

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
 Data File : VW027105.D
 Acq On : 14 Sep 2023 16:15
 Operator : SY/MD
 Sample : 04417-18
 Misc : 4.96g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYN4

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\SFAMWLM090523SMA.M
 Title : SFAM01.0

Signal : TIC: VW027105.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.180	42	48	52	rBV	30843	49854	0.98%	0.086%
2	2.363	71	78	88	rBV	59439	162493	3.18%	0.279%
3	2.631	114	122	124	rBV9	8989	22043	0.43%	0.038%
4	2.899	158	166	181	rBV2	58815	177458	3.48%	0.304%
5	3.027	181	187	199	rVB2	37865	104041	2.04%	0.178%
6	4.027	337	351	362	rBV	114163	418667	8.20%	0.718%
7	4.935	485	500	501	rBV4	37025	116276	2.28%	0.199%
8	5.435	574	582	593	rVV4	17140	55402	1.09%	0.095%
9	5.941	655	665	678	rVB4	13775	45867	0.90%	0.079%
10	6.984	826	836	846	rBV4	27096	81515	1.60%	0.140%
11	7.130	846	860	875	rBV6	52969	230464	4.52%	0.395%
12	7.679	937	950	962	rBV	326380	798810	15.65%	1.370%
13	7.953	983	995	1003	rVV4	66027	212894	4.17%	0.365%
14	8.032	1003	1008	1017	rVV2	26643	68102	1.33%	0.117%
15	8.154	1023	1028	1034	rVV2	19680	46529	0.91%	0.080%
16	8.276	1034	1048	1064	rVV3	594199	1915397	37.53%	3.286%
17	8.429	1066	1073	1080	rVV5	21552	58987	1.16%	0.101%
18	8.508	1080	1086	1090	rVV3	19988	45949	0.90%	0.079%
19	8.575	1090	1097	1106	rVV2	42731	101256	1.98%	0.174%
20	8.697	1109	1117	1122	rBV7	11438	23044	0.45%	0.040%
21	8.843	1130	1141	1152	rBV	850532	1666234	32.65%	2.859%
22	9.087	1171	1181	1195	rBV2	462394	1029577	20.18%	1.766%
23	9.276	1202	1212	1217	rBV	442723	962726	18.87%	1.652%
24	9.337	1217	1222	1238	rVB	424778	890031	17.44%	1.527%
25	9.514	1246	1251	1258	rBV3	13229	25519	0.50%	0.044%
26	9.605	1258	1266	1272	rBV2	23831	51293	1.01%	0.088%
27	9.752	1283	1290	1296	rBV2	27293	51518	1.01%	0.088%
28	9.953	1317	1323	1329	rVV5	21503	45055	0.88%	0.077%
29	10.032	1329	1336	1342	rVV	142249	270856	5.31%	0.465%
30	10.087	1343	1345	1351	rVV5	19344	30163	0.59%	0.052%
31	10.325	1376	1384	1391	rBV	762592	1471279	28.83%	2.524%
32	10.386	1391	1394	1400	rVV	111886	195393	3.83%	0.335%
33	10.501	1406	1413	1419	rVB3	41799	109579	2.15%	0.188%
34	10.581	1419	1426	1435	rBV	77971	158577	3.11%	0.272%
35	10.666	1435	1440	1450	rVB3	56759	119714	2.35%	0.205%
36	10.764	1450	1456	1466	rVB5	20353	40766	0.80%	0.070%

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 Title : SFAM01.0

37	10.940	1475	1485	1498	rBV5	122515	307718	6.03%	0.528%
38	11.178	1515	1524	1528	rBV	58542	116240	2.28%	0.199%
39	11.227	1528	1532	1538	rVB	122524	204944	4.02%	0.352%
40	11.337	1545	1550	1556	rVB3	28834	51241	1.00%	0.088%
41	11.629	1590	1598	1608	rBV	989128	1624763	31.84%	2.787%
42	11.727	1608	1614	1622	rVB2	82092	142654	2.80%	0.245%
43	11.831	1624	1631	1641	rBV	225881	452508	8.87%	0.776%
44	12.166	1674	1686	1696	rBV	154868	319779	6.27%	0.549%
45	12.294	1703	1707	1710	rBV2	17893	31034	0.61%	0.053%
46	12.337	1710	1714	1719	rVV3	25781	53315	1.04%	0.091%
47	12.465	1731	1735	1744	rVB5	17242	39202	0.77%	0.067%
48	12.605	1753	1758	1764	rVB2	28612	49033	0.96%	0.084%
49	12.690	1767	1772	1779	rBV6	14566	37795	0.74%	0.065%
50	12.775	1779	1786	1787	rBV4	23800	33686	0.66%	0.058%
51	12.861	1794	1800	1804	rBV	117793	207774	4.07%	0.356%
52	12.897	1804	1806	1808	rVV	53101	64237	1.26%	0.110%
53	12.940	1808	1813	1820	rVB	119856	220332	4.32%	0.378%
54	13.099	1833	1839	1845	rVB	65353	114722	2.25%	0.197%
55	13.166	1845	1850	1853	rBV3	20913	32685	0.64%	0.056%
56	13.251	1858	1864	1869	rBV	267524	434602	8.52%	0.746%
57	13.440	1889	1895	1899	rVV3	58580	98975	1.94%	0.170%
58	13.483	1899	1902	1908	rVB5	20746	36121	0.71%	0.062%
59	13.556	1908	1914	1923	rBV2	637647	1206796	23.65%	2.070%
60	13.714	1933	1940	1941	rBV4	44667	90029	1.76%	0.154%
61	13.745	1941	1945	1948	rVV2	125960	194732	3.82%	0.334%
62	13.787	1948	1952	1957	rVV2	274865	430167	8.43%	0.738%
63	13.855	1957	1963	1971	rVB2	442447	1009551	19.78%	1.732%
64	13.946	1974	1978	1982	rBV	76732	105614	2.07%	0.181%
65	14.007	1983	1988	1990	rBV2	179058	255629	5.01%	0.439%
66	14.037	1990	1993	1997	rVV	139960	197932	3.88%	0.340%
67	14.092	1998	2002	2010	rVB	312821	487488	9.55%	0.836%
68	14.196	2013	2019	2024	rBV	401882	688644	13.49%	1.181%
69	14.245	2024	2027	2030	rBV	127581	184168	3.61%	0.316%
70	14.330	2036	2041	2045	rBV2	279070	467933	9.17%	0.803%
71	14.379	2045	2049	2051	rVV2	238588	321850	6.31%	0.552%
72	14.415	2051	2055	2057	rVV	441872	652902	12.79%	1.120%
73	14.452	2057	2061	2065	rVV	1347916	1888624	37.01%	3.240%
74	14.495	2065	2068	2071	rVV	745276	925075	18.13%	1.587%
75	14.537	2071	2075	2083	rVB3	711489	1288408	25.25%	2.210%
76	14.635	2083	2091	2095	rVB2	322593	591132	11.58%	1.014%

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77	14.678	2095	2098	2101	rBV	205324	328938	6.45%	0.564%
78	14.720	2101	2105	2110	rVB2	871642	1383362	27.11%	2.373%
79	14.781	2110	2115	2123	rBV3	1437537	3137813	61.49%	5.383%
80	14.854	2123	2127	2131	rBV	444941	699997	13.72%	1.201%
81	14.982	2141	2148	2151	rBV	290379	645699	12.65%	1.108%
82	15.062	2156	2161	2173	rVV2	1661429	5103001	100.00%	8.755%
83	15.165	2173	2178	2185	rVV4	1317423	2814413	55.15%	4.828%
84	15.245	2188	2191	2197	rVB4	188870	424395	8.32%	0.728%
85	15.312	2197	2202	2206	rBV4	445711	912755	17.89%	1.566%
86	15.354	2206	2209	2214	rVB2	591413	920881	18.05%	1.580%
87	15.409	2214	2218	2221	rBV2	267802	462893	9.07%	0.794%
88	15.464	2222	2227	2230	rBV	395696	637110	12.49%	1.093%
89	15.543	2238	2240	2250	rVB6	514477	1086665	21.29%	1.864%
90	15.653	2250	2258	2265	rBV5	663846	1789413	35.07%	3.070%
91	15.726	2266	2270	2273	rVV2	186630	284537	5.58%	0.488%
92	15.805	2273	2283	2288	rVV6	419093	1443433	28.29%	2.476%
93	15.940	2296	2305	2310	rBV3	668588	1468563	28.78%	2.519%
94	16.019	2311	2318	2323	rBV6	247028	786403	15.41%	1.349%
95	16.165	2333	2342	2348	rBV4	485506	1322429	25.91%	2.269%
96	16.360	2366	2374	2380	rBV7	254736	780390	15.29%	1.339%
97	16.433	2380	2386	2390	rVV	572100	1293983	25.36%	2.220%
98	16.476	2391	2393	2405	rVB4	460827	861530	16.88%	1.478%
99	16.635	2411	2419	2431	rBV4	728297	1935552	37.93%	3.321%
100	16.738	2432	2436	2444	rVB4	124344	252125	4.94%	0.433%

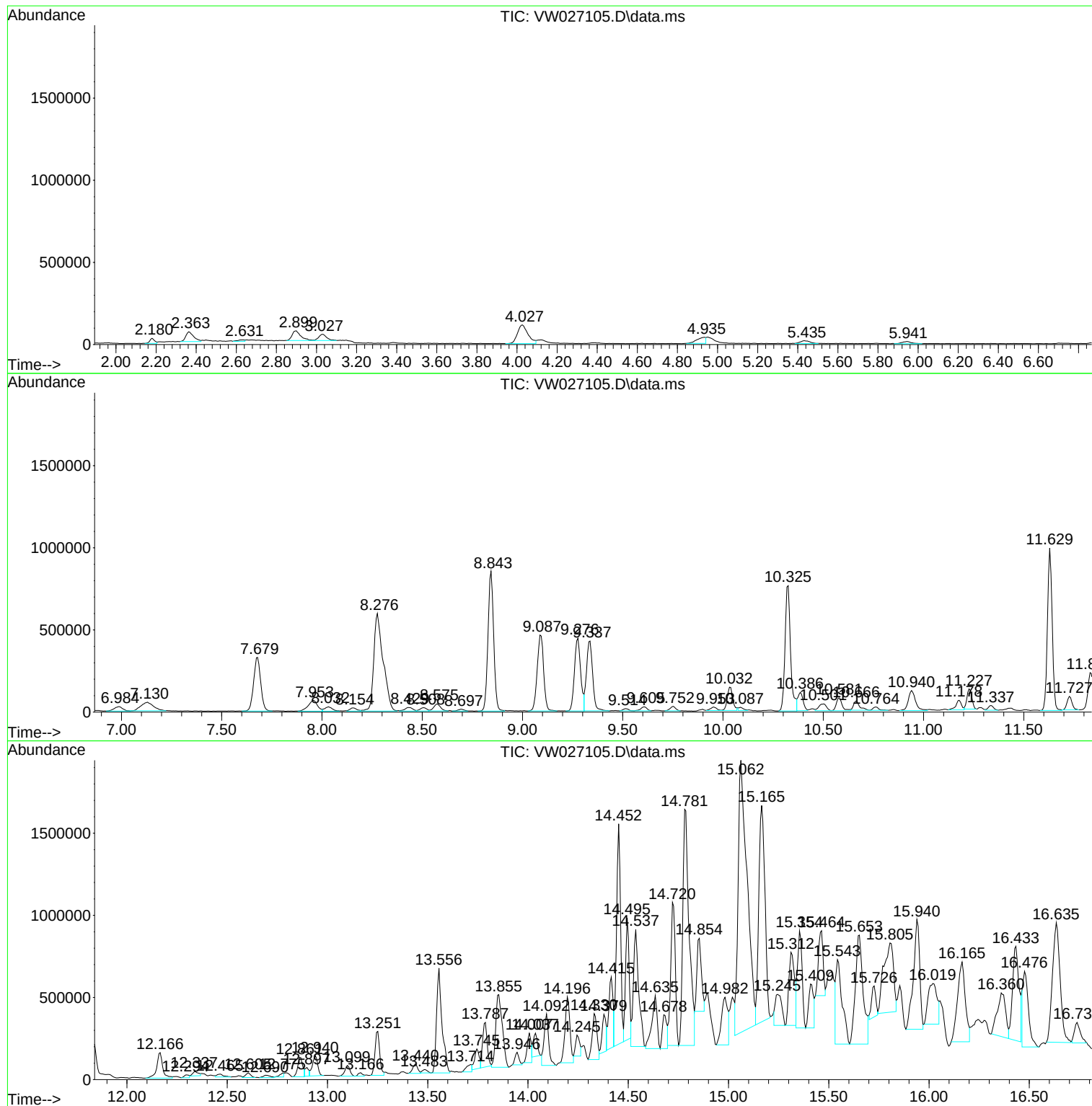
Sum of corrected areas: 58289642

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.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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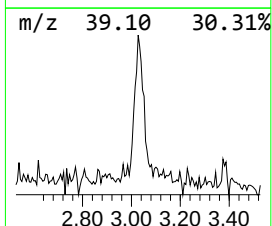
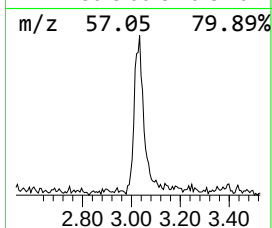
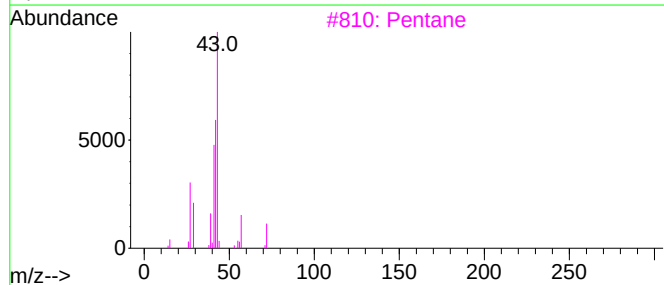
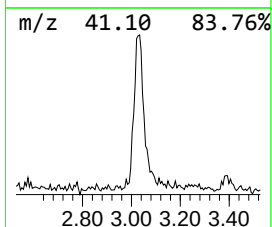
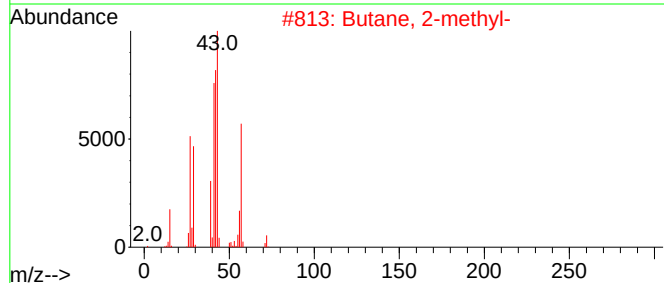
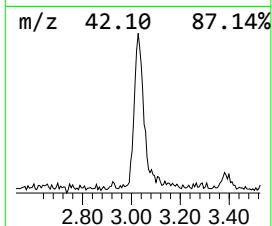
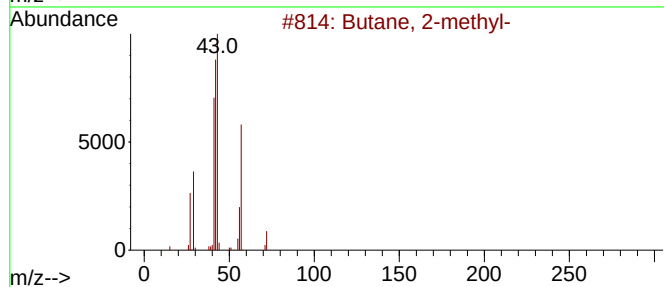
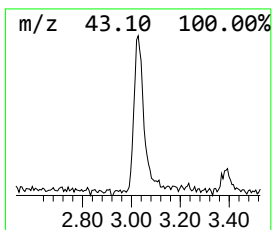
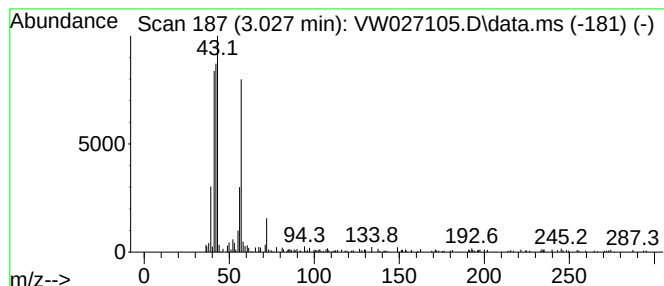
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.027	1.56 ug/L	104041	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-			72	C5H12	000078-78-4	86
2	Butane, 2-methyl-			72	C5H12	000078-78-4	78
3	Pentane			72	C5H12	000109-66-0	50
4	n-Propyl chloride			78	C3H7Cl	000540-54-5	43
5	Oxirane, trimethyl-			86	C5H10O	005076-19-7	43



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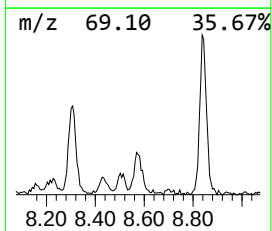
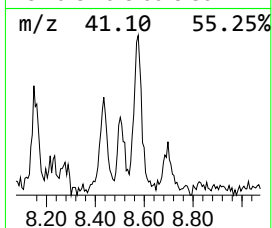
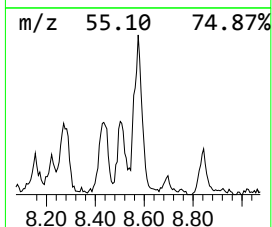
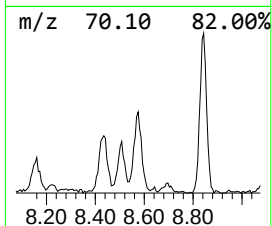
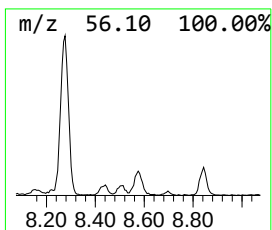
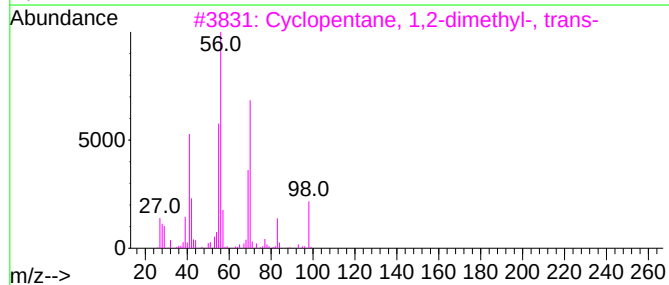
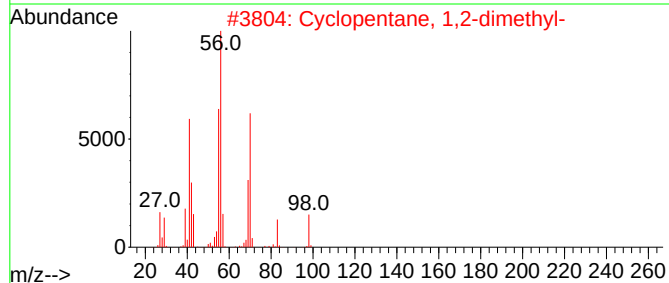
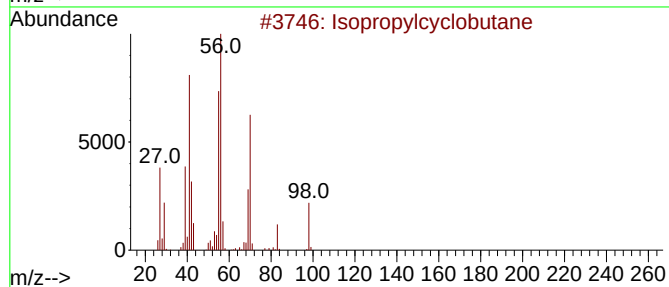
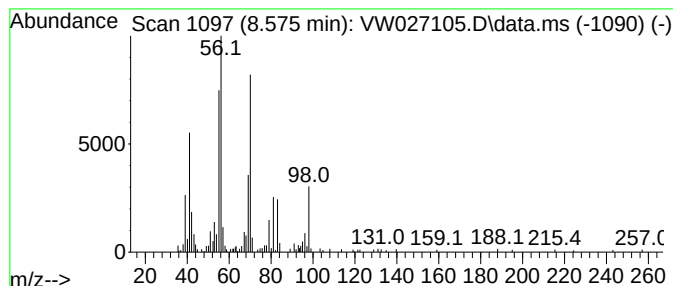
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Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	1.52 ug/L	101256	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Isopropylcyclobutane	98	C7H14	000872-56-0	87
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	86
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72



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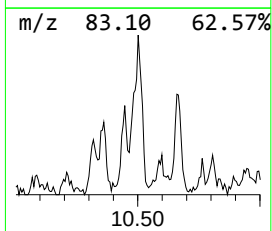
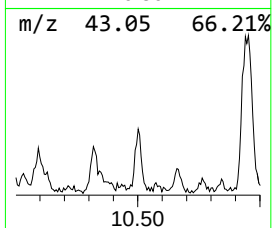
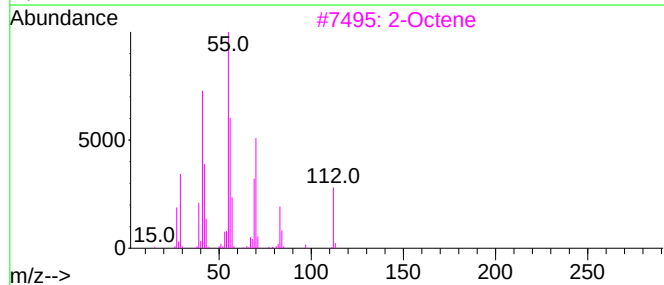
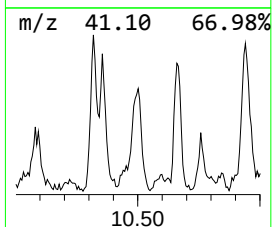
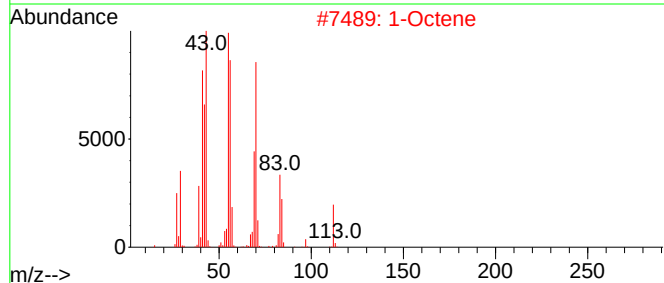
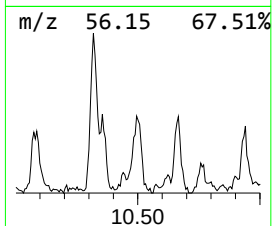
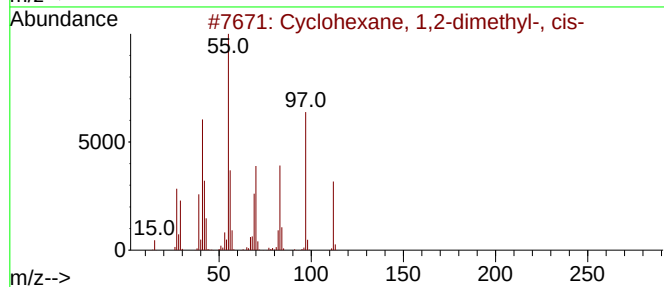
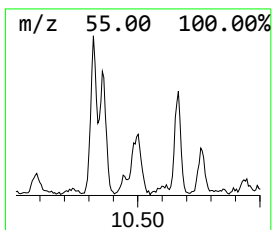
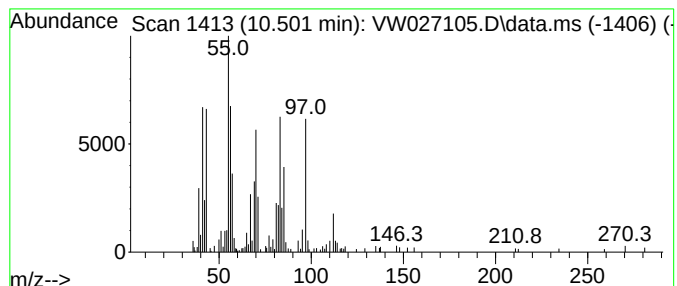
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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic10.502 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	1.69 ug/L	109579	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	52
2		1-Octene	112	C8H16	000111-66-0	43
3		2-Octene	112	C8H16	000111-67-1	38
4		4-Octene, (Z)-	112	C8H16	007642-15-1	38
5		2-Octene	112	C8H16	000111-67-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

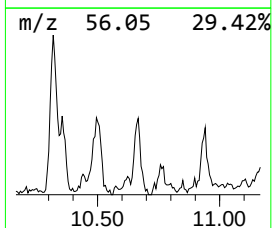
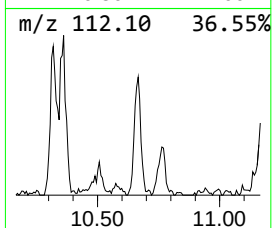
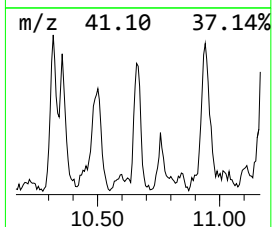
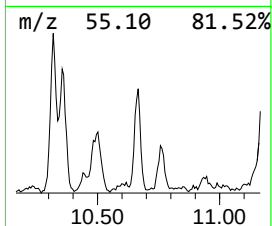
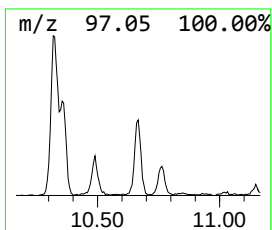
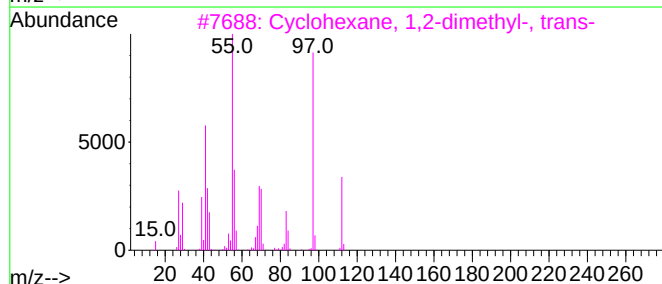
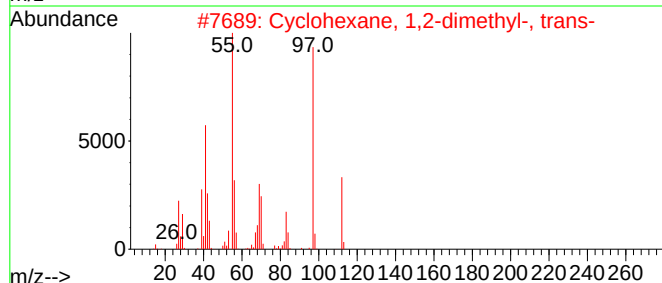
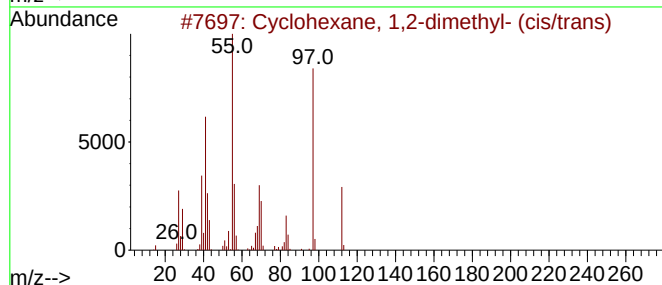
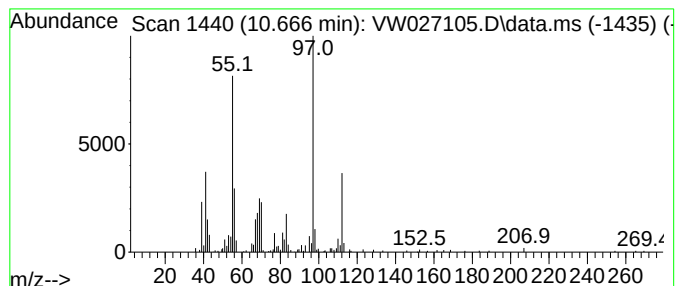
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic10.666 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.84 ug/L	119714	Chlorobenzene-d5	11.629

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

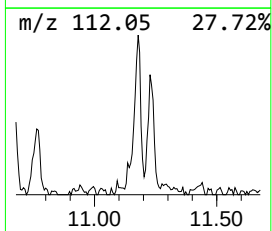
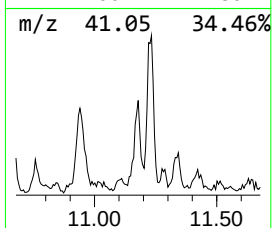
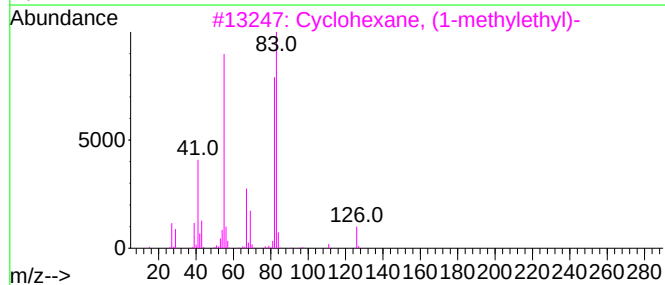
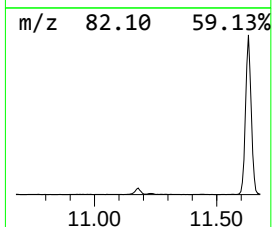
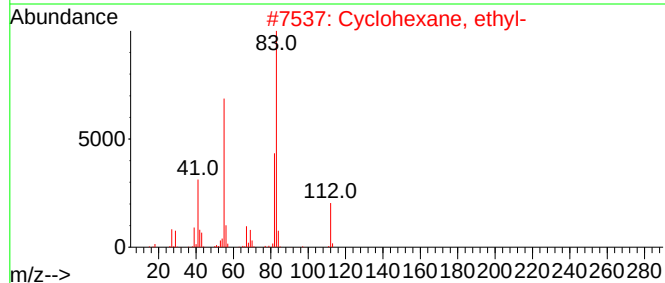
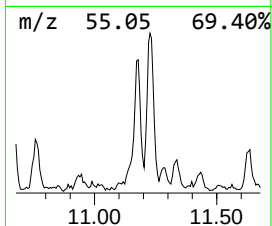
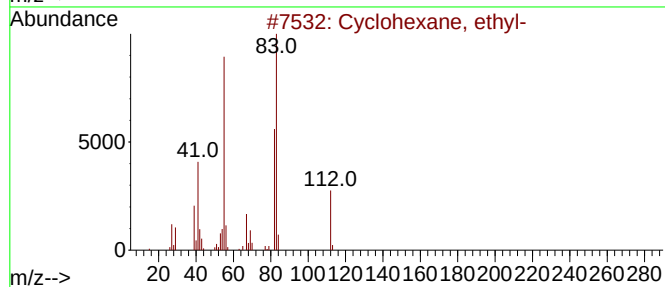
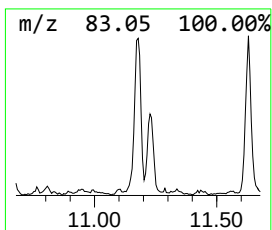
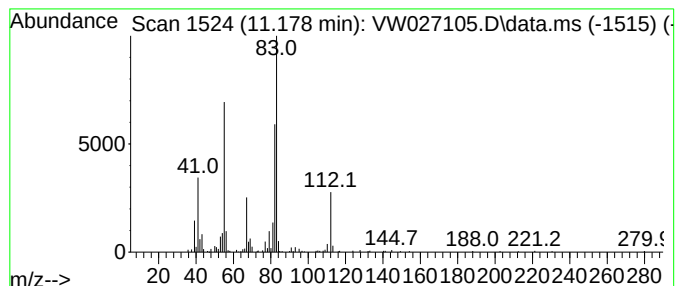
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.178 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	1.79 ug/L	116240	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	74
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

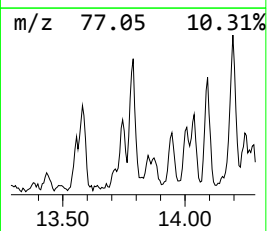
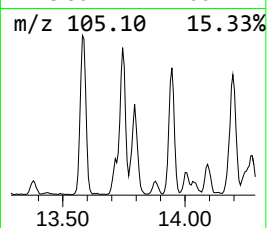
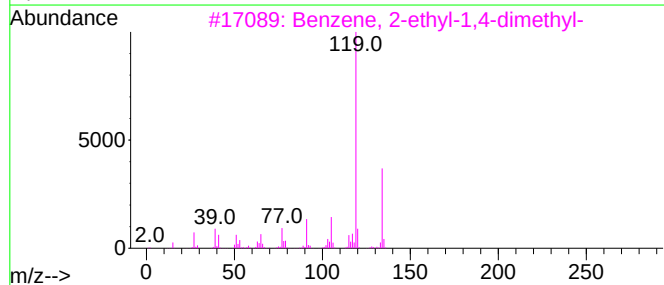
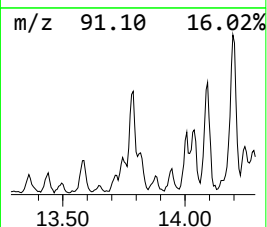
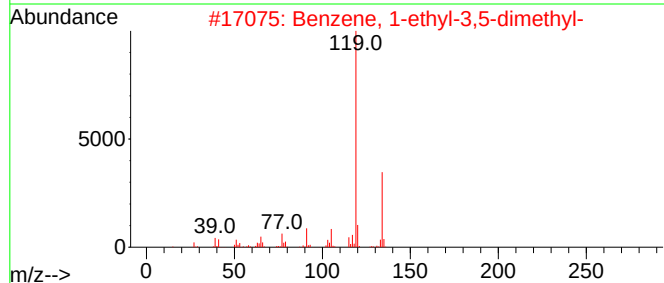
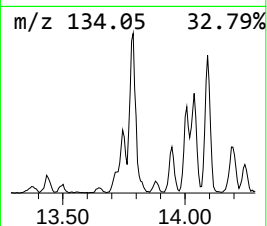
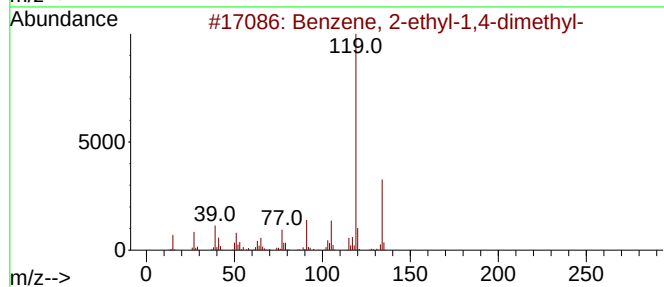
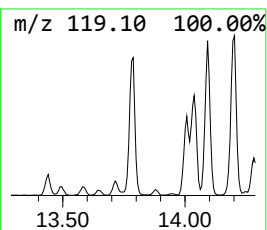
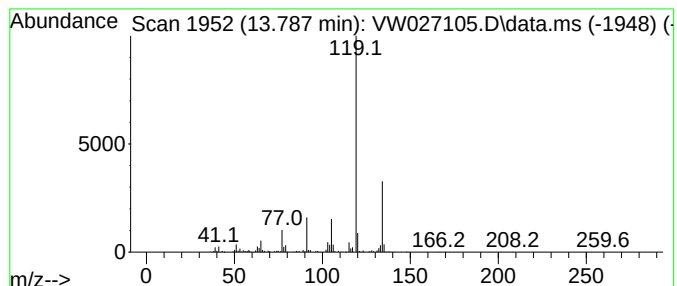
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Quant Title : SFAM01.0

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

Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.788	8.91 ug/L	430167	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

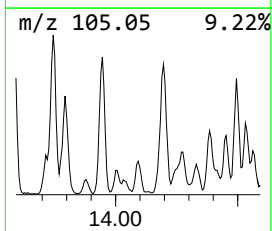
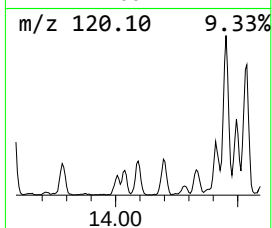
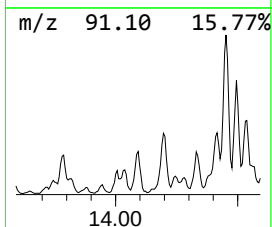
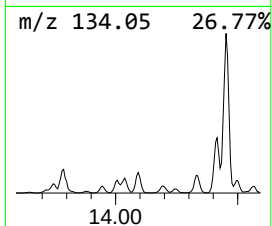
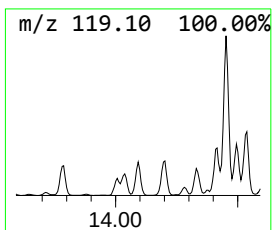
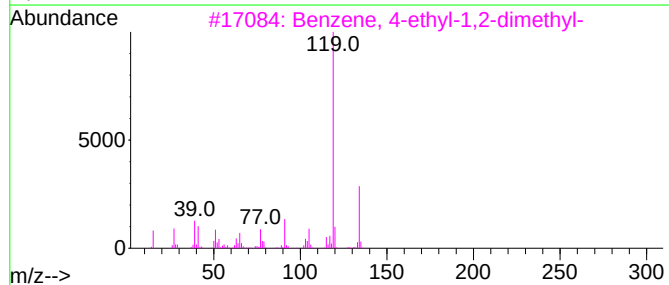
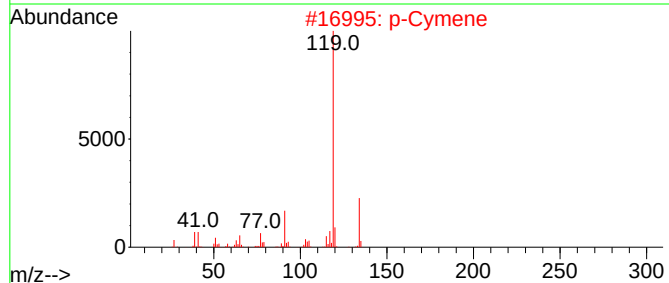
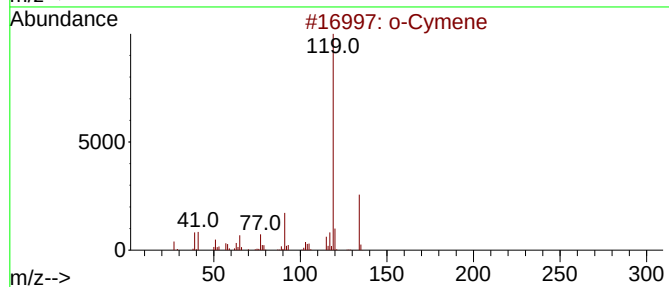
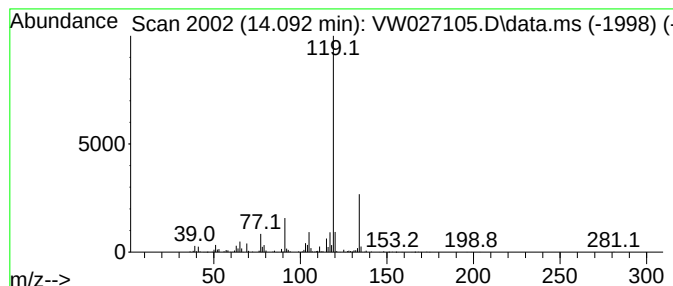
Instrument :
MSVOA_W
ClientSampleId :
EZY4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 o-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.092	10.10 ug/L	487488	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	95
2	p-Cymene		134	C10H14	000099-87-6	95
3	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	94
4	o-Cymene		134	C10H14	000527-84-4	94
5	1,3,5-Cycloheptatriene, 3,7,7-tr...		134	C10H14	003479-89-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

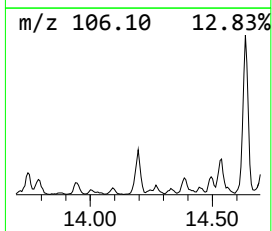
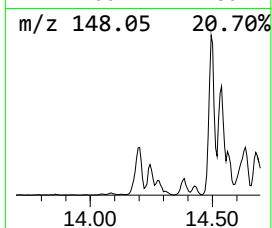
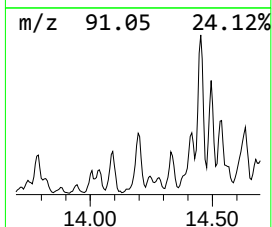
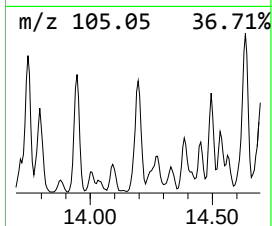
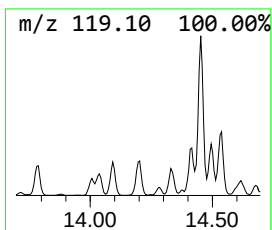
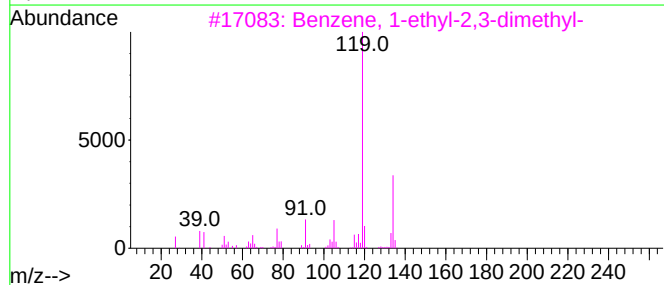
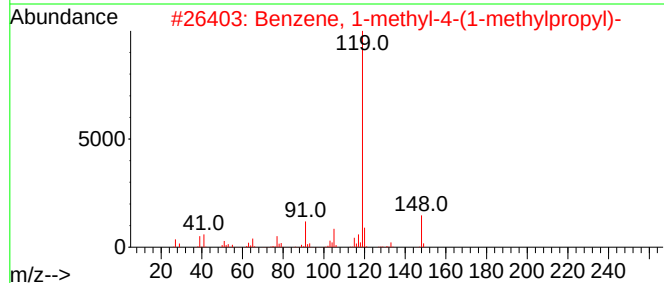
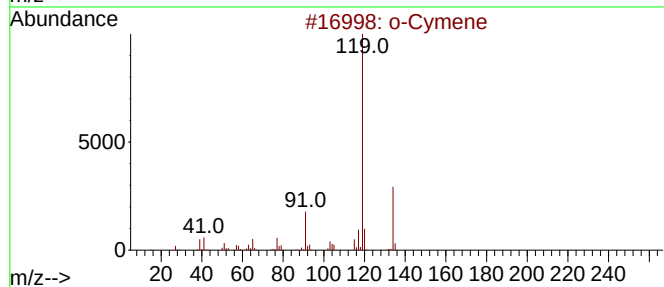
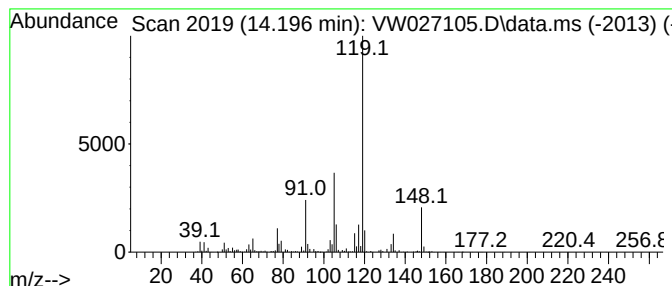
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MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.196	14.27 ug/L	688644	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	91
2	Benzene, 1-methyl-4-(1-methylpro...		148	C11H16	001595-16-0	87
3	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	81
4	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	76
5	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

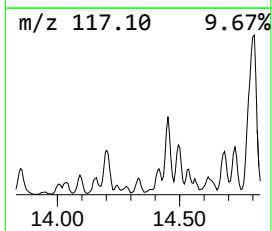
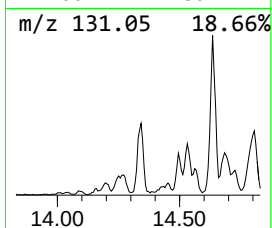
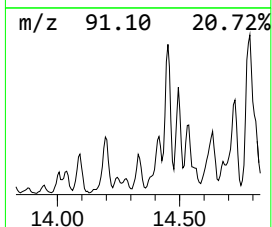
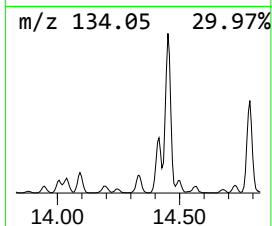
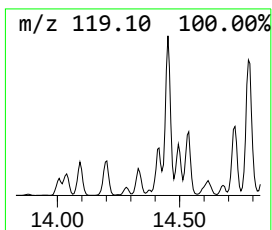
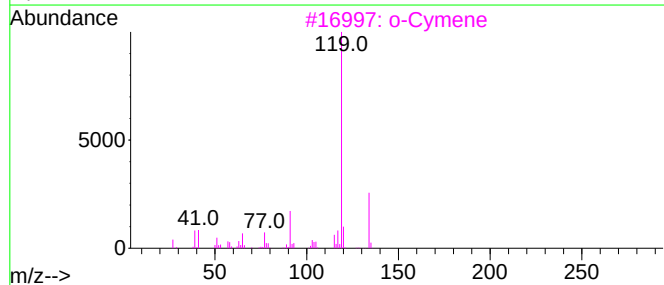
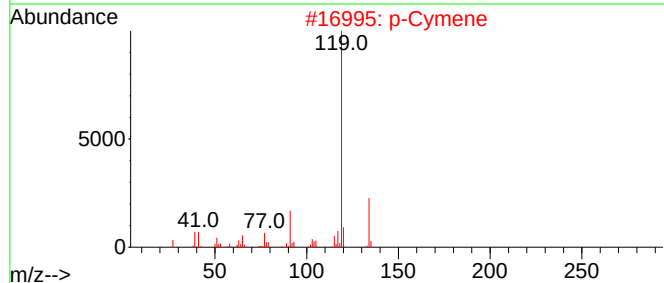
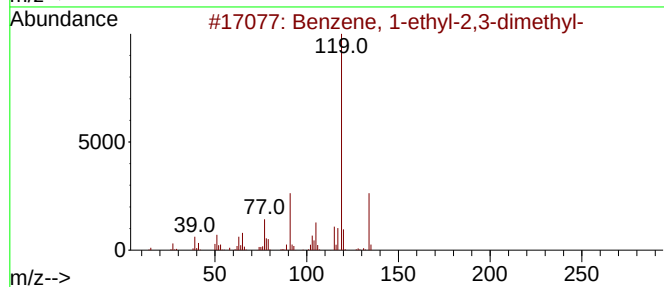
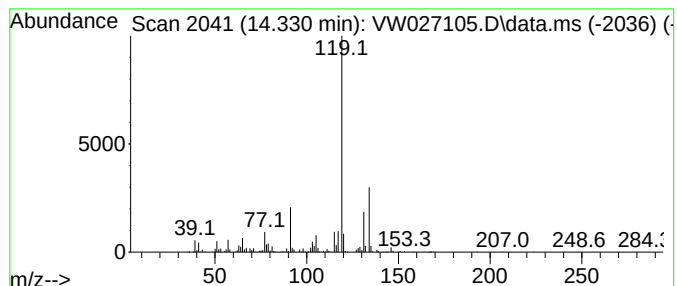
Instrument :
MSVOA_W
ClientSampleId :
EZY4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.330	9.69 ug/L	467933	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	93
2	p-Cymene		134	C10H14	000099-87-6	93
3	o-Cymene		134	C10H14	000527-84-4	93
4	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	93
5	Benzene, 2-ethyl-1,3-dimethyl-		134	C10H14	002870-04-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

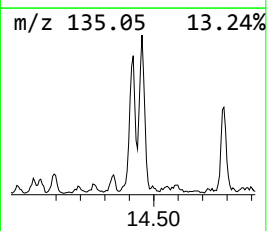
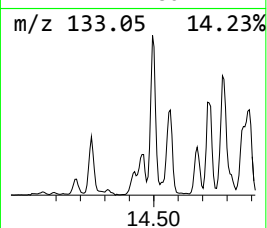
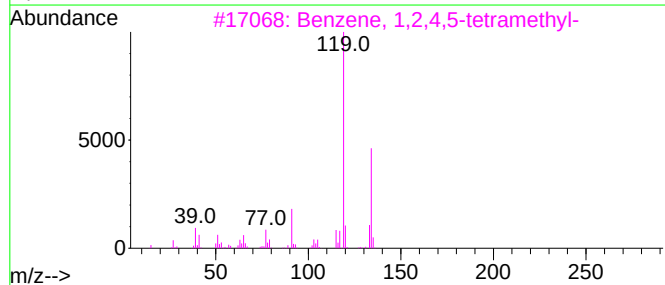
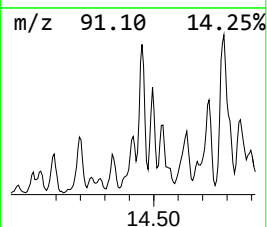
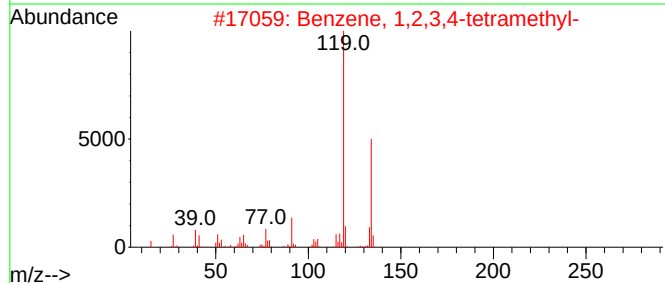
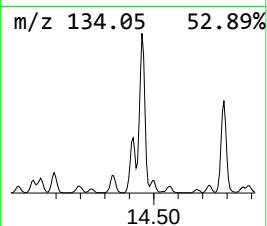
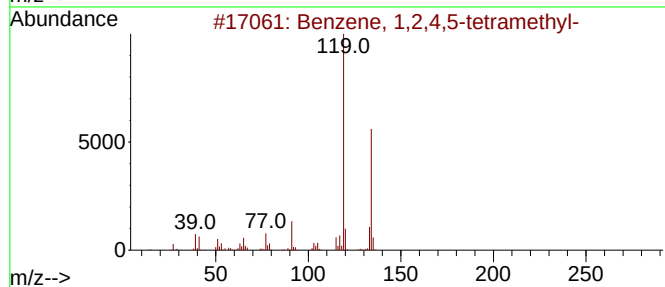
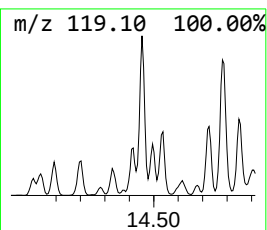
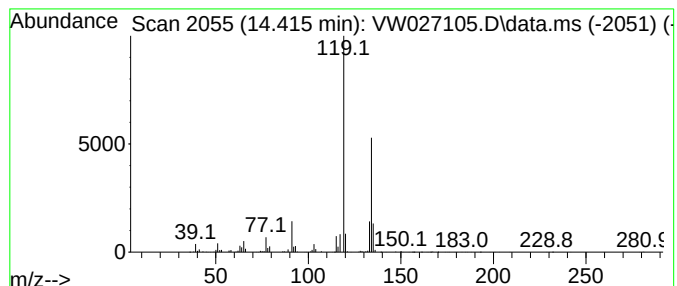
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Quant Title : SFAM01.0

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

Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	13.53 ug/L	652902	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

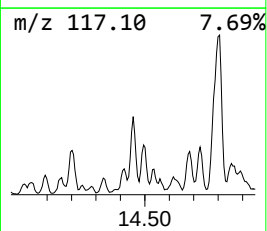
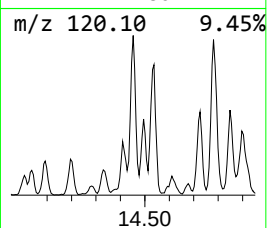
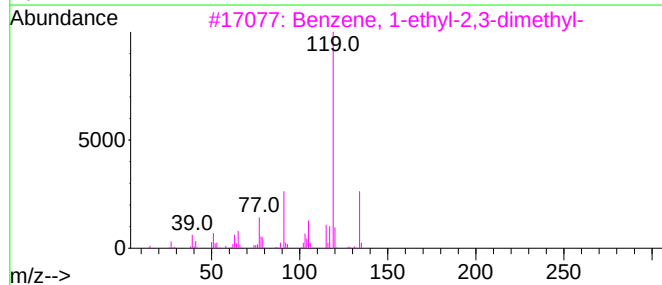
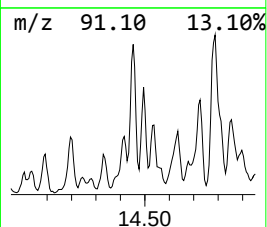
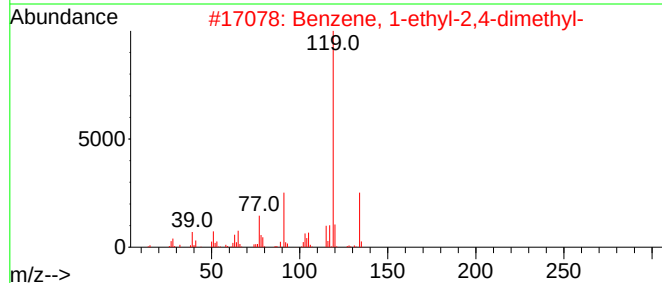
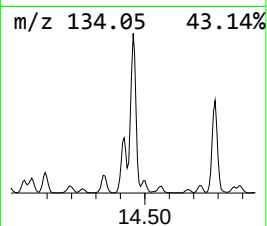
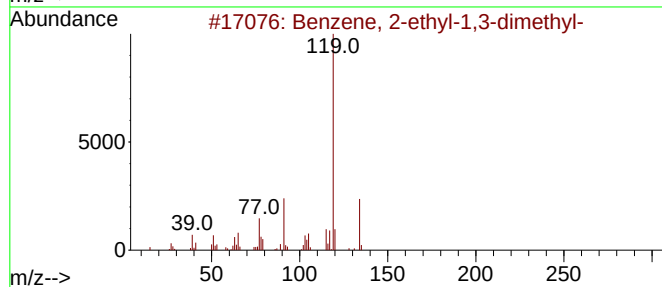
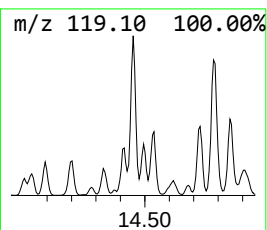
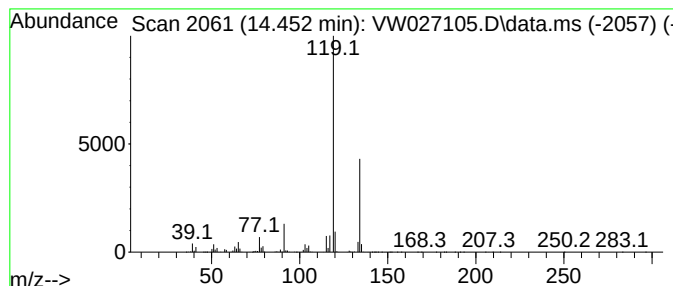
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Quant Title : SFAM01.0

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

Peak Number 23 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	39.12 ug/L	1888620	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

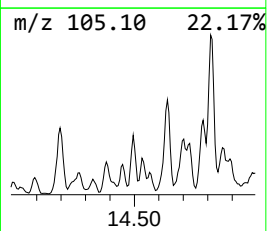
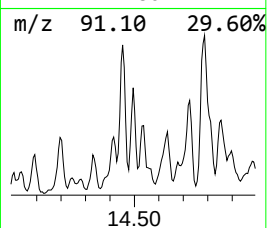
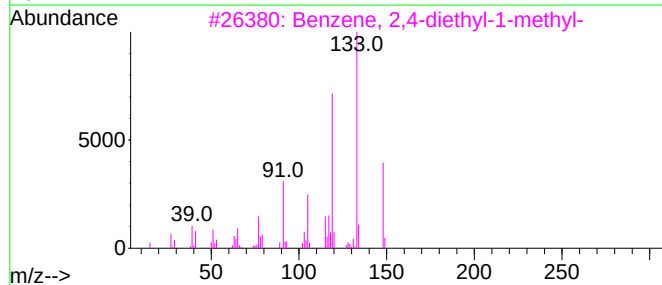
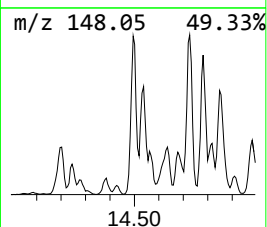
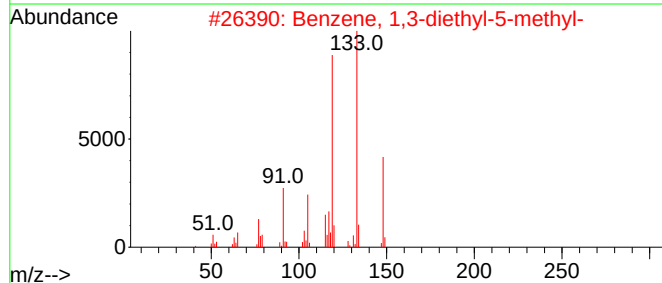
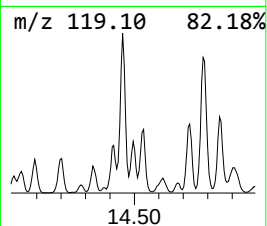
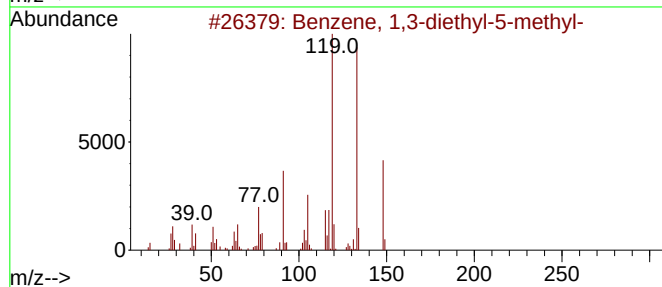
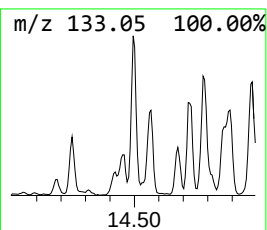
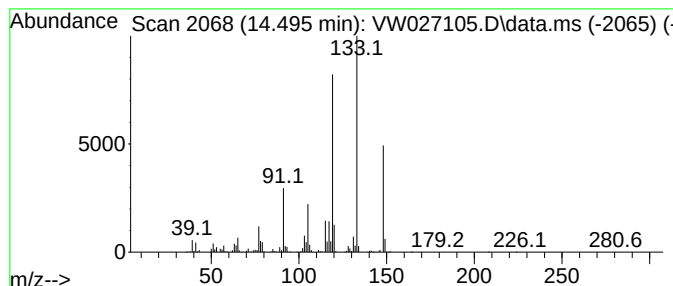
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	19.16 ug/L	925075	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
4			3,4-Dimethylcumene	148	C11H16	1000370-34-1	64
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

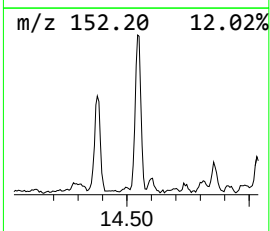
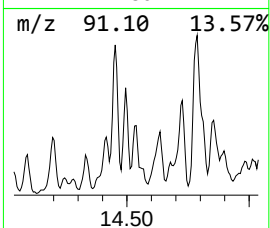
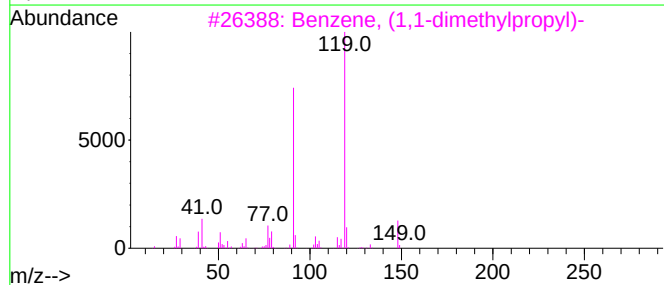
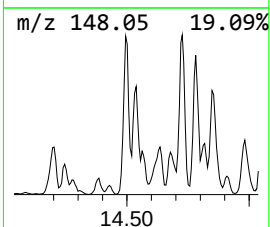
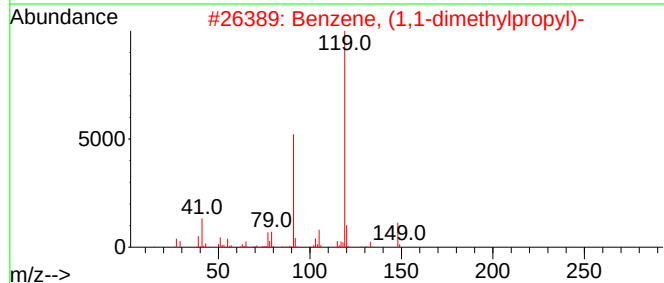
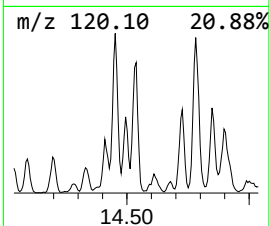
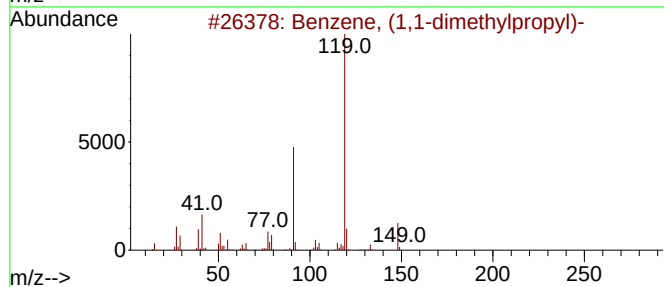
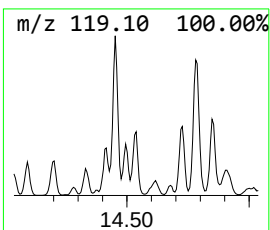
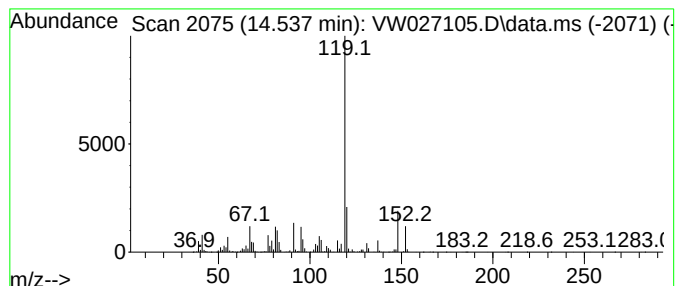
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, (1,1-dimethylpropyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.537	26.69 ug/L	1288410	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	52
5			Chrysanthemumic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

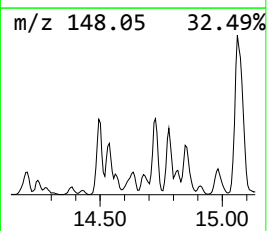
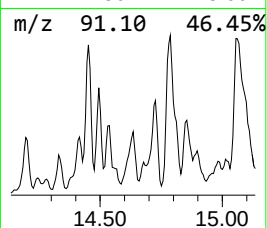
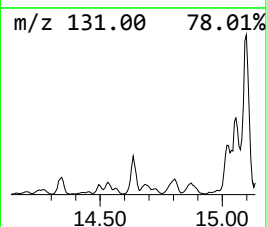
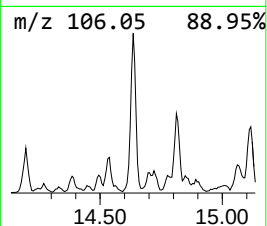
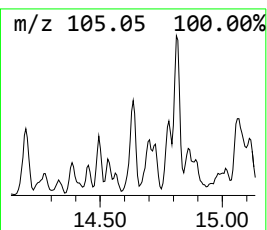
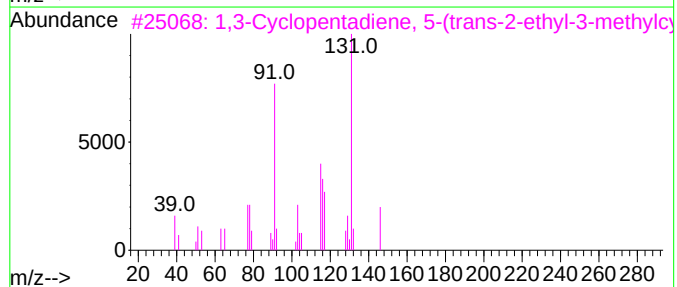
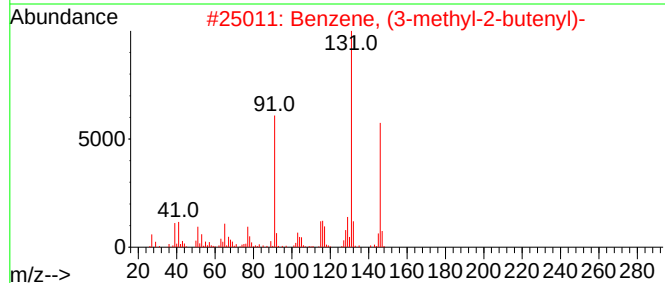
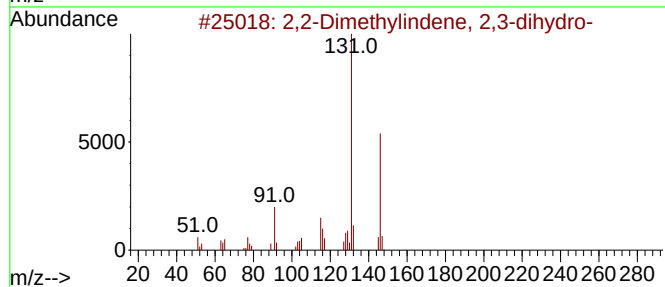
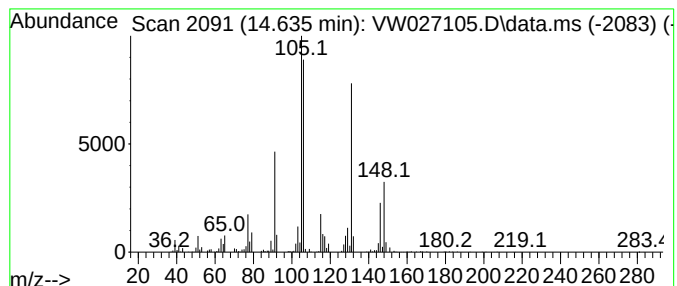
Instrument :
MSVOA_W
ClientSampleId :
EZYN4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 2,2-Dimethylindene, 2,3-dih... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.635	12.25 ug/L	591132	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-		146	C11H14	020836-11-7	87
2	Benzene, (3-methyl-2-butenyl)-		146	C11H14	004489-84-3	87
3	1,3-Cyclopentadiene, 5-(trans-2-...		146	C11H14	079209-36-2	64
4	Benzene, (1-methyl-1-butenyl)-		146	C11H14	053172-84-2	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...		146	C11H14	004175-53-5	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

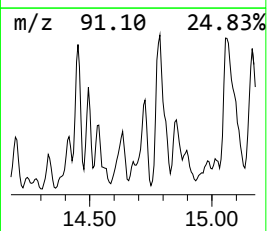
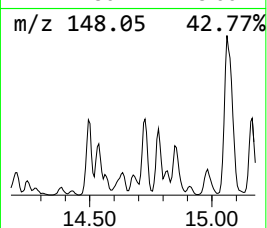
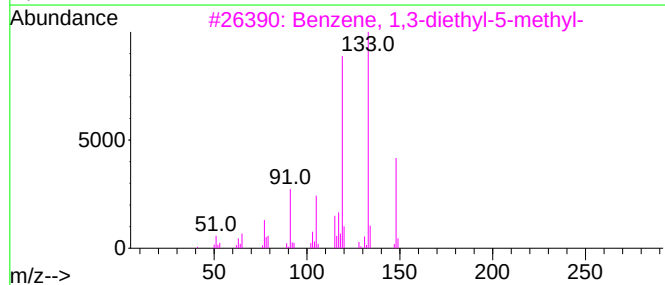
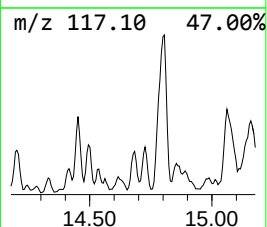
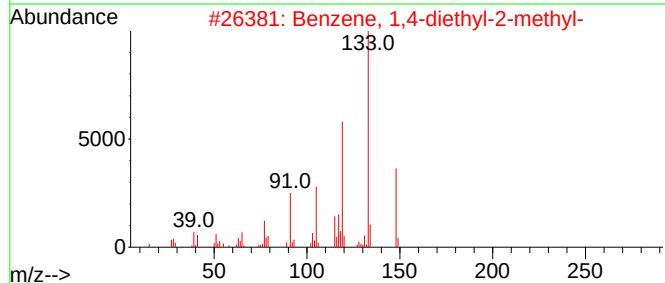
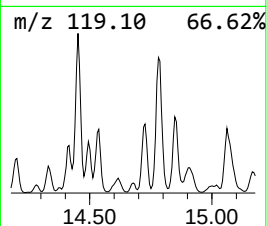
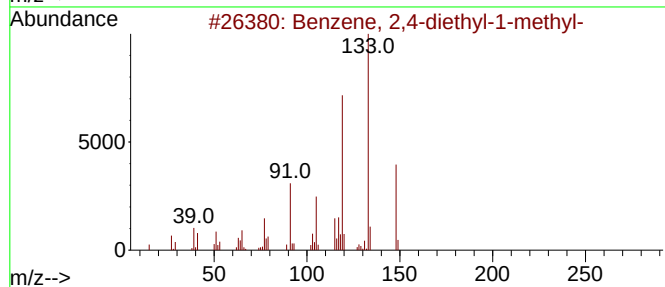
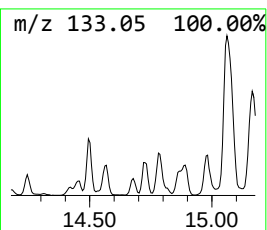
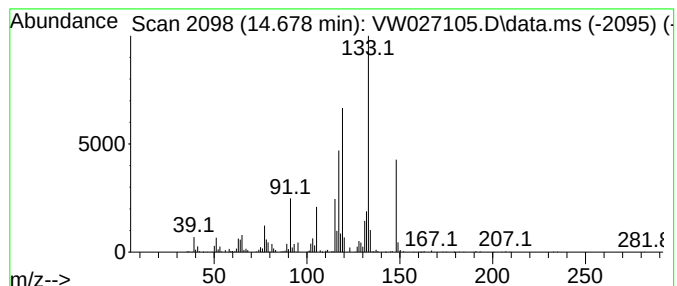
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Quant Title : SFAM01.0

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

Peak Number 27 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	6.81 ug/L	328938	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
2			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	76
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	76
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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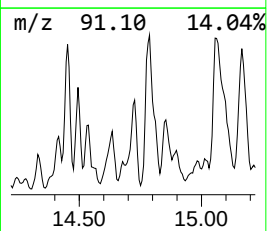
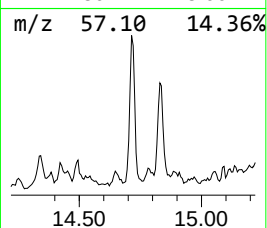
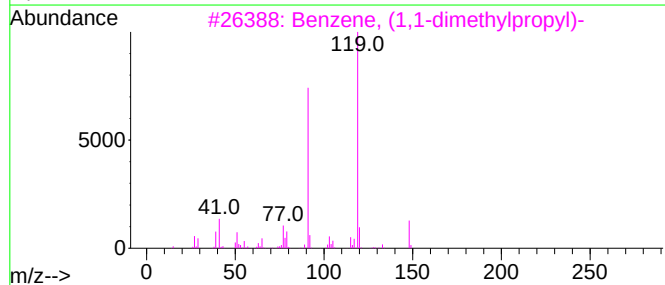
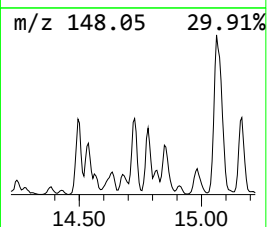
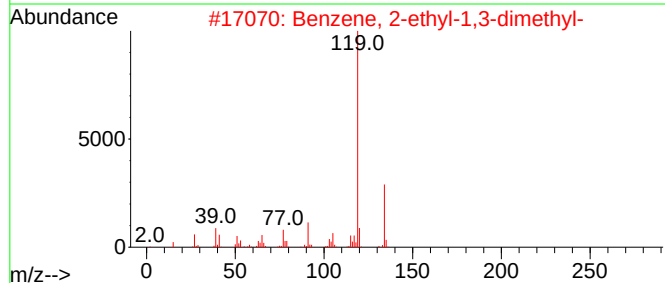
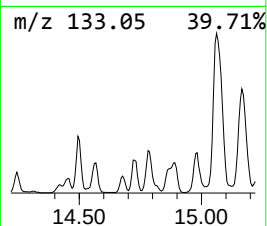
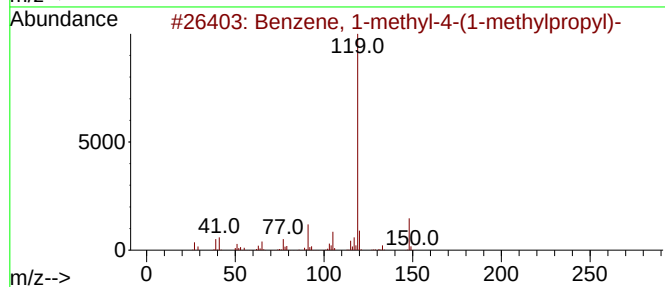
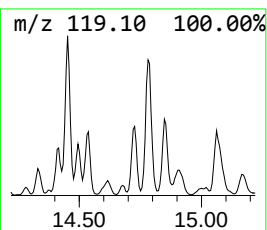
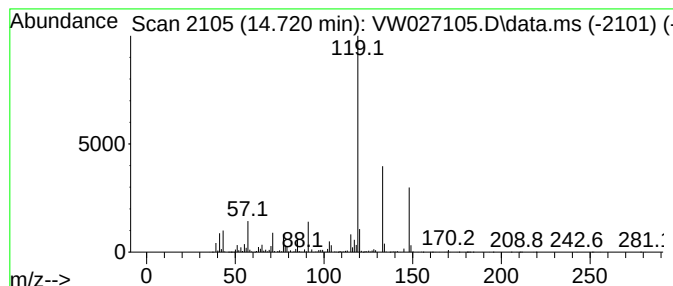
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Quant Title : SFAM01.0

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

Peak Number 28 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	28.66 ug/L	1383360	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	70
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

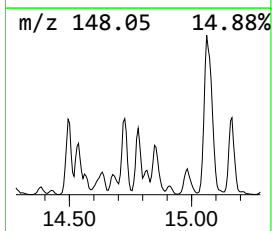
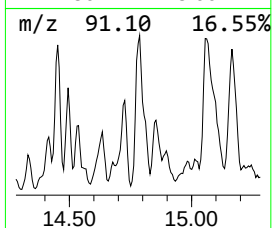
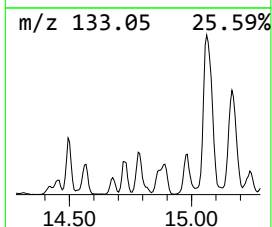
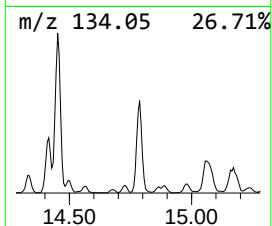
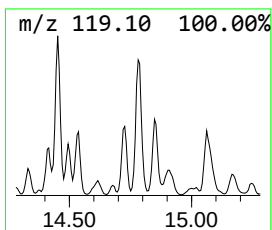
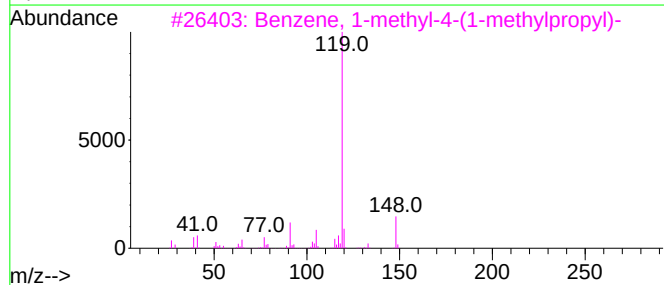
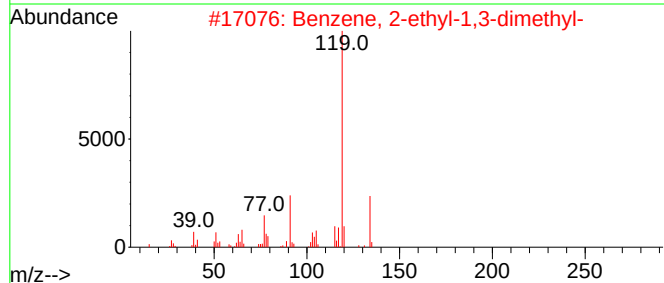
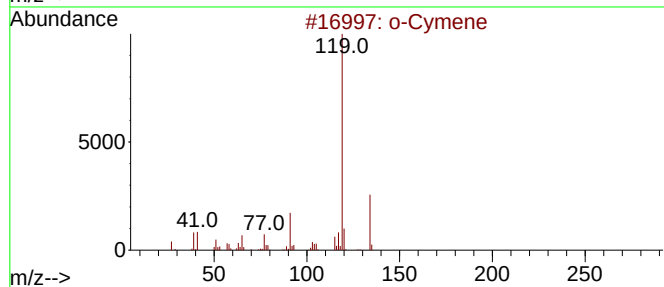
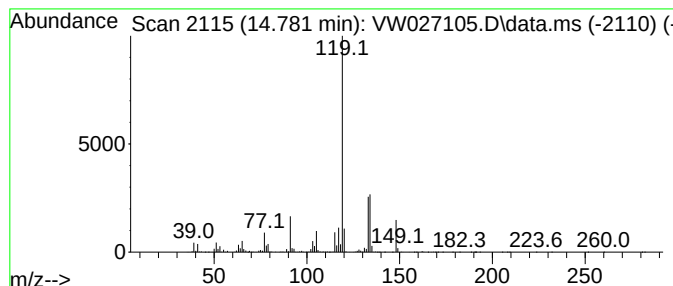
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Quant Title : SFAM01.0

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

Peak Number 29 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.781	65.00 ug/L	3137810	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	94
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	93
4			o-Cymene	134	C10H14	000527-84-4	93
5			p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

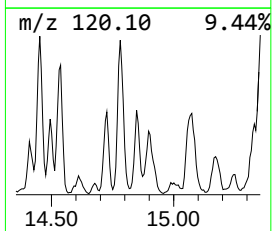
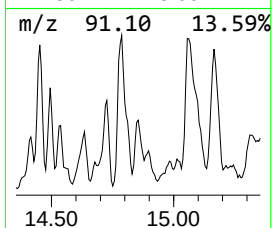
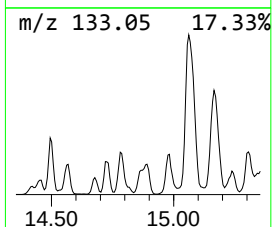
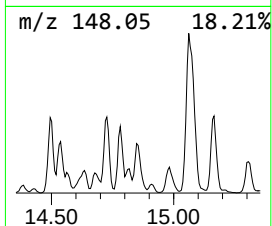
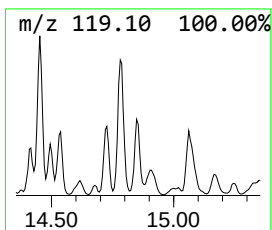
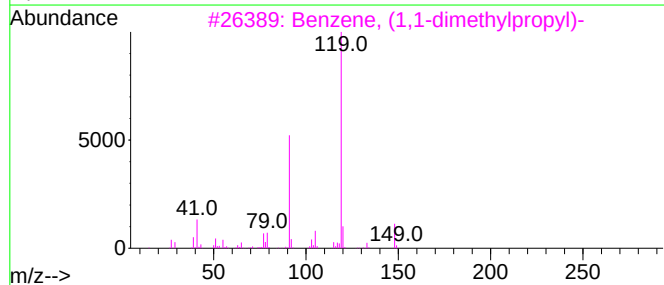
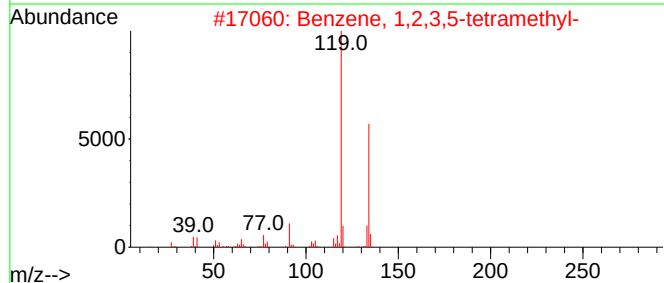
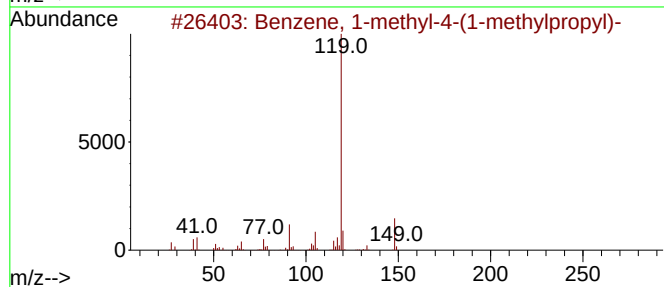
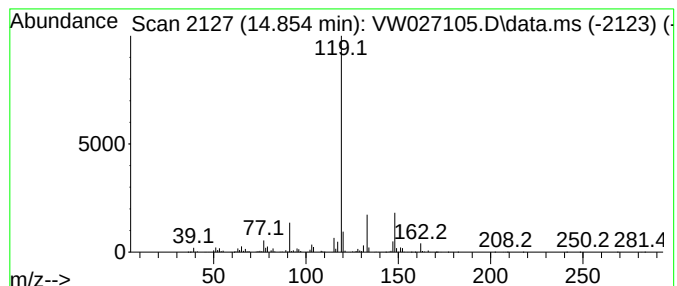
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Quant Title : SFAM01.0

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

Peak Number 30 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.854	14.50 ug/L	699997	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	80
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	72
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

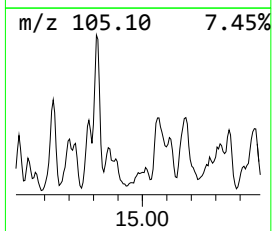
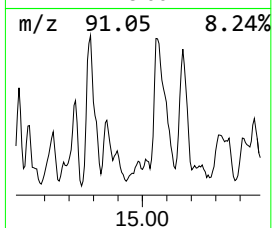
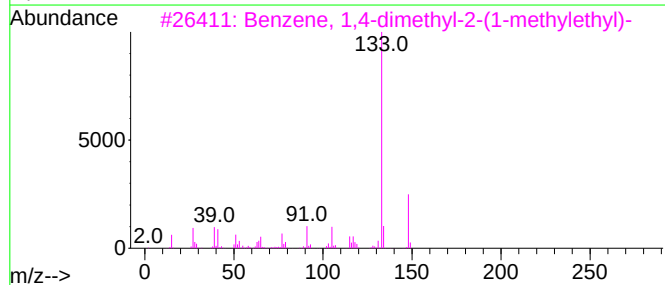
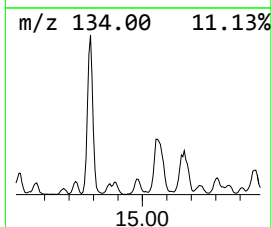
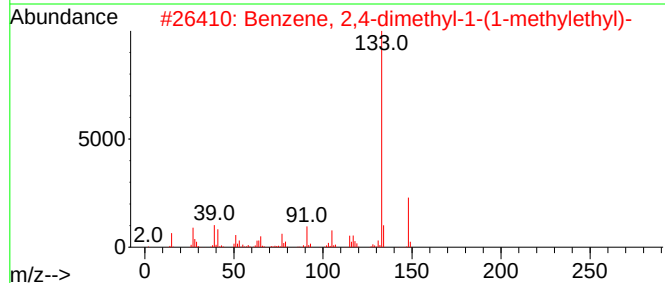
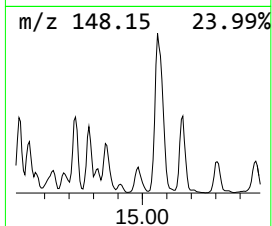
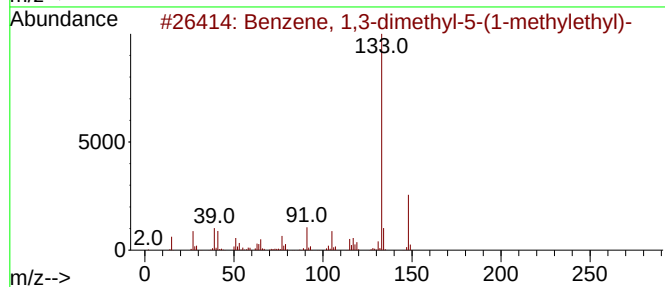
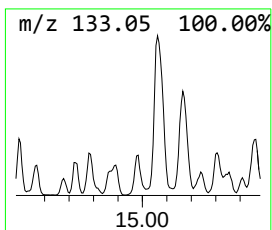
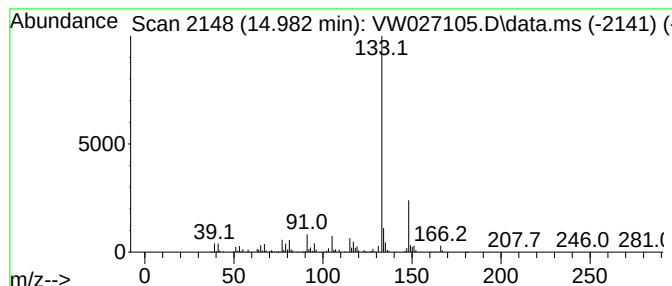
Instrument :
MSVOA_W
ClientSampleId :
EZYN4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.982	13.38 ug/L	645699	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...		148	C11H16	004706-90-5	95
2	Benzene, 2,4-dimethyl-1-(1-methy...		148	C11H16	004706-89-2	94
3	Benzene, 1,4-dimethyl-2-(1-methy...		148	C11H16	004132-72-3	91
4	Benzene, 1-ethyl-3-(1-methylethyl)-		148	C11H16	004920-99-4	83
5	Benzene, 1-(1,1-dimethylethyl)-3...		148	C11H16	001075-38-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

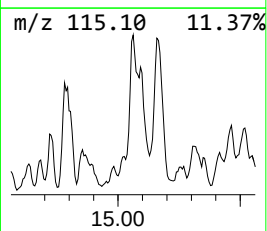
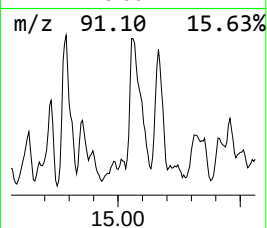
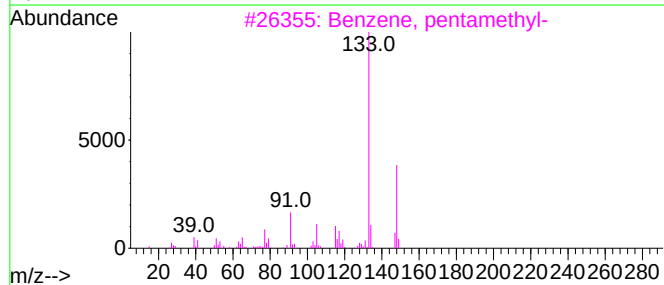
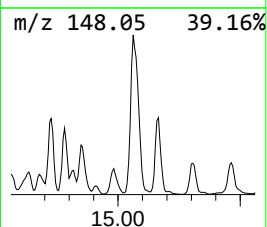
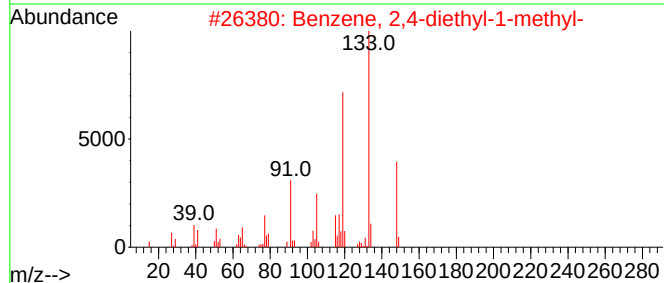
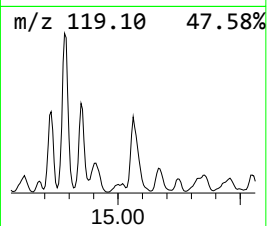
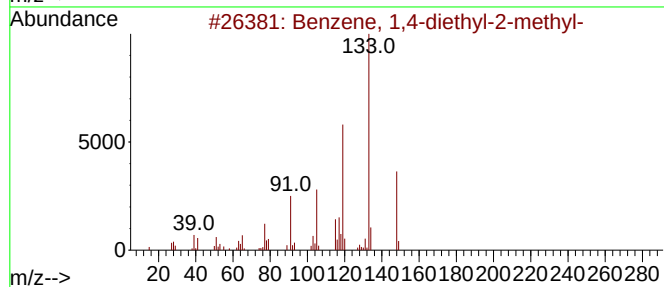
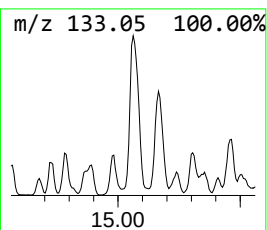
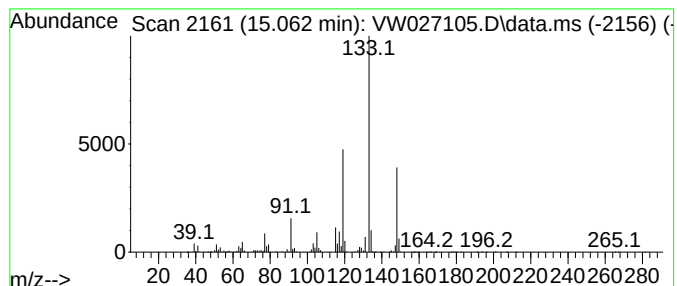
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.062	105.71 ug/L	5103000	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	89
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83
5			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

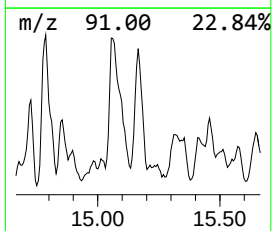
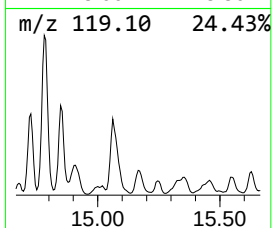
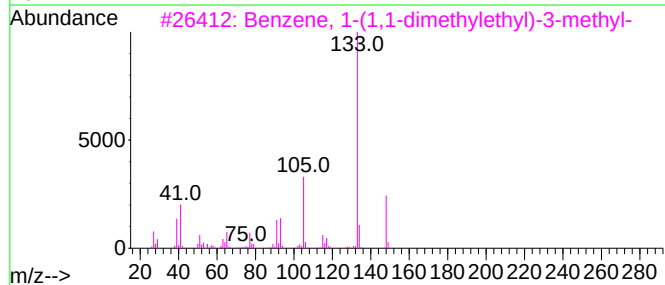
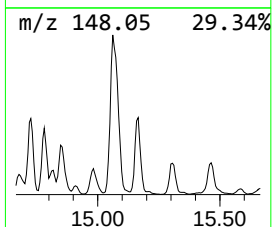
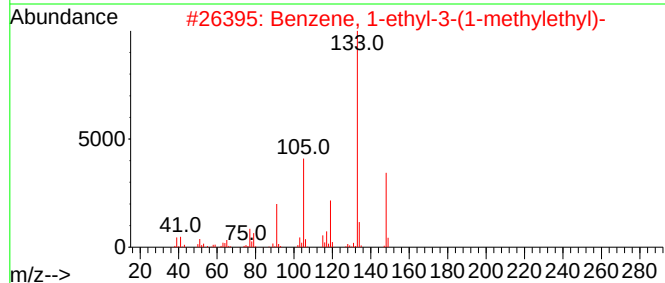
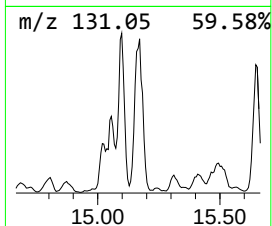
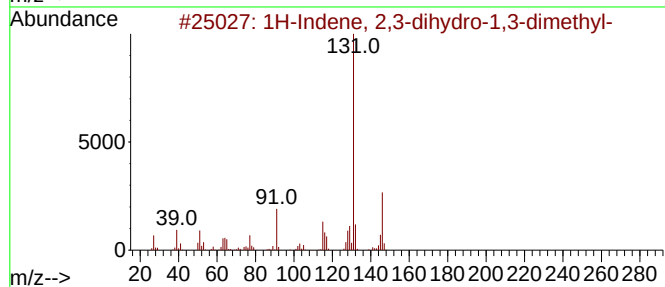
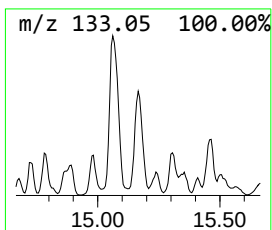
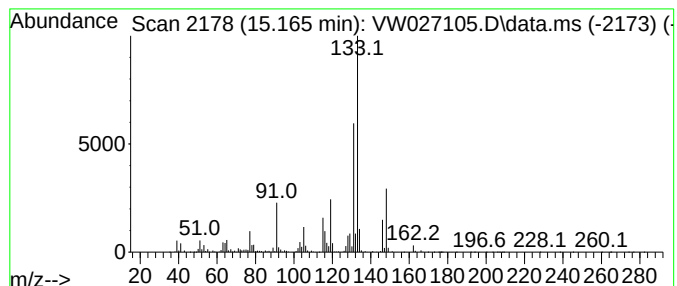
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Quant Title : SFAM01.0

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

Peak Number 33 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	58.30 ug/L	2814410	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74
2			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
3			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46
4			m-Ethylacetophenone	148	C10H12O	022699-70-3	43
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

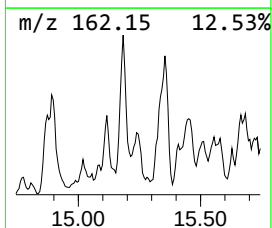
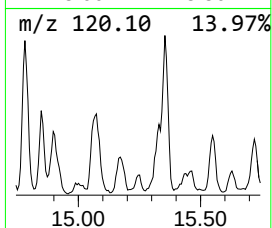
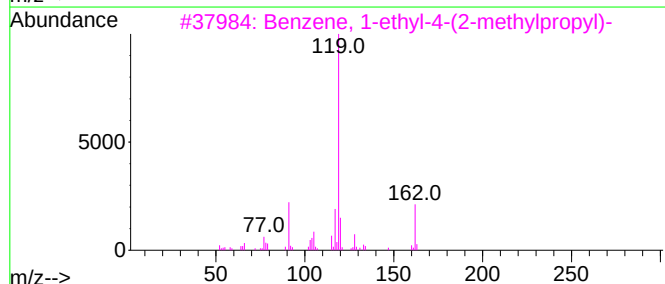
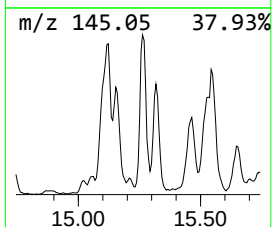
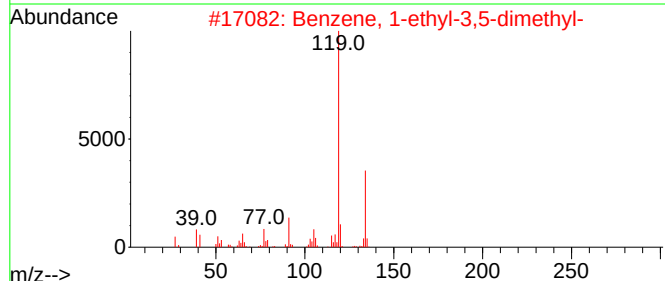
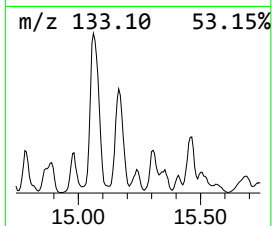
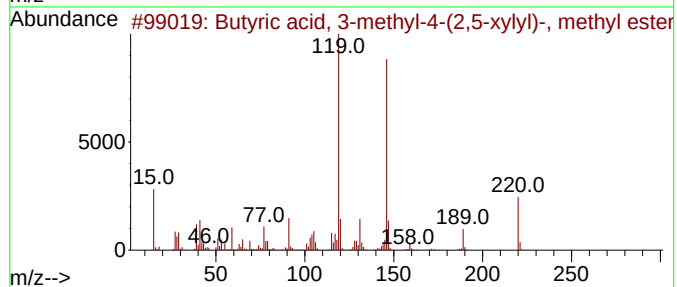
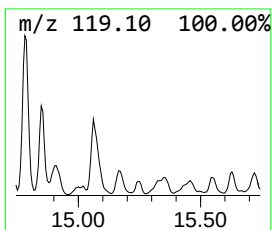
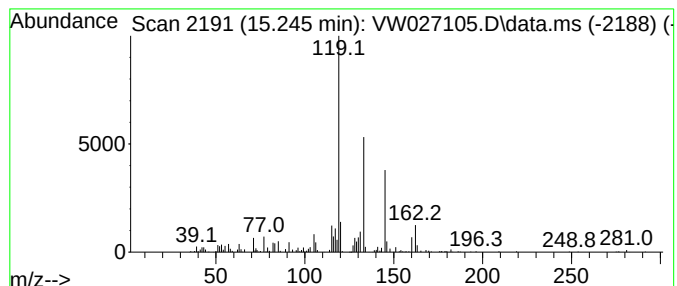
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Quant Title : SFAM01.0

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

Peak Number 34 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	8.79 ug/L	424395	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyric acid, 3-methyl-4-(2,5-xy...	220	C14H20O2	030316-20-2	43
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38
3			Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	37
4			2,5-Pyrrolidinedione, 1-[(4-meth...	233	C12H11NO4	083039-57-0	35
5			Ethyl {[2-(4-methylphenyl)-2-oxo...	249	C13H15NO4	033115-83-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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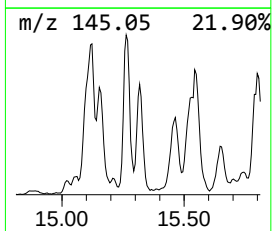
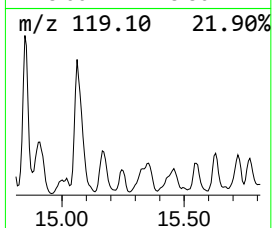
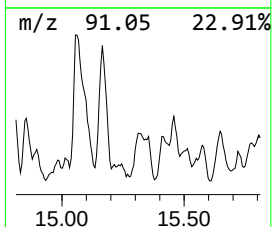
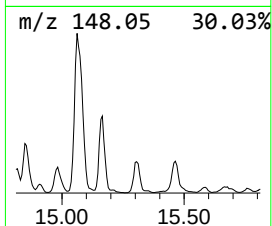
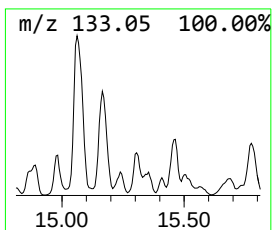
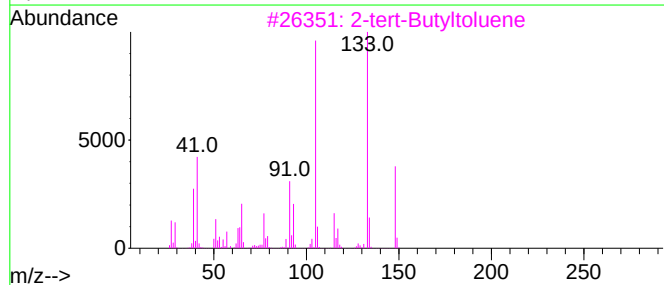
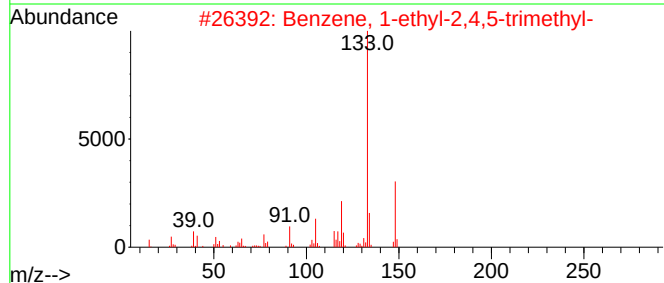
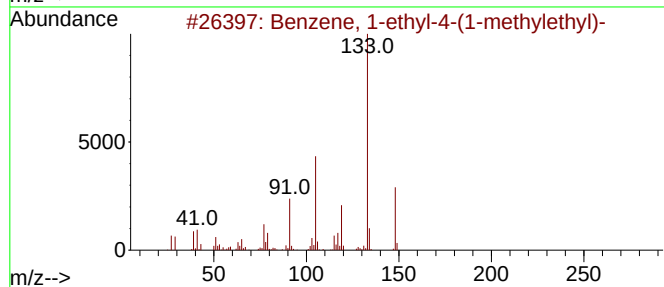
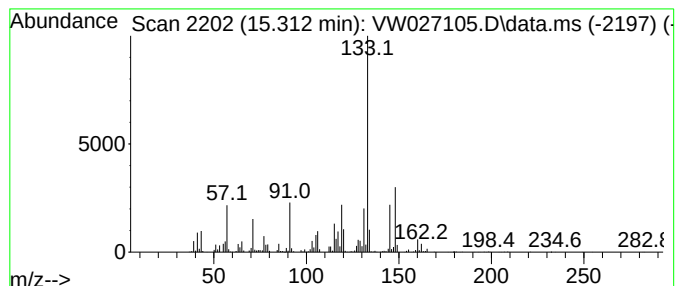
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.312	18.91 ug/L	912755	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
2			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	62
3			2-tert-Butyltoluene	148	C11H16	001074-92-6	60
4			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

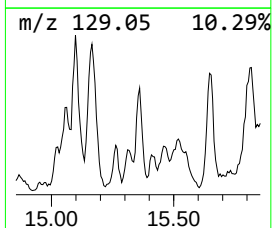
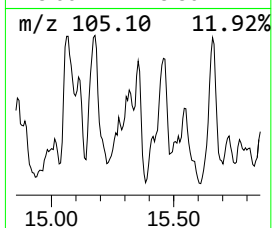
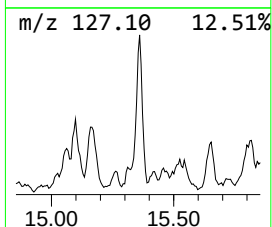
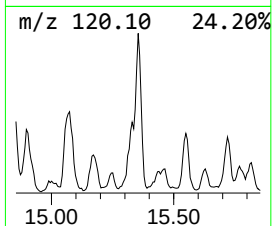
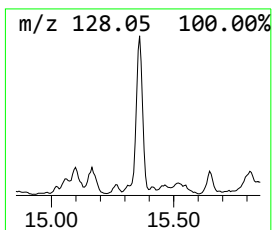
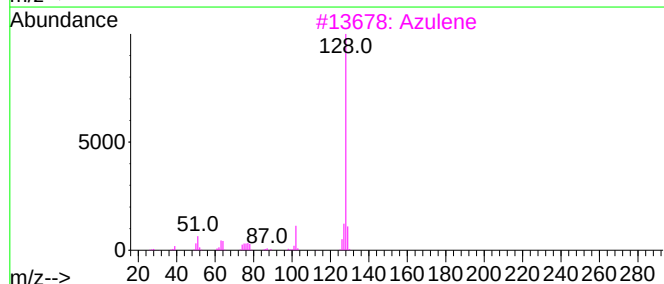
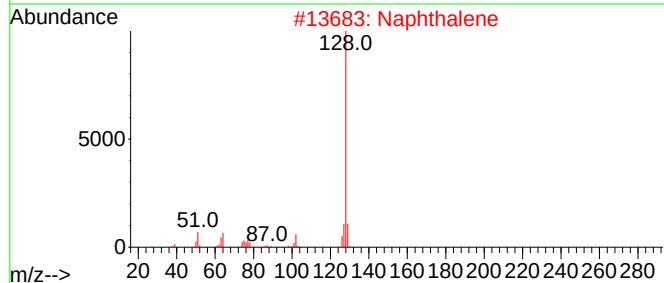
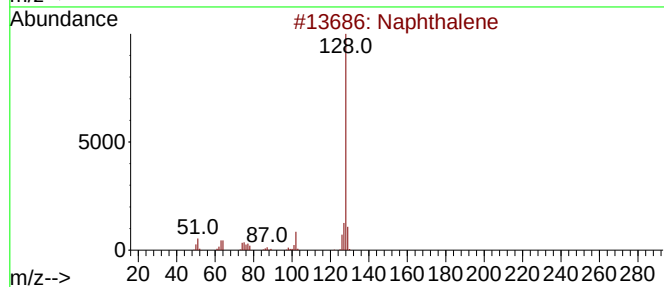
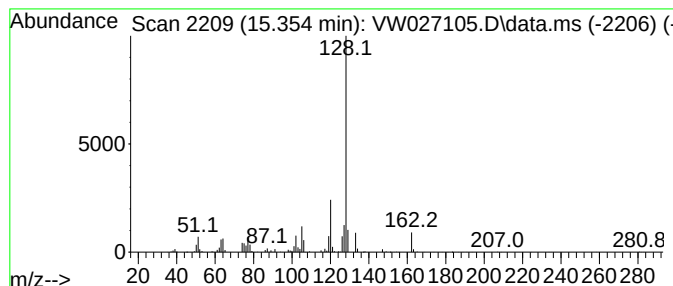
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Quant Title : SFAM01.0

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

Peak Number 36 Azulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.354	19.08 ug/L	920881	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	92
2			Naphthalene	128	C10H8	000091-20-3	91
3			Azulene	128	C10H8	000275-51-4	64
4			Naphthalene	128	C10H8	000091-20-3	64
5			Azulene	128	C10H8	000275-51-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

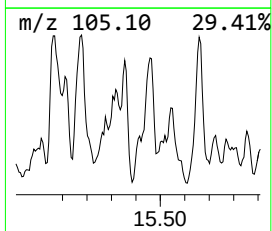
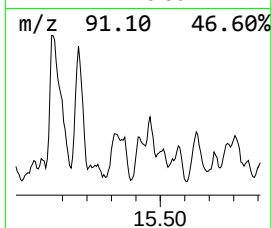
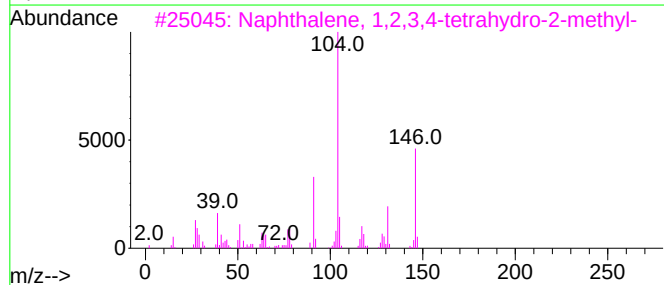
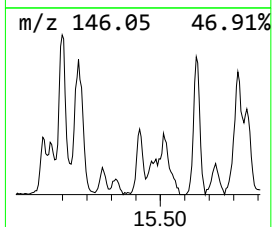
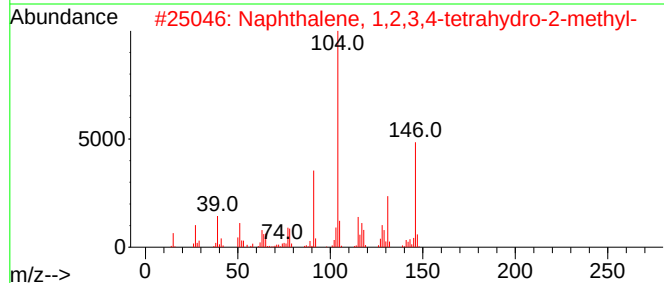
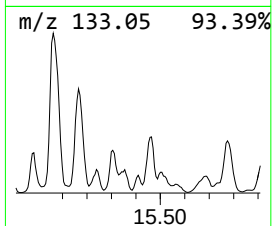
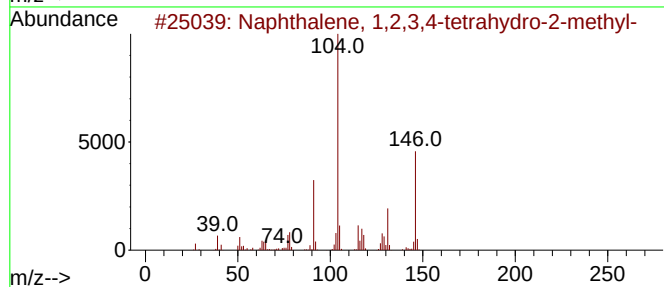
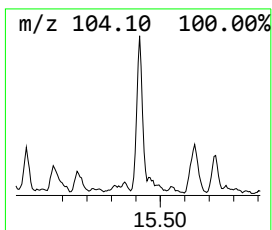
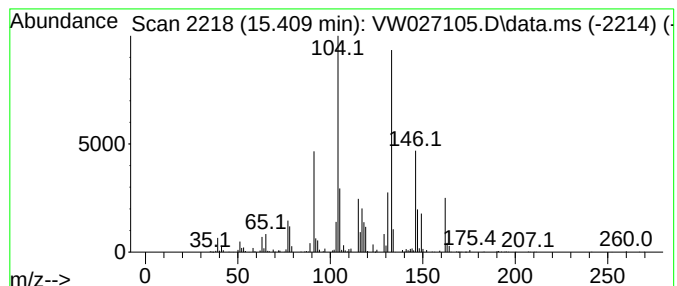
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	9.59 ug/L	462893	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	45
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	45
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	43
4			1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	43
5			Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

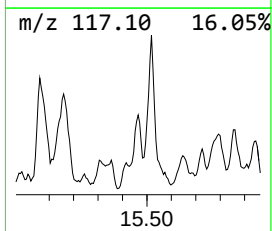
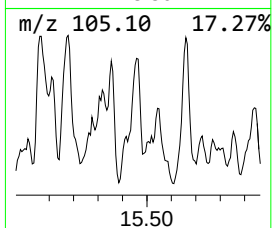
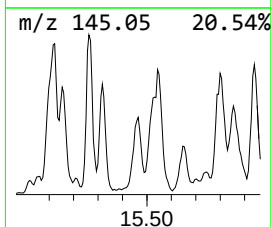
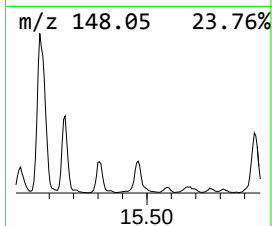
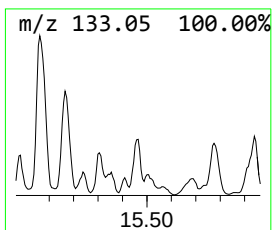
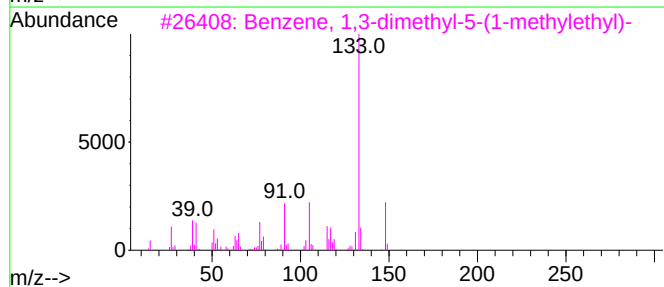
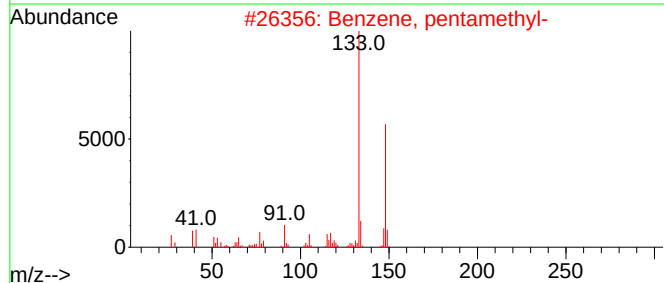
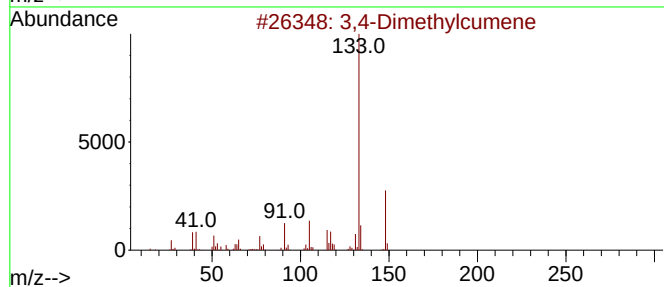
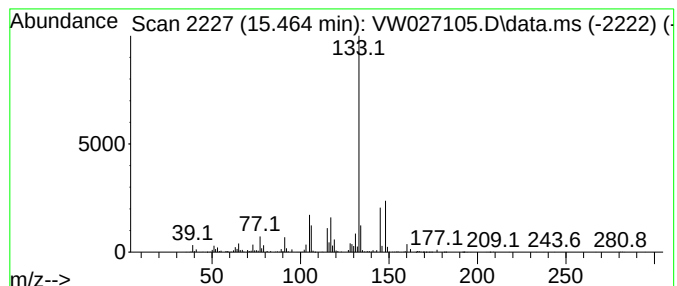
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Quant Title : SFAM01.0

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

Peak Number 38 3,4-Dimethylcumene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.464	13.20 ug/L	637110	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethylcumene	148	C11H16	1000370-34-1	76
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	70
3			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70
4			4-tert-Butyltoluene	148	C11H16	000098-51-1	64
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

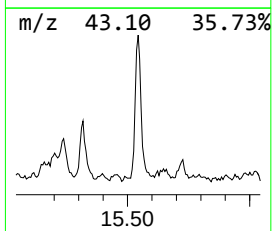
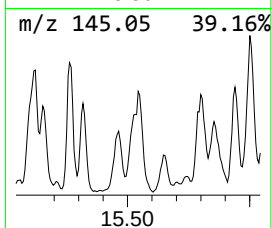
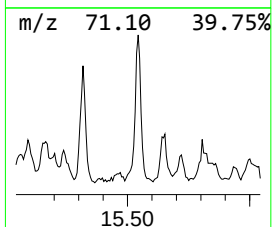
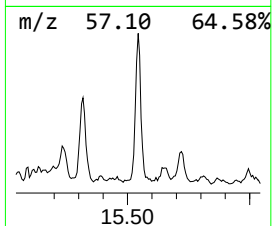
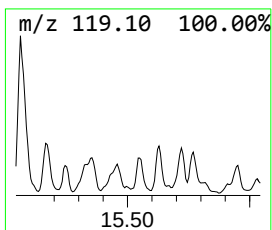
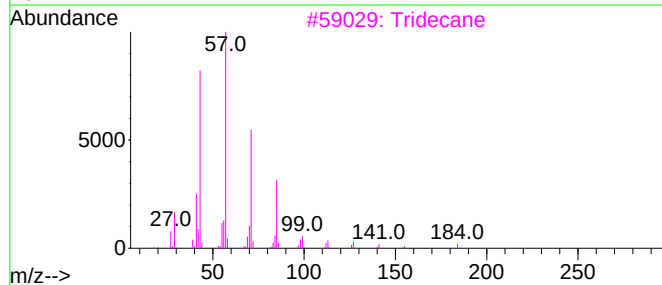
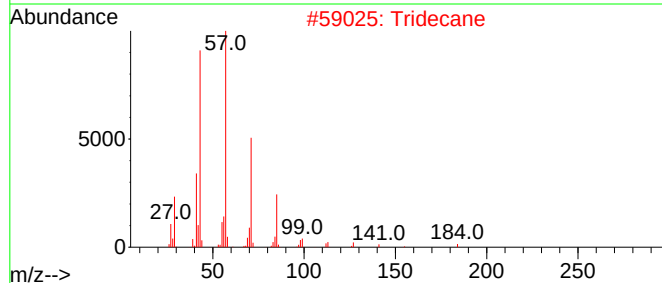
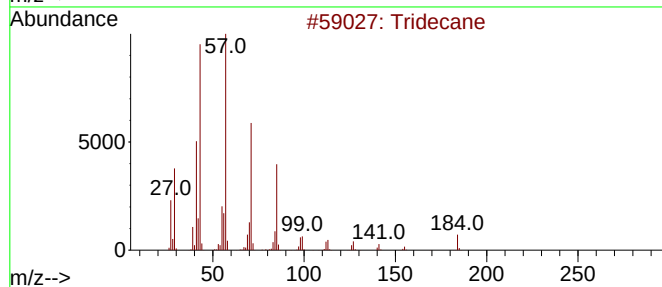
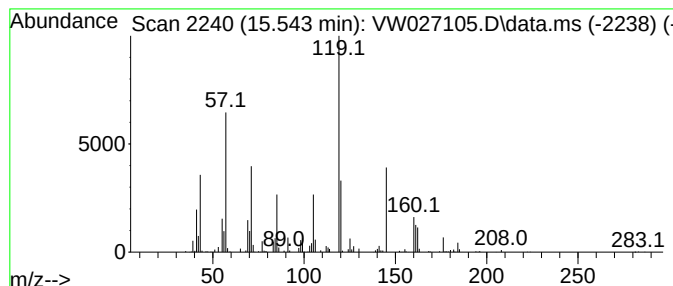
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	22.51 ug/L	1086670	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	42
2		Tridecane	184	C13H28	000629-50-5	25
3		Tridecane	184	C13H28	000629-50-5	25
4		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	15
5		Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

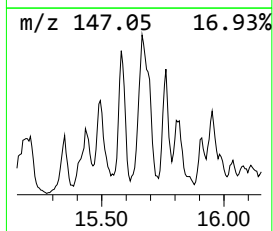
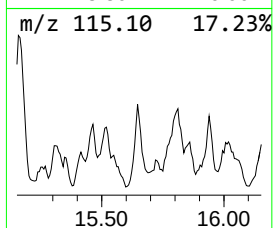
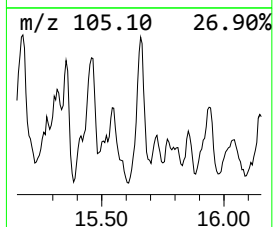
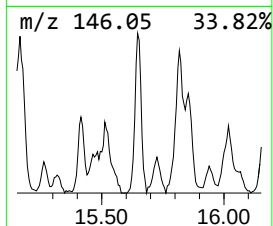
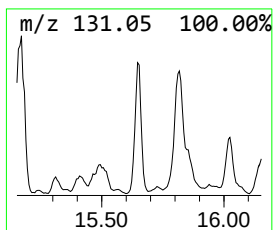
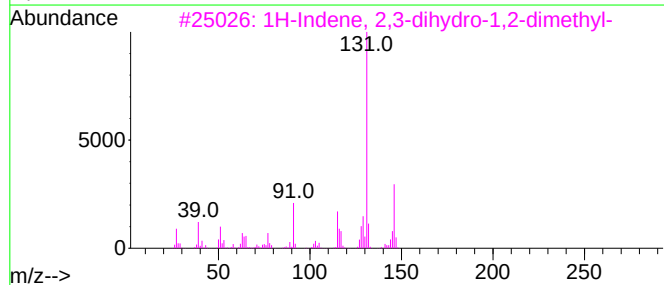
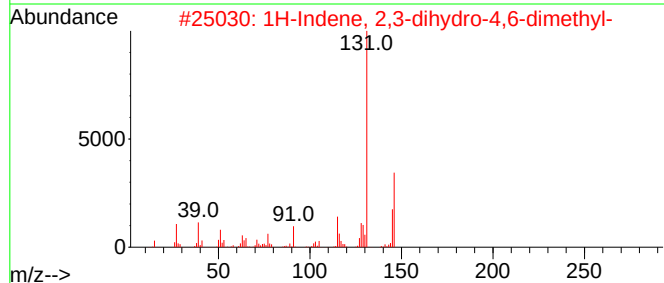
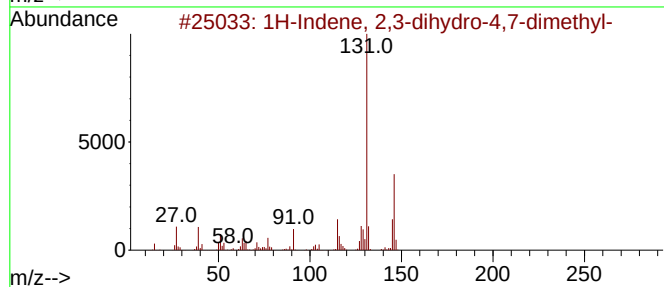
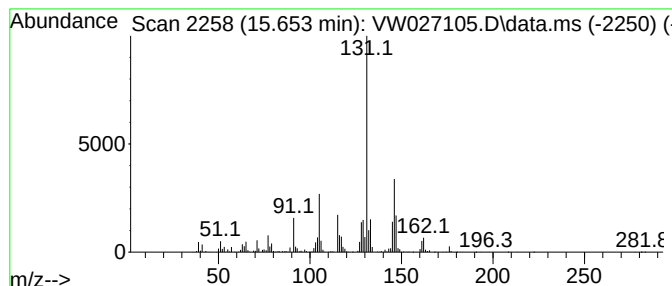
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Quant Title : SFAM01.0

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

Peak Number 40 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.653	37.07 ug/L	1789410	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
4			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	86
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

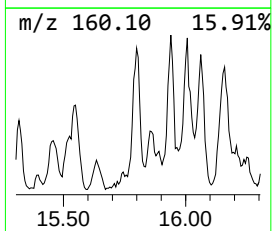
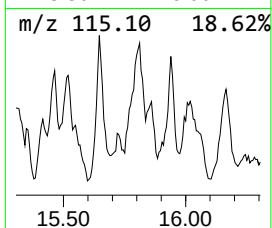
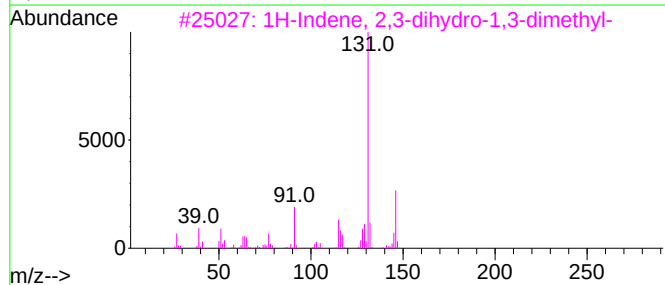
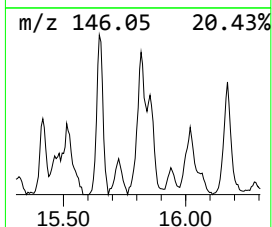
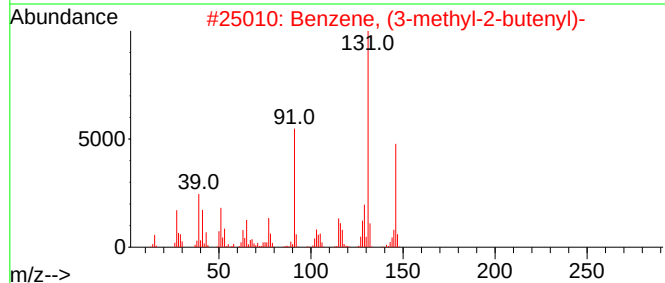
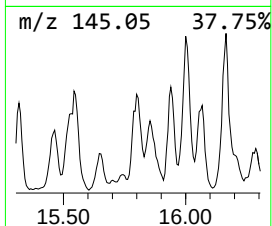
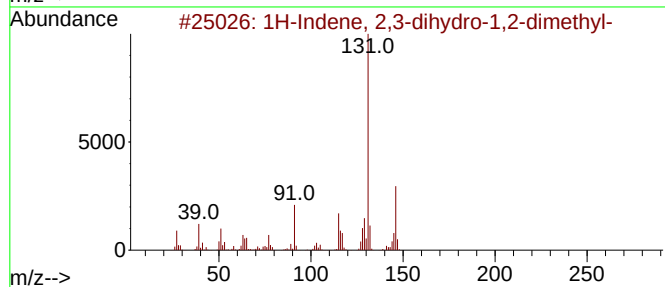
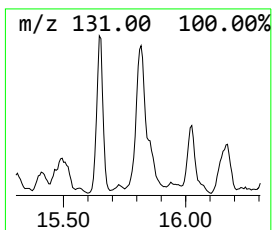
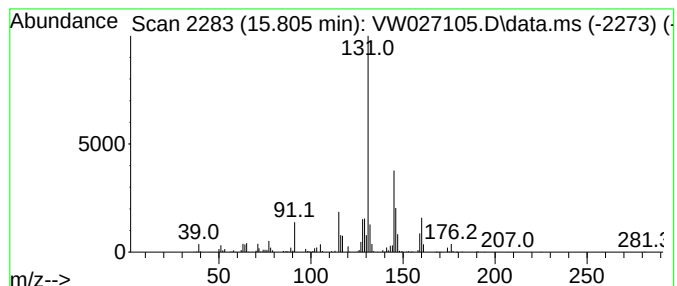
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Quant Title : SFAM01.0

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

Peak Number 42 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.805	29.90 ug/L	1443430	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94		
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76		
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76		
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	68		
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	68		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

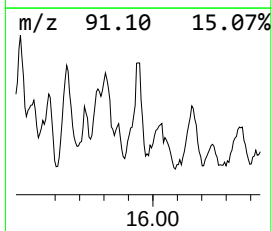
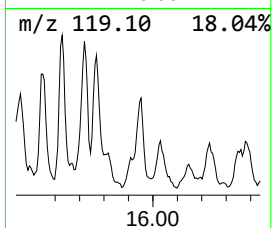
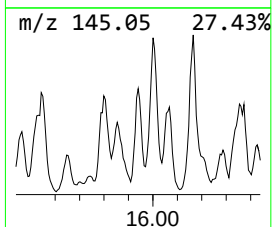
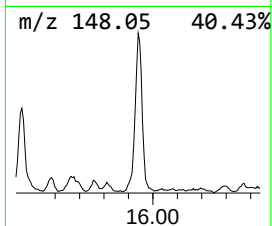
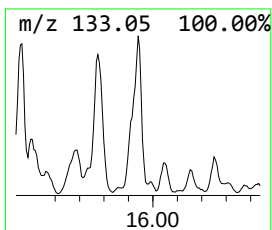
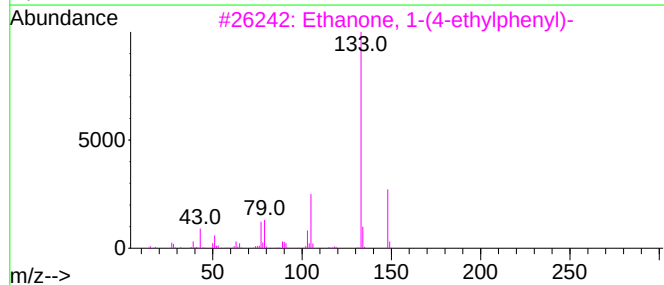
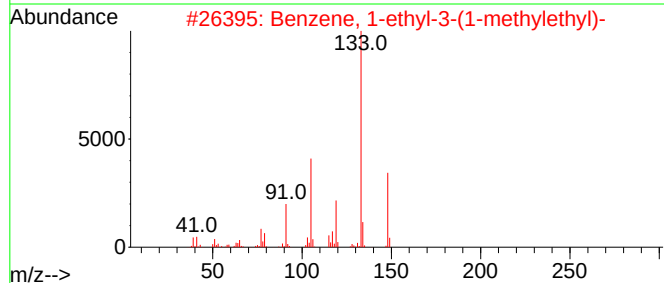
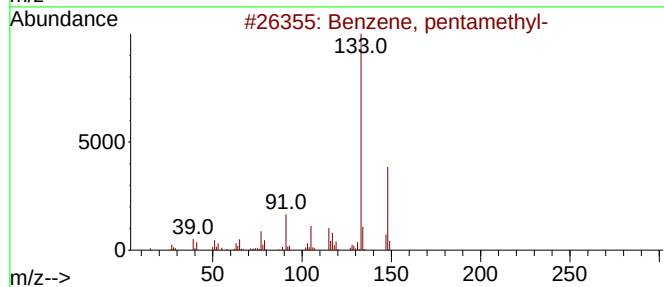
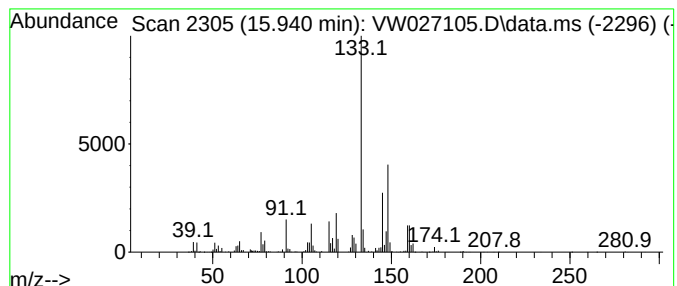
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, pentamethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.940	30.42 ug/L	1468560	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	70
2			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	70
3			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	58
4			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
5			6-Methyl-4-indanol	148	C10H12O	020294-32-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

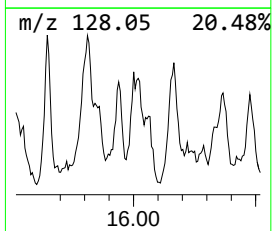
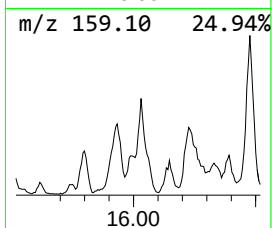
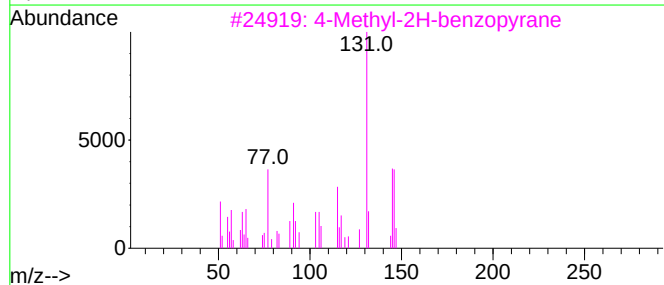
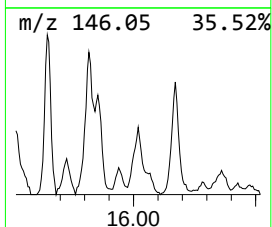
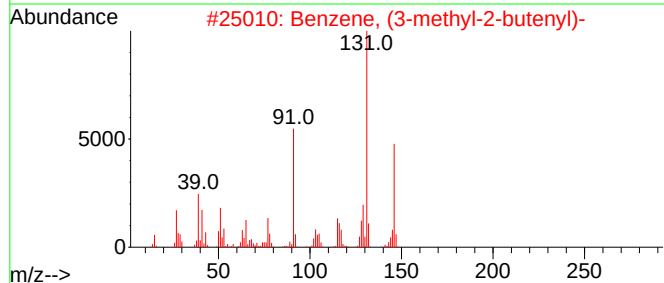
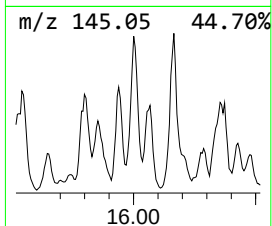
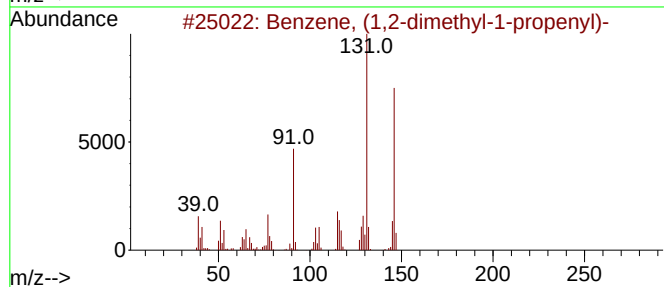
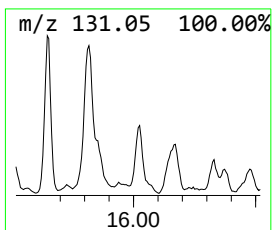
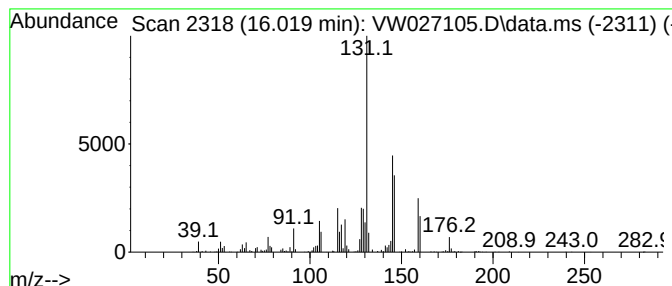
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.019	16.29 ug/L	786403	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
3			4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	49
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

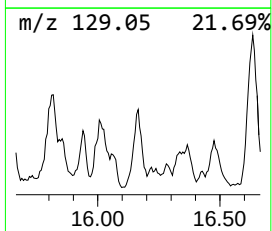
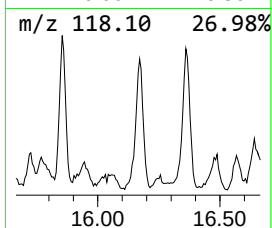
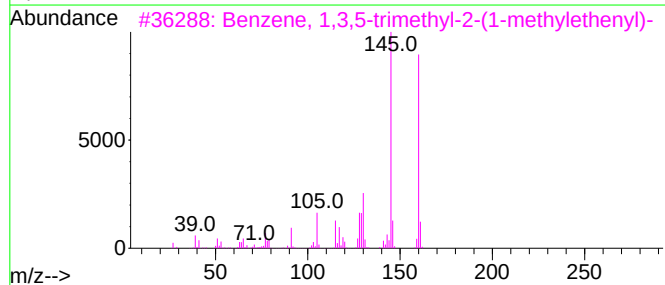
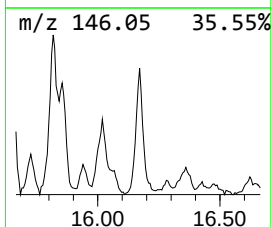
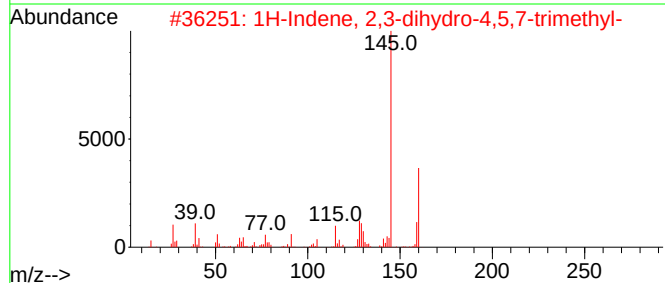
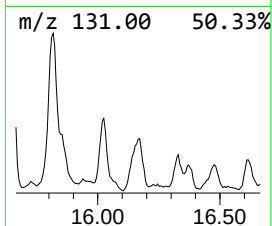
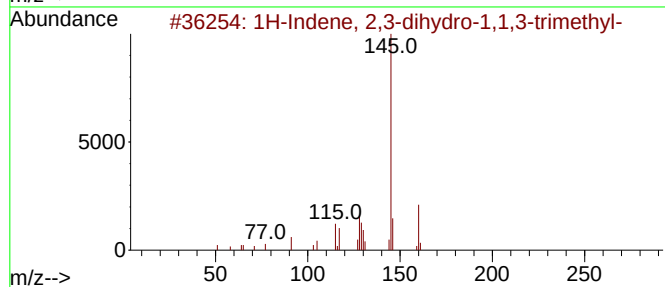
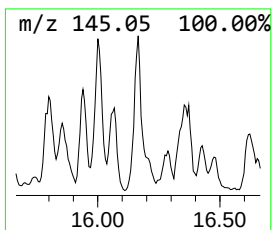
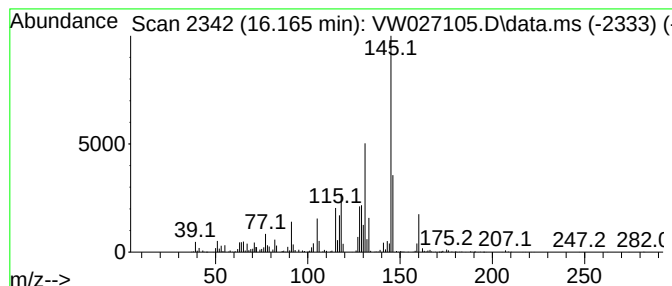
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Quant Title : SFAM01.0

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

Peak Number 45 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.165	27.40 ug/L	1322430	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64		
2	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	60		
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60		
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	58		
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	55		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

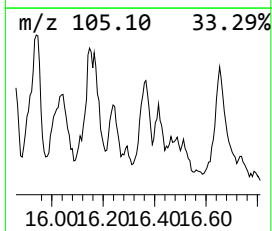
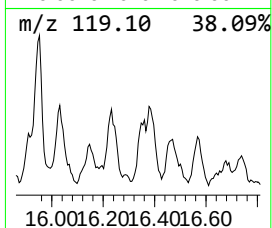
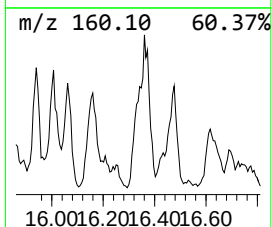
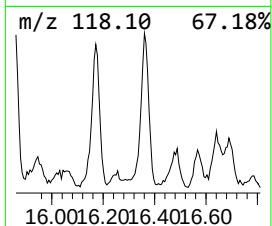
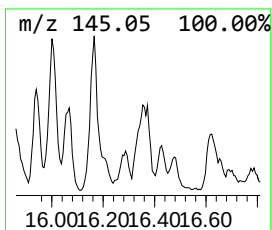
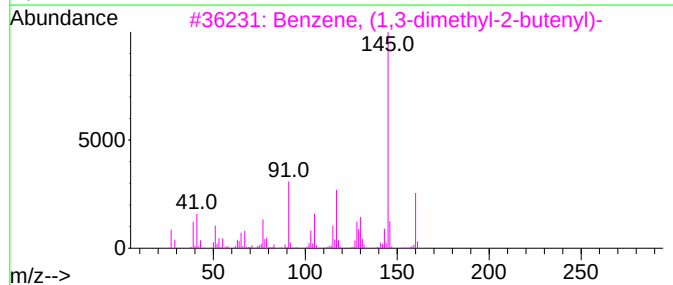
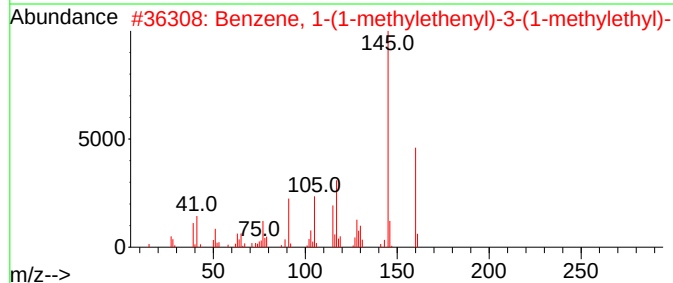
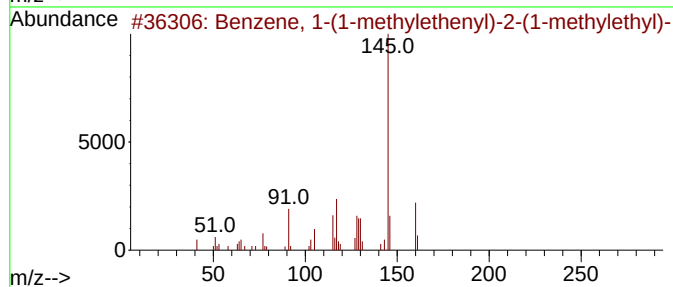
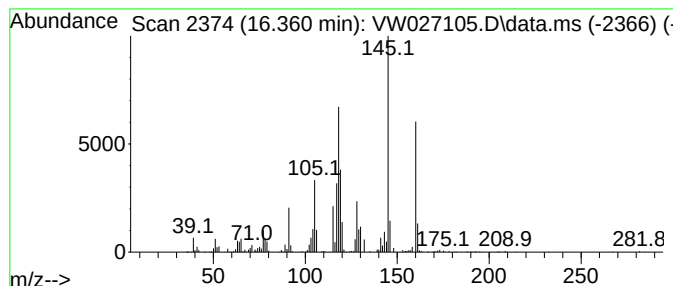
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Quant Title : SFAM01.0

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

Peak Number 46 Benzene, 1-(1-methylethenyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.360	16.17 ug/L	780390	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
2			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
3			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	64
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	58
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

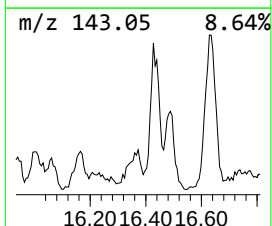
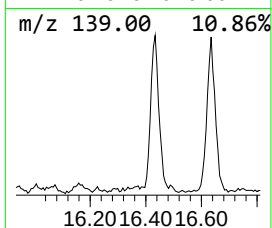
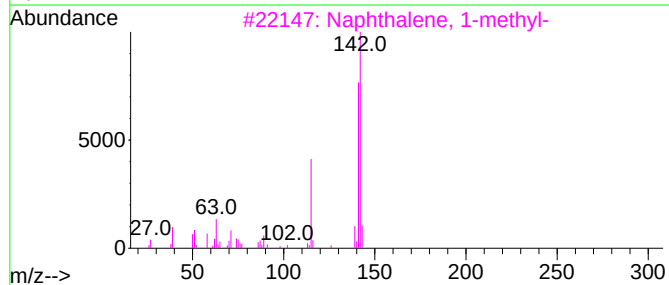
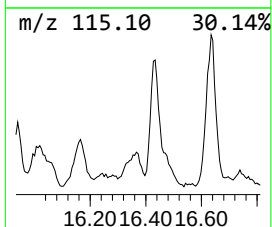
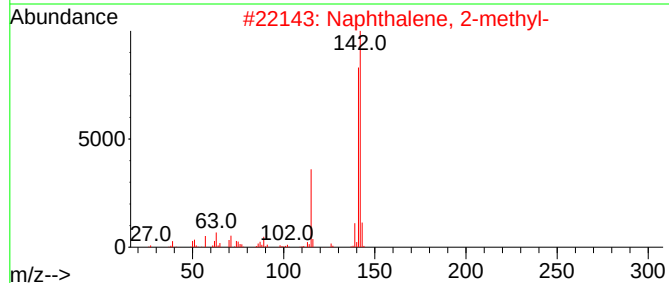
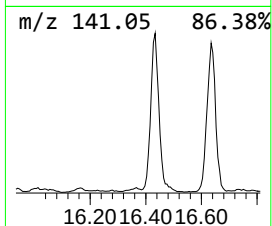
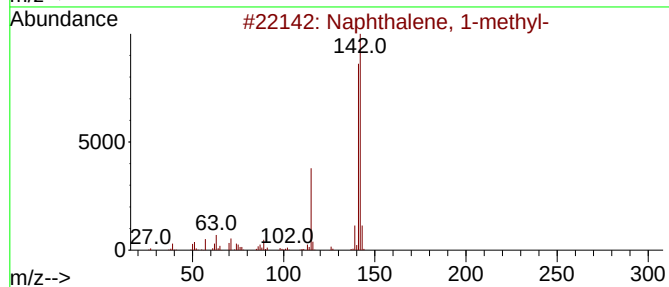
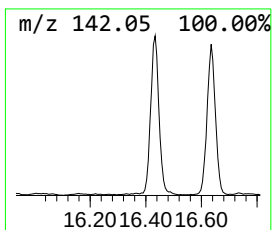
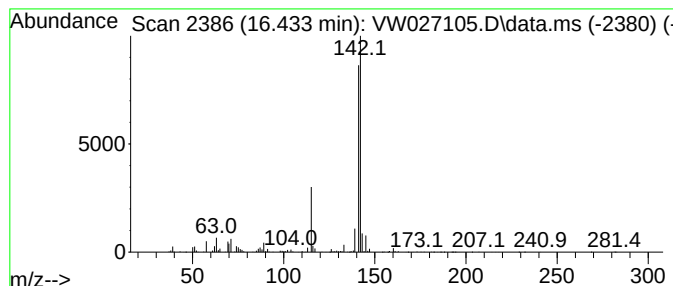
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Quant Title : SFAM01.0

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

Peak Number 47 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.433	26.81 ug/L	1293980	1,4-Dichlorobenzene-d4	13.556

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, 1-methyl-	142	C11H10	000090-12-0	90
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZY4

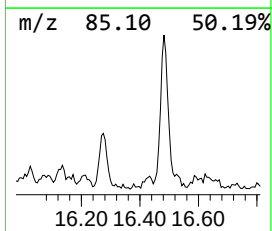
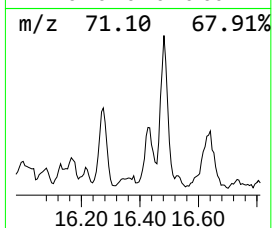
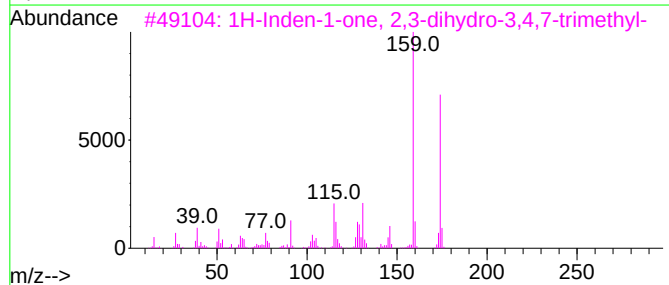
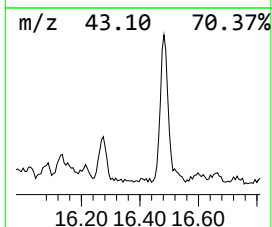
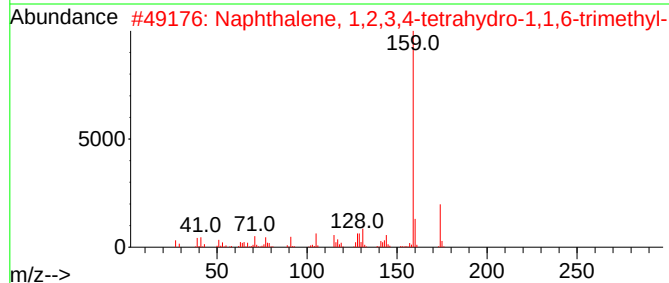
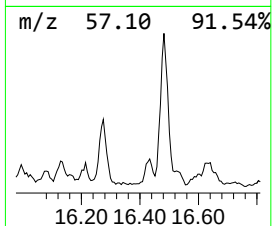
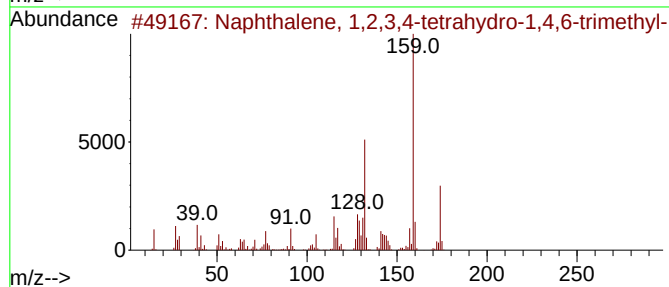
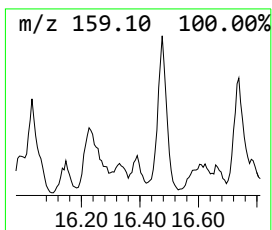
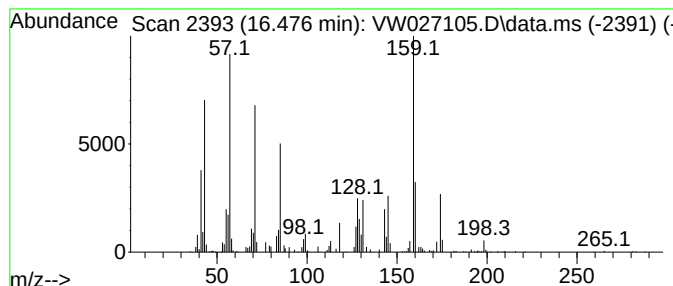
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Quant Title : SFAM01.0

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

Peak Number 48 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.476	17.85 ug/L	861530	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	022824-32-4	43
2			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	43
3			1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	38
4			Tetradecane	198	C14H30	000629-59-4	35
5			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027105.D
Acq On : 14 Sep 2023 16:15
Operator : SY/MD
Sample : 04417-18
Misc : 4.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYN4

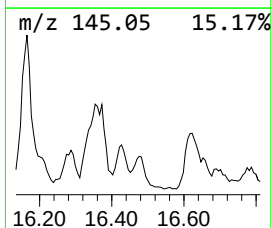
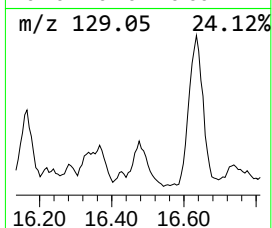
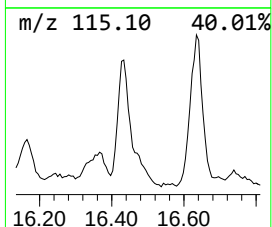
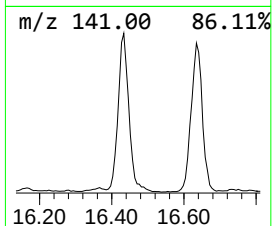
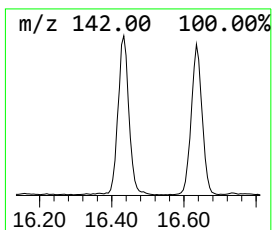
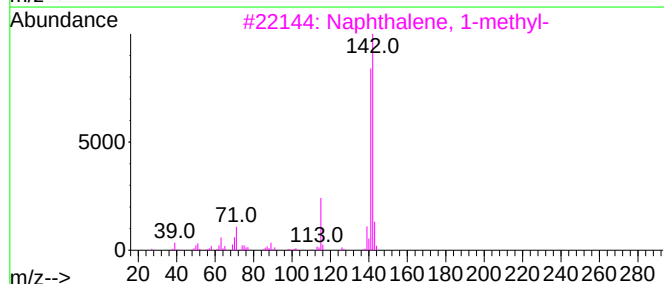
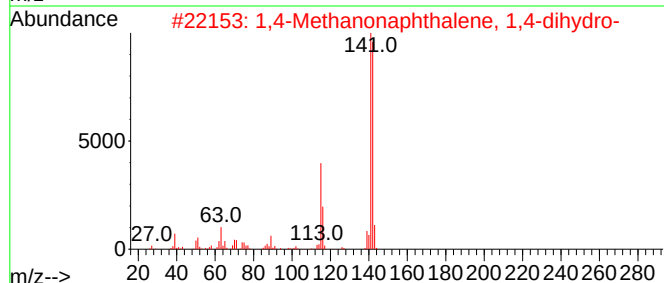
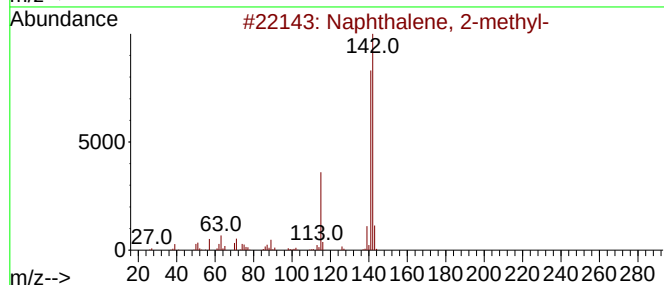
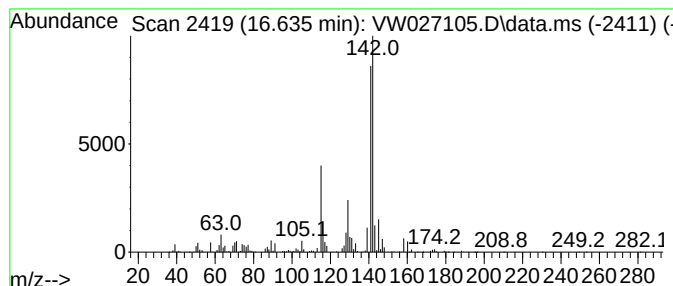
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	40.10 ug/L	1935550	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
2			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	81
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	81
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
 Data File : VW027105.D
 Acq On : 14 Sep 2023 16:15
 Operator : SY/MD
 Sample : 04417-18
 Misc : 4.96g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYN4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	3.027	1.6	ug/L	104041	1	8.843	1666230	25.0
(DEL) Alkane: S...	8.575	1.5	ug/L	101256	1	8.843	1666230	25.0
(DEL) Alkane: C...	10.502	1.7	ug/L	109579	2	11.629	1624760	25.0
(DEL) Alkane: C...	10.666	1.8	ug/L	119714	2	11.629	1624760	25.0
(DEL) Alkane: C...	11.178	1.8	ug/L	116240	2	11.629	1624760	25.0
Benzene, 2-ethy...	13.788	8.9	ug/L	430167	3	13.556	1206800	25.0
o-Cymene	14.092	10.1	ug/L	487488	3	13.556	1206800	25.0
Benzene, 1-meth...	14.196	14.3	ug/L	688644	3	13.556	1206800	25.0
Benzene, 1-ethy...	14.330	9.7	ug/L	467933	3	13.556	1206800	25.0
Benzene, 1,2,4,...	14.415	13.5	ug/L	652902	3	13.556	1206800	25.0
Benzene, 1-ethy...	14.452	39.1	ug/L	1888620	3	13.556	1206800	25.0
Benzene, 1,3-di...	14.495	19.2	ug/L	925075	3	13.556	1206800	25.0
Benzene, (1,1-d...	14.537	26.7	ug/L	1288410	3	13.556	1206800	25.0
2,2-Dimethylind...	14.635	12.3	ug/L	591132	3	13.556	1206800	25.0
Benzene, 2,4-di...	14.678	6.8	ug/L	328938	3	13.556	1206800	25.0
Benzene, 2-ethy...	14.720	28.7	ug/L	1383360	3	13.556	1206800	25.0
unknown-01	14.781	65.0	ug/L	3137810	3	13.556	1206800	25.0
Benzene, 1,2,3,...	14.854	14.5	ug/L	699997	3	13.556	1206800	25.0
Benzene, 1,3-di...	14.982	13.4	ug/L	645699	3	13.556	1206800	25.0
Benzene, 1,4-di...	15.062	105.7	ug/L	5103000	3	13.556	1206800	25.0
1H-Indene, 2,3-...	15.165	58.3	ug/L	2814410	3	13.556	1206800	25.0
unknown-02	15.245	8.8	ug/L	424395	3	13.556	1206800	25.0
Benzene, 1-ethy...	15.312	18.9	ug/L	912755	3	13.556	1206800	25.0
Azulene	15.354	19.1	ug/L	920881	3	13.556	1206800	25.0
unknown-03	15.409	9.6	ug/L	462893	3	13.556	1206800	25.0
3,4-Dimethylcumene	15.464	13.2	ug/L	637110	3	13.556	1206800	25.0
(DEL) Alkane: S...	15.543	22.5	ug/L	1086670	3	13.556	1206800	25.0
1H-Indene, 2,3-...	15.653	37.1	ug/L	1789410	3	13.556	1206800	25.0
1H-Indene, 2,3-...	15.805	29.9	ug/L	1443430	3	13.556	1206800	25.0
Benzene, pentam...	15.940	30.4	ug/L	1468560	3	13.556	1206800	25.0
Benzene, (1,2-d...	16.019	16.3	ug/L	786403	3	13.556	1206800	25.0
1H-Indene, 2,3-...	16.165	27.4	ug/L	1322430	3	13.556	1206800	25.0
Benzene, 1-(1-m...	16.360	16.2	ug/L	780390	3	13.556	1206800	25.0
Naphthalene, 1-...	16.433	26.8	ug/L	1293980	3	13.556	1206800	25.0
unknown-04	16.476	17.9	ug/L	861530	3	13.556	1206800	25.0
Naphthalene, 2-...	16.634	40.1	ug/L	1935550	3	13.556	1206800	25.0