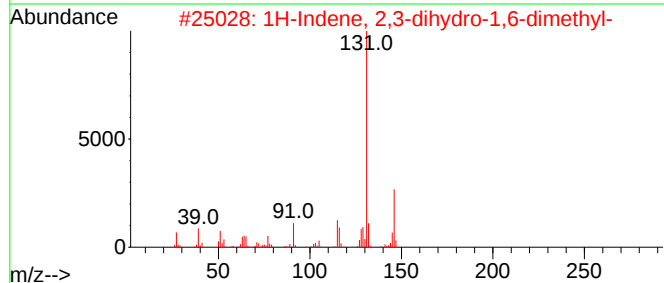
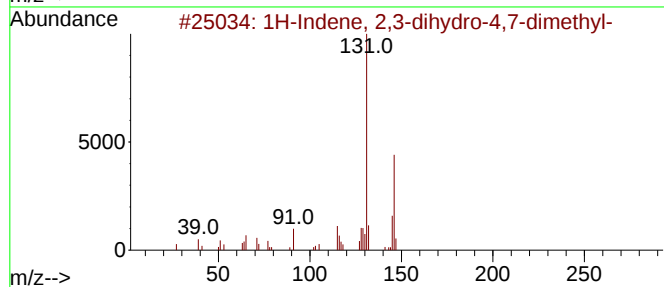
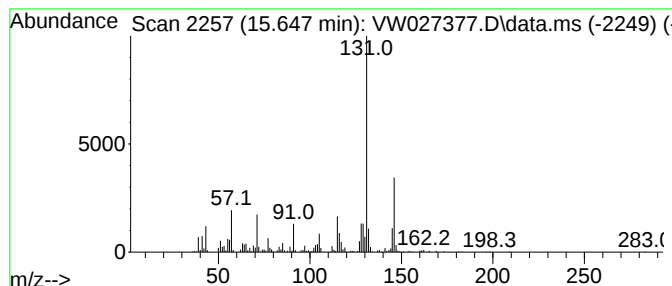
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Quant Title : SFAM01.0

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

Peak Number 54 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	17.06 ug/L	335014	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

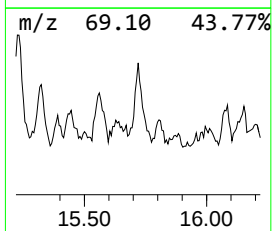
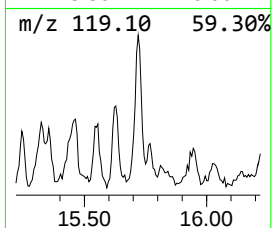
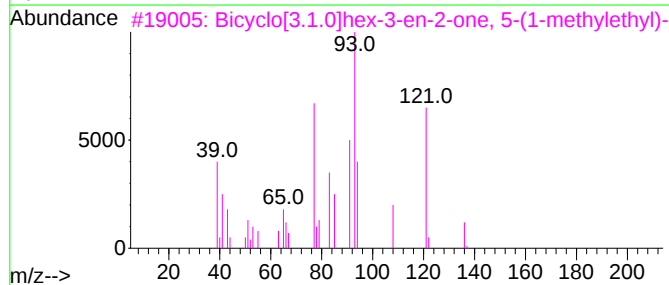
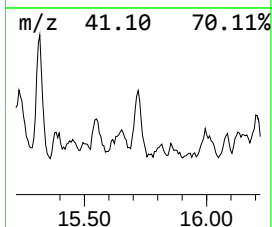
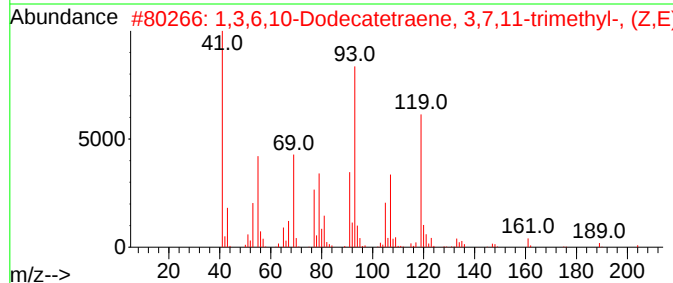
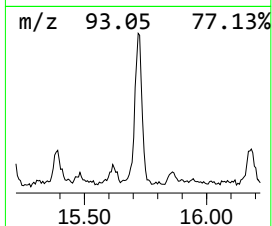
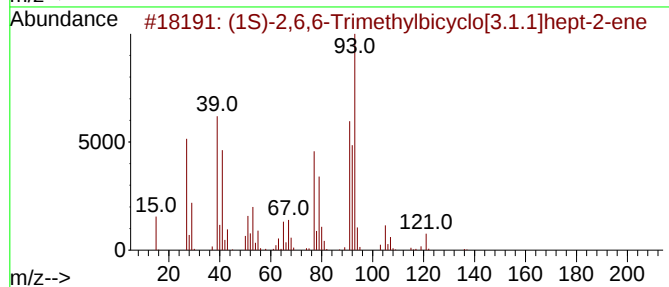
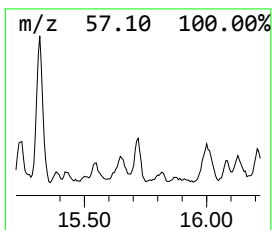
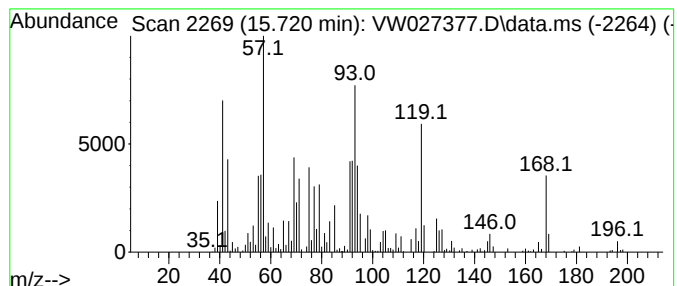
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Quant Title : SFAM01.0

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

Peak Number 55 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	13.23 ug/L	259750	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S)-2,6,6-Trimethylbicyclo[3.1...	136	C10H16	007785-26-4	27		
2	1,3,6,10-Dodecatetraene, 3,7,11-...	204	C15H24	026560-14-5	25		
3	Bicyclo[3.1.0]hex-3-en-2-one, 5-...	136	C9H12O	036262-12-1	25		
4	3-((1S,5S,6R)-2,6-Dimethylbicycl...	178	C12H18O	203499-08-5	25		
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	22		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

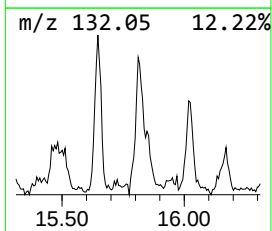
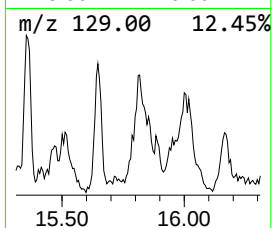
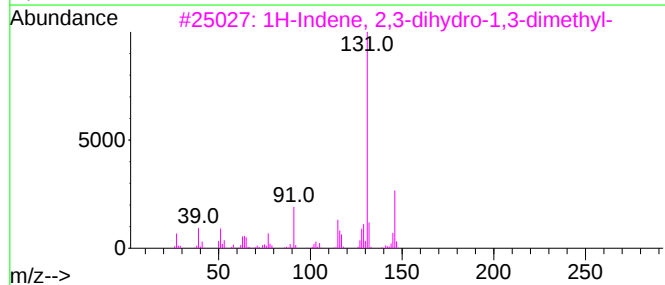
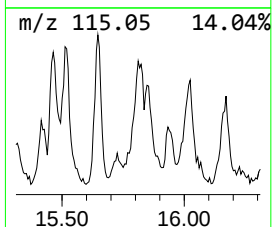
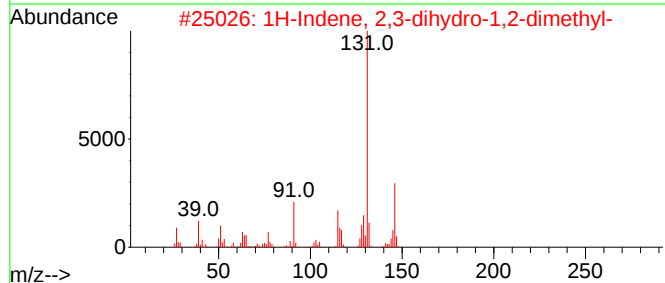
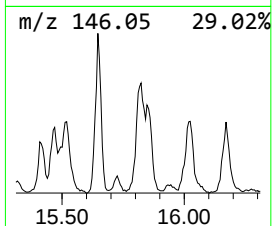
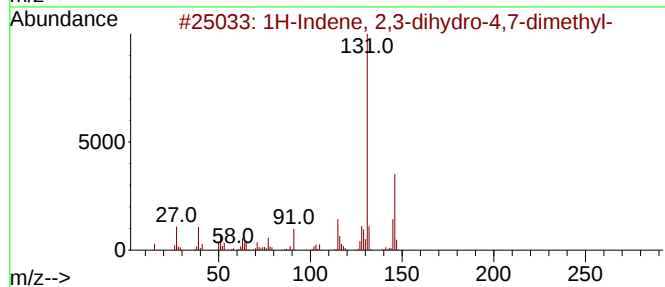
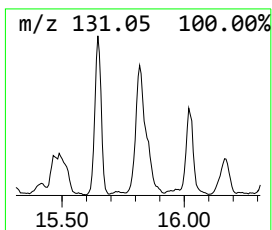
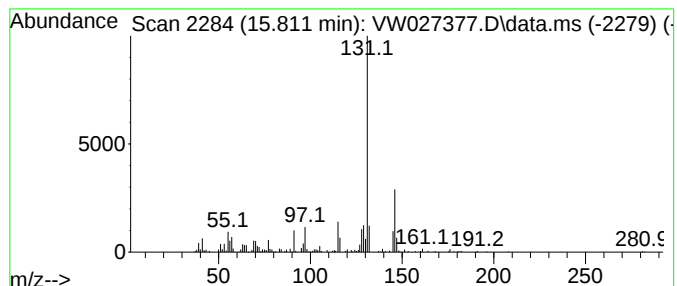
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Quant Title : SFAM01.0

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

Peak Number 56 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.811	7.92 ug/L	155577	1,4-Dichlorobenzene-d4	13.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

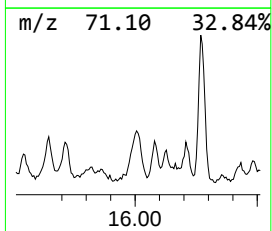
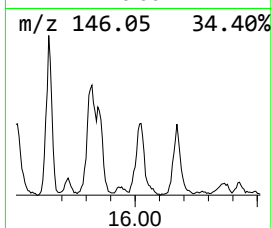
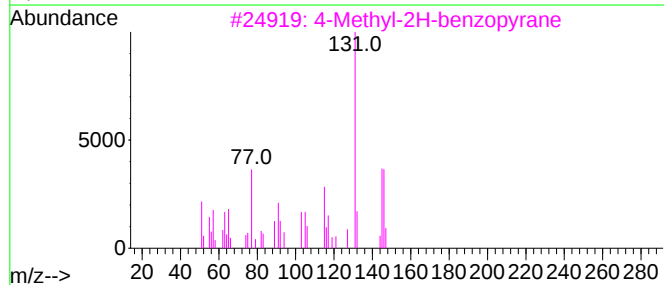
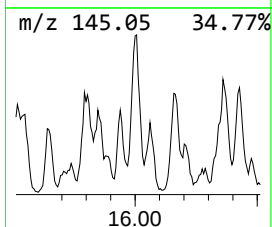
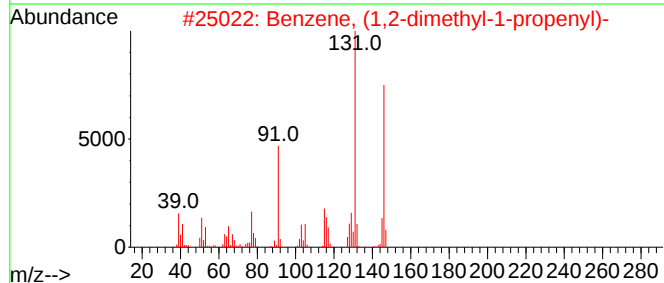
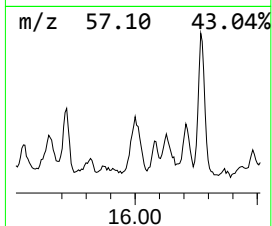
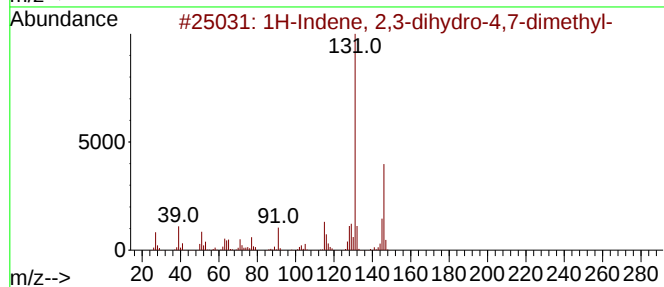
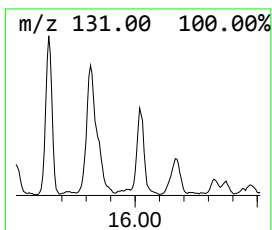
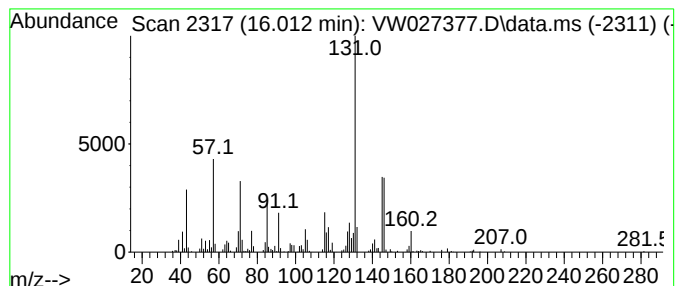
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Quant Title : SFAM01.0

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

Peak Number 58 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.012	10.98 ug/L	215556	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70		
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70		
3	4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	68		
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	68		
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

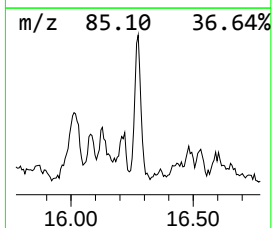
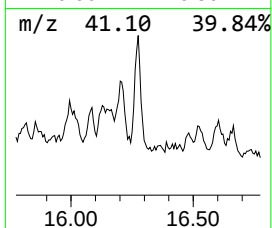
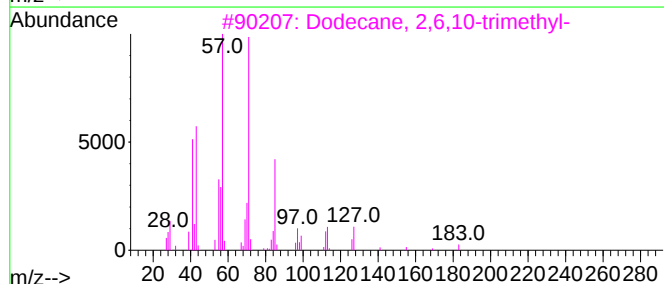
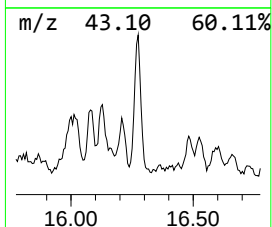
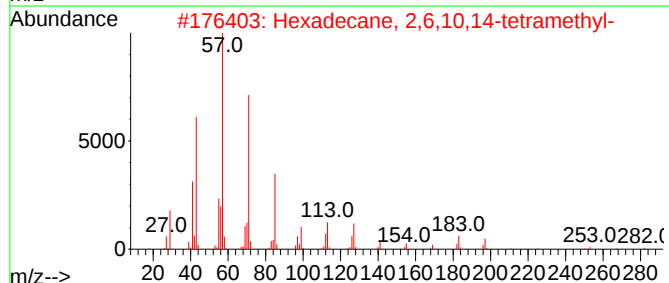
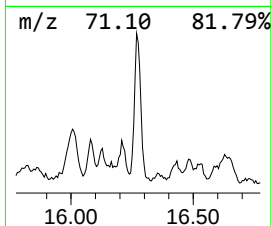
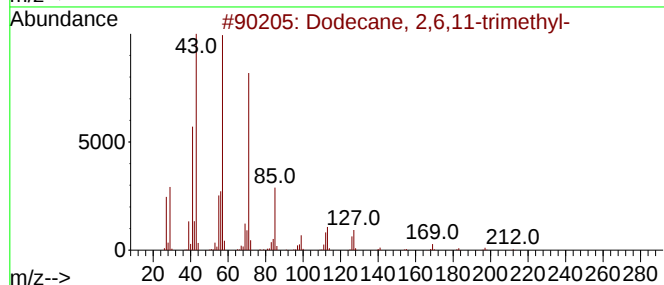
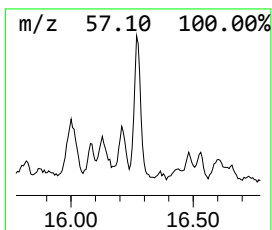
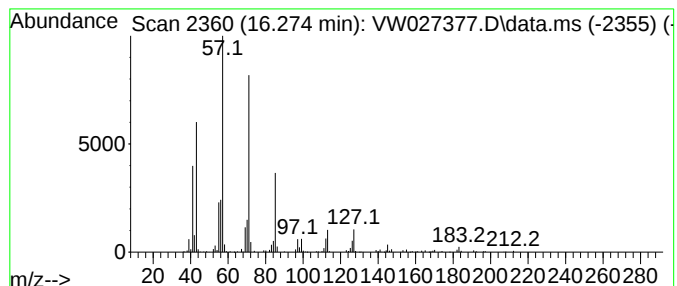
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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.274	10.94 ug/L	214765	1,4-Dichlorobenzene-d4	13.555

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	90
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

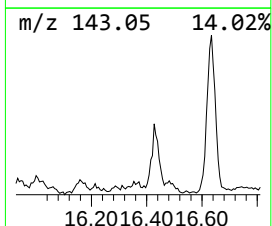
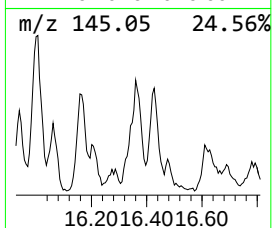
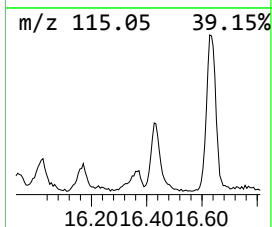
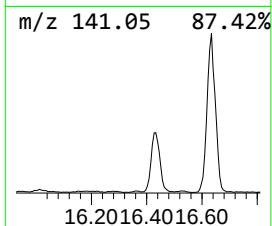
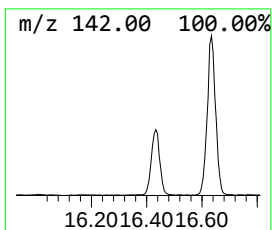
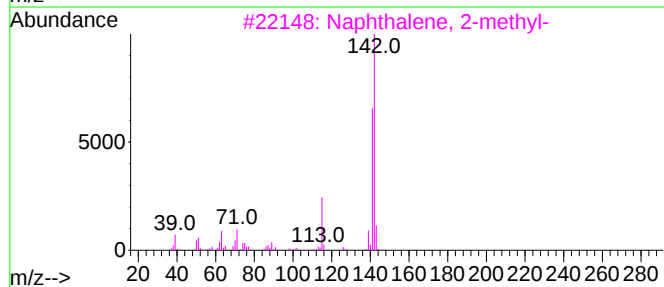
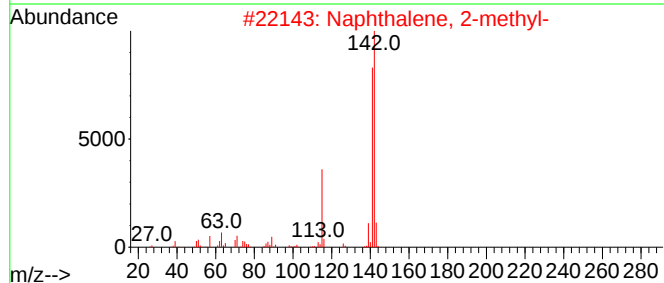
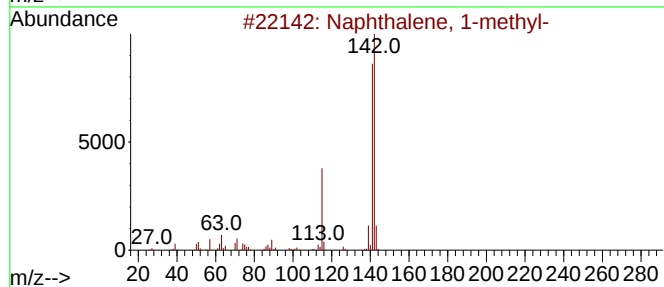
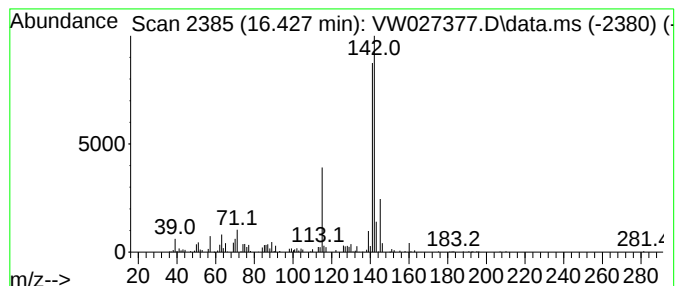
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Quant Title : SFAM01.0

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

Peak Number 61 1,4-Methanonaphthalene, 1,4... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.427	7.77 ug/L	152577	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027377.D
Acq On : 20 Oct 2023 16:34
Operator : SY/MD
Sample : 04922-03
Misc : 5.98g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAQ9

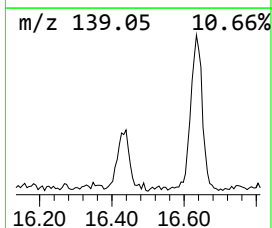
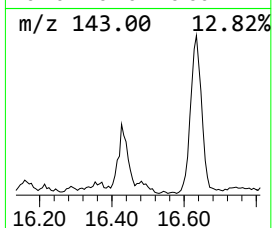
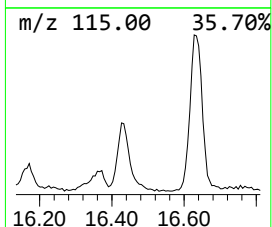
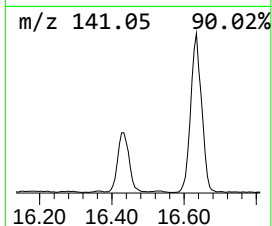
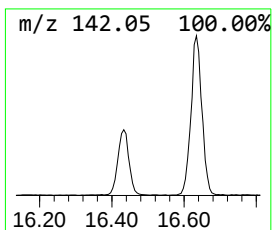
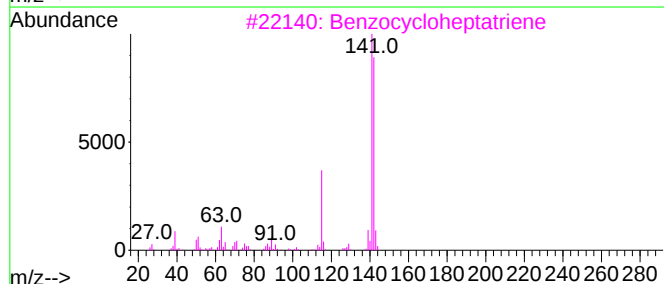
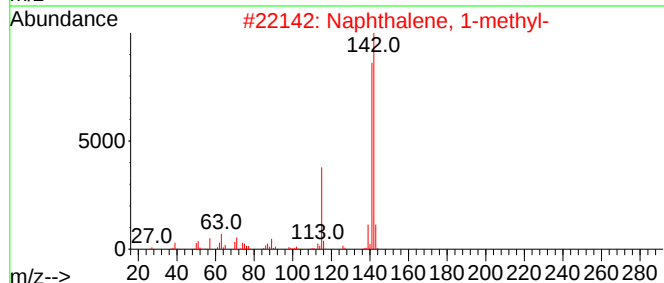
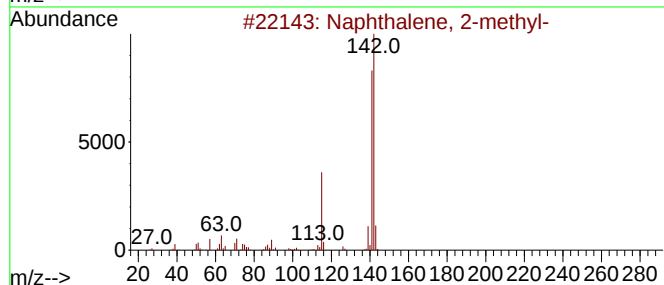
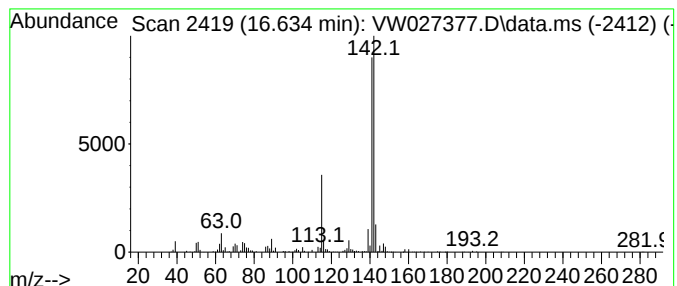
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Quant Title : SFAM01.0

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

Peak Number 62 Benzocycloheptatriene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	28.64 ug/L	562341	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3			Benzocycloheptatriene	142	C11H10	000264-09-5	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
 Data File : VW027377.D
 Acq On : 20 Oct 2023 16:34
 Operator : SY/MD
 Sample : 04922-03
 Misc : 5.98g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EOQAQ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	8.471	2.8	ug/L	106554	1	8.843	969969	25.0
(DEL) Alkane: S...	8.690	1.6	ug/L	61901	1	8.843	969969	25.0
(DEL) Alkane: S...	9.068	1.4	ug/L	55714	1	8.843	969969	25.0
(DEL) Alkane: S...	9.751	2.1	ug/L	82773	1	8.843	969969	25.0
(DEL) Alkane: S...	9.891	2.1	ug/L	82465	1	8.843	969969	25.0
(DEL) Alkane: S...	9.959	2.1	ug/L	82247	1	8.843	969969	25.0
(DEL) Alkane: S...	10.093	3.1	ug/L	120978	1	8.843	969969	25.0
(DEL) Alkane: S...	10.507	4.0	ug/L	141003	2	11.629	884157	25.0
(DEL) Alkane: C...	10.660	1.8	ug/L	61857	2	11.629	884157	25.0
(DEL) Alkane: C...	10.757	2.5	ug/L	88298	2	11.629	884157	25.0
(DEL) Alkane: C...	11.178	3.1	ug/L	108246	2	11.629	884157	25.0
(DEL) Alkane: C...	11.227	2.7	ug/L	94181	2	11.629	884157	25.0
(DEL) Alkane: S...	11.410	6.1	ug/L	215392	2	11.629	884157	25.0
(DEL) Alkane: S...	11.507	4.4	ug/L	155073	2	11.629	884157	25.0
(DEL) Alkane: C...	11.909	1.7	ug/L	60227	2	11.629	884157	25.0
(DEL) Alkane: S...	12.245	2.4	ug/L	86023	2	11.629	884157	25.0
Benzene, propyl-	12.800	32.5	ug/L	637210	3	13.555	490830	25.0
Benzene, 1-ethy...	12.860	32.3	ug/L	633273	3	13.555	490830	25.0
Benzene, 1-ethy...	13.098	67.5	ug/L	1325960	3	13.555	490830	25.0
(DEL) Alkane: S...	13.159	10.6	ug/L	208813	3	13.555	490830	25.0
Benzene, (1-met...	13.373	14.1	ug/L	275944	3	13.555	490830	25.0
p-Cymene	13.440	9.1	ug/L	179190	3	13.555	490830	25.0
Benzene, 1,2-di...	13.714	21.0	ug/L	411635	3	13.555	490830	25.0
Indane	13.751	40.1	ug/L	787833	3	13.555	490830	25.0
Benzene, 1-meth...	13.940	18.2	ug/L	357588	3	13.555	490830	25.0
Benzene, 4-ethy...	14.092	58.8	ug/L	1154750	3	13.555	490830	25.0
Indan, 1-methyl-	14.202	42.3	ug/L	830304	3	13.555	490830	25.0
Benzene, 1,2,3,...	14.336	14.4	ug/L	282243	3	13.555	490830	25.0
1,3-Cyclopentad...	14.415	55.0	ug/L	1080250	3	13.555	490830	25.0
Benzene, 1-ethy...	14.452	8.2	ug/L	161347	3	13.555	490830	25.0
Benzene, 1,3-di...	14.494	9.4	ug/L	184698	3	13.555	490830	25.0
unknown-01	14.537	7.7	ug/L	150732	3	13.555	490830	25.0
1H-Indene, 2,3-...	14.683	24.4	ug/L	479169	3	13.555	490830	25.0
unknown-02	14.720	15.3	ug/L	299419	3	13.555	490830	25.0
3-Phenylbut-1-ene	14.799	99.6	ug/L	1955410	3	13.555	490830	25.0
Naphthalene, 1,...	14.951	7.9	ug/L	154838	3	13.555	490830	25.0
Benzene, (1-met...	15.055	24.6	ug/L	483311	3	13.555	490830	25.0
Benzene, (2-met...	15.165	24.8	ug/L	487110	3	13.555	490830	25.0
Bacchotricuneat...	15.317	18.6	ug/L	365783	3	13.555	490830	25.0
Azulene	15.360	8.1	ug/L	159042	3	13.555	490830	25.0
unknown-03	15.549	9.7	ug/L	189683	3	13.555	490830	25.0
1H-Indene, 2,3-...	15.647	17.1	ug/L	335014	3	13.555	490830	25.0
unknown-04	15.720	13.2	ug/L	259750	3	13.555	490830	25.0
1H-Indene, 2,3-...	15.811	7.9	ug/L	155577	3	13.555	490830	25.0
Benzene, (1,2-d...	16.012	11.0	ug/L	215556	3	13.555	490830	25.0
(DEL) Alkane: S...	16.274	10.9	ug/L	214765	3	13.555	490830	25.0
1,4-Methanonaph...	16.427	7.8	ug/L	152577	3	13.555	490830	25.0
Benzocyclohepta...	16.634	28.6	ug/L	562341	3	13.555	490830	25.0