

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
 Data File : VW023267.D
 Acq On : 24 May 2022 13:11
 Operator : SY/VA
 Sample : N2996-05
 Misc : 6.53g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBGS8

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\SFAMWLM050222SMA.M
 Title : SFAM01.0

Signal : TIC: VW023267.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	9	10	12	rVB	2166	1485	0.06%	0.005%
2	1.989	12	14	16	rBV3	1253	1519	0.06%	0.005%
3	2.160	37	42	48	rBV	17233	32140	1.21%	0.105%
4	2.349	68	73	80	rBV	98960	162350	6.13%	0.530%
5	2.885	155	161	169	rBV	56649	118234	4.46%	0.386%
6	3.477	256	258	260	rBV3	1517	1458	0.06%	0.005%
7	3.873	321	323	326	rBV3	1450	1487	0.06%	0.005%
8	4.019	336	347	360	rBV2	102482	322784	12.18%	1.054%
9	4.202	374	377	383	rVB7	1315	2396	0.09%	0.008%
10	4.245	383	384	389	rVB5	1616	1530	0.06%	0.005%
11	4.379	402	406	411	rBV7	1853	3855	0.15%	0.013%
12	4.415	411	412	419	rVB4	2563	3611	0.14%	0.012%
13	4.818	477	478	483	rVB4	1687	1575	0.06%	0.005%
14	4.915	487	494	508	rVB3	11535	38195	1.44%	0.125%
15	5.385	568	571	574	rBV4	1920	1573	0.06%	0.005%
16	5.415	574	576	578	rBV2	1541	1611	0.06%	0.005%
17	5.677	615	619	622	rVB3	2106	2501	0.09%	0.008%
18	5.720	622	626	628	rBV4	1529	2213	0.08%	0.007%
19	5.927	654	660	661	rBV3	4720	6903	0.26%	0.023%
20	6.037	675	678	681	rBV4	1392	1630	0.06%	0.005%
21	6.580	764	767	770	rBV2	992	1709	0.06%	0.006%
22	6.976	829	832	834	rVB3	1692	1657	0.06%	0.005%
23	6.994	834	835	838	rBV3	1421	1464	0.06%	0.005%
24	7.080	841	849	866	rBV2	45434	146081	5.51%	0.477%
25	7.250	872	877	890	rVB2	8272	23592	0.89%	0.077%
26	7.647	929	942	952	rBV	195553	480785	18.15%	1.569%
27	8.275	1036	1045	1064	rBV2	343315	1078134	40.69%	3.519%
28	8.707	1113	1116	1121	rBV6	1176	2178	0.08%	0.007%
29	8.841	1128	1138	1148	rBV	375862	742052	28.01%	2.422%
30	8.921	1148	1151	1154	rVV3	1652	2885	0.11%	0.009%
31	9.055	1170	1173	1174	rBV3	2592	2233	0.08%	0.007%
32	9.085	1176	1178	1180	rVV3	2286	1976	0.07%	0.006%
33	9.274	1200	1209	1227	rVV	257869	527167	19.90%	1.721%
34	9.665	1266	1273	1275	rBV6	2053	4395	0.17%	0.014%
35	9.744	1283	1286	1293	rVB7	1307	2405	0.09%	0.008%
36	10.036	1326	1334	1341	rBV2	137499	244801	9.24%	0.799%

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Peak Location: TOP

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Title : SFAM01.0

37	10.323	1374	1381	1388	rBV	499534	887793	33.51%	2.898%
38	10.451	1398	1402	1405	rBV5	2092	3629	0.14%	0.012%
39	10.579	1416	1423	1431	rBV	94457	158405	5.98%	0.517%
40	10.701	1433	1443	1449	rVB	50202	91916	3.47%	0.300%
41	10.768	1449	1454	1457	rVB7	3910	7778	0.29%	0.025%
42	10.798	1457	1459	1462	rBV4	1946	2207	0.08%	0.007%
43	10.853	1463	1468	1470	rVB4	2045	3021	0.11%	0.010%
44	10.920	1472	1479	1490	rBV	182088	326247	12.31%	1.065%
45	11.036	1493	1498	1505	rBV10	5196	16585	0.63%	0.054%
46	11.109	1505	1510	1514	rBV2	12849	20109	0.76%	0.066%
47	11.231	1525	1530	1535	rVB2	20537	36001	1.36%	0.118%
48	11.286	1535	1539	1543	rBV6	5748	8099	0.31%	0.026%
49	11.335	1543	1547	1551	rBV2	26234	45799	1.73%	0.149%
50	11.402	1551	1558	1560	rBV3	40813	78893	2.98%	0.258%
51	11.512	1570	1576	1586	rVB	155246	272314	10.28%	0.889%
52	11.628	1586	1595	1602	rBV	595444	1086487	41.01%	3.546%
53	11.695	1602	1606	1611	rVB	52727	75727	2.86%	0.247%
54	11.762	1613	1617	1621	rBV2	57811	91830	3.47%	0.300%
55	11.817	1621	1626	1630	rBV3	91059	161314	6.09%	0.527%
56	11.871	1630	1635	1639	rBV	348345	598117	22.57%	1.952%
57	11.914	1640	1642	1648	rVB3	191273	259767	9.80%	0.848%
58	12.006	1648	1657	1659	rBV4	75464	163724	6.18%	0.534%
59	12.060	1660	1666	1671	rVB3	323989	572080	21.59%	1.867%
60	12.134	1671	1678	1684	rBV3	787502	1683064	63.52%	5.494%
61	12.249	1693	1697	1701	rVB	628940	934675	35.28%	3.051%
62	12.329	1701	1710	1713	rBV6	431936	1180326	44.55%	3.853%
63	12.536	1742	1744	1751	rVB2	350141	571262	21.56%	1.865%
64	12.609	1751	1756	1762	rBV3	362065	642635	24.25%	2.098%
65	12.694	1764	1770	1775	rBV3	463387	877549	33.12%	2.864%
66	12.780	1781	1784	1791	rVB3	296195	634638	23.95%	2.071%
67	12.865	1791	1798	1802	rBV	911874	1660893	62.69%	5.421%
68	12.938	1806	1810	1816	rVV	1582289	2649578	100.00%	8.648%
69	12.987	1816	1818	1824	rVB5	170670	265193	10.01%	0.866%
70	13.072	1829	1832	1836	rBV2	203056	275427	10.40%	0.899%
71	13.121	1836	1840	1843	rBV2	203271	309052	11.66%	1.009%
72	13.164	1844	1847	1850	rVB2	181512	230404	8.70%	0.752%
73	13.249	1856	1861	1865	rVB	1332359	1963648	74.11%	6.409%
74	13.438	1887	1892	1897	rVB2	471251	716160	27.03%	2.338%
75	13.493	1897	1901	1906	rVB	323419	485189	18.31%	1.584%
76	13.554	1906	1911	1914	rBV	715136	1224826	46.23%	3.998%

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 Title : SFAM01.0

77	13.646	1924	1926	1931	rVB	53051	68448	2.58%	0.223%
78	13.713	1933	1937	1939	rVV2	185437	268148	10.12%	0.875%
79	13.743	1939	1942	1945	rVV	438287	647358	24.43%	2.113%
80	13.786	1945	1949	1954	rVV2	526198	894105	33.75%	2.918%
81	13.853	1955	1960	1969	rVB2	591484	1298881	49.02%	4.240%
82	13.944	1971	1975	1980	rVB	227905	324892	12.26%	1.060%
83	14.005	1981	1985	1987	rBV	163585	227897	8.60%	0.744%
84	14.036	1988	1990	1996	rVV2	211903	353132	13.33%	1.153%
85	14.091	1996	1999	2007	rVB	183148	284345	10.73%	0.928%
86	14.194	2011	2016	2022	rVB4	99566	170678	6.44%	0.557%
87	14.255	2022	2026	2033	rVB6	42899	83237	3.14%	0.272%
88	14.334	2033	2039	2043	rBV2	59986	104027	3.93%	0.340%
89	14.383	2044	2047	2049	rBV3	28295	37530	1.42%	0.122%
90	14.450	2055	2058	2062	rVB	46331	63959	2.41%	0.209%
91	14.493	2062	2065	2069	rVV2	27748	40758	1.54%	0.133%
92	14.536	2069	2072	2079	rVB4	29918	60688	2.29%	0.198%
93	14.682	2093	2096	2099	rBV4	10433	15184	0.57%	0.050%
94	14.725	2100	2103	2108	rVB2	21990	29787	1.12%	0.097%
95	14.786	2108	2113	2120	rBV4	67454	150757	5.69%	0.492%
96	14.956	2137	2141	2145	rBV4	14570	21181	0.80%	0.069%
97	15.060	2155	2158	2162	rBV4	15207	27728	1.05%	0.091%
98	15.316	2196	2200	2203	rBV5	20147	34292	1.29%	0.112%
99	16.438	2378	2384	2397	rVB	41233	110174	4.16%	0.360%
100	16.633	2410	2416	2424	rVB2	31198	74742	2.82%	0.244%

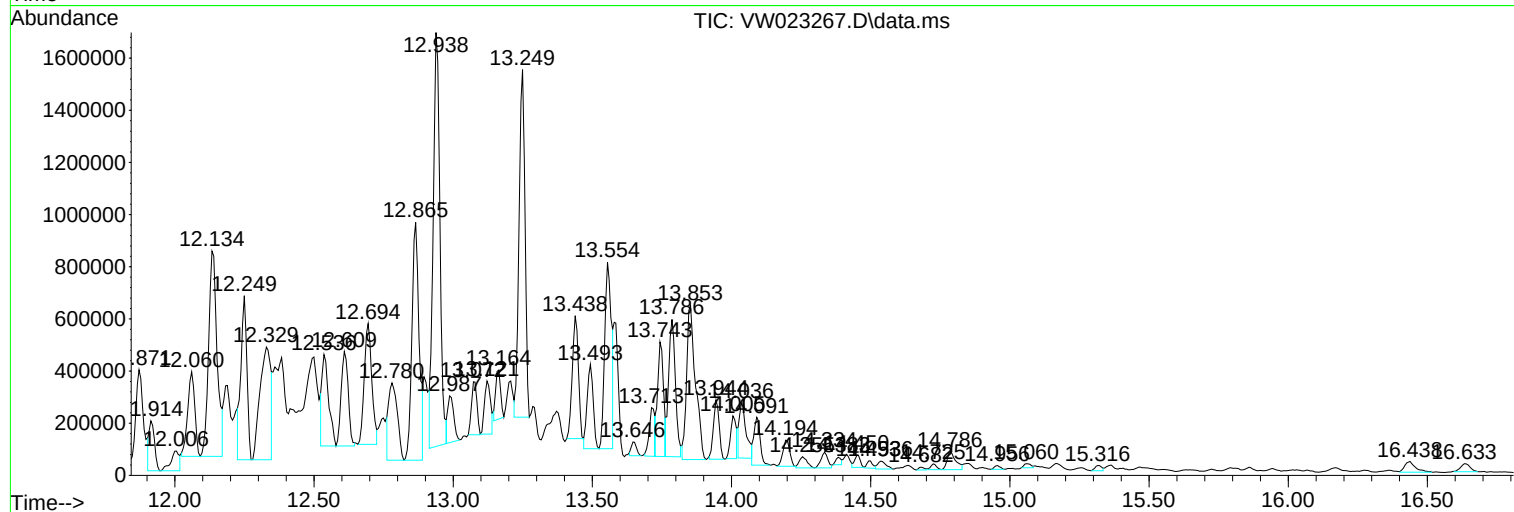
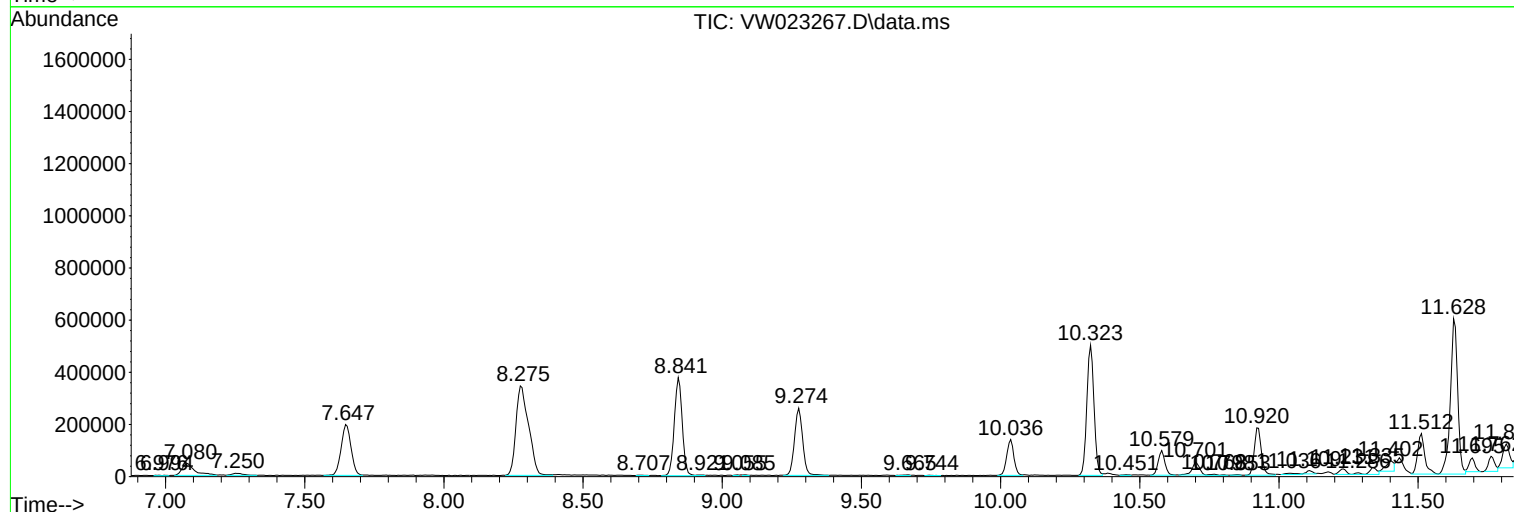
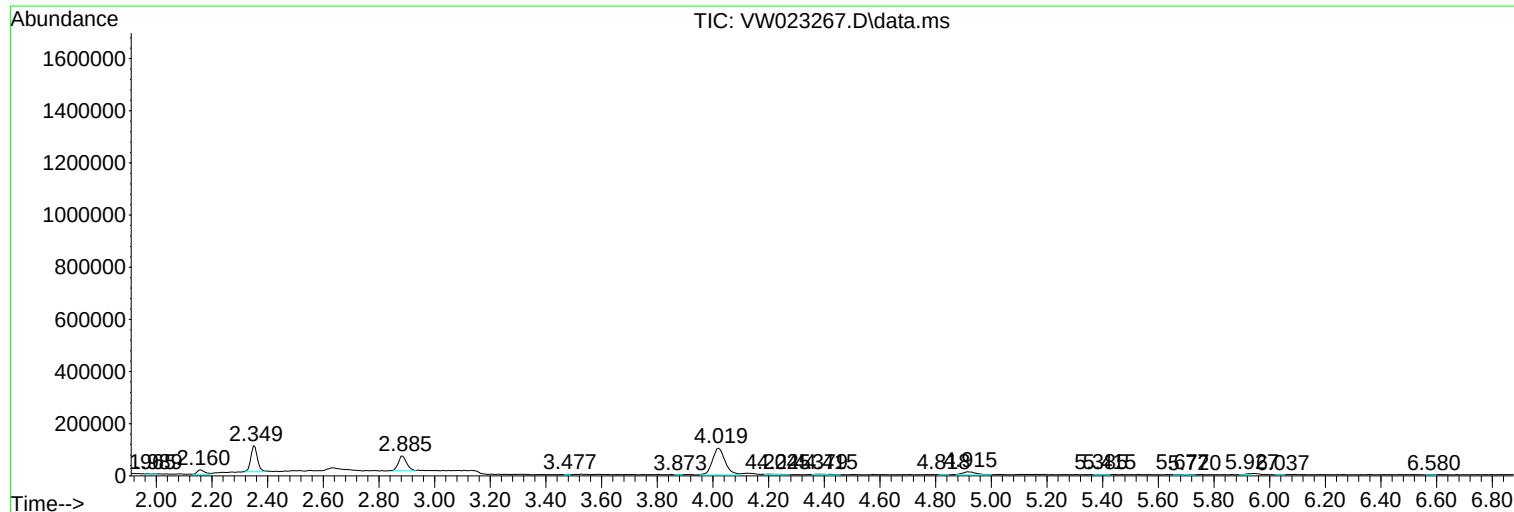
Sum of corrected areas: 30636853

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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



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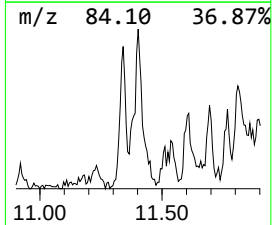
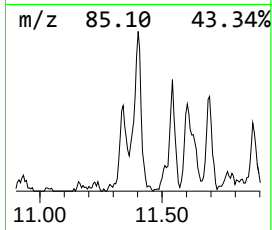
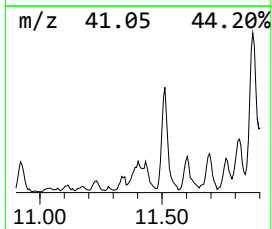
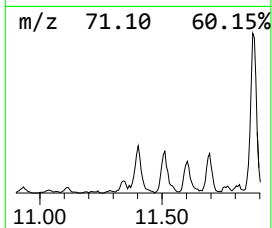
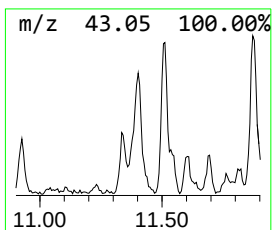
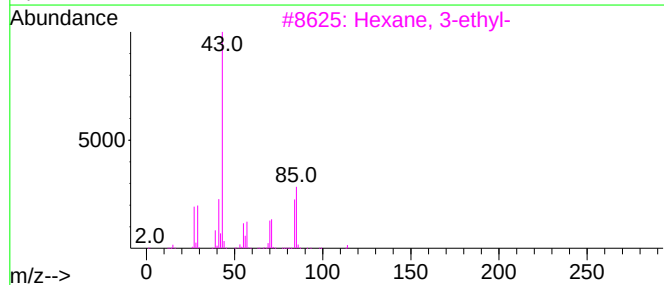
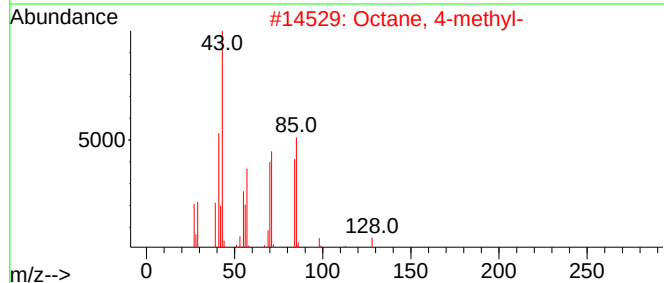
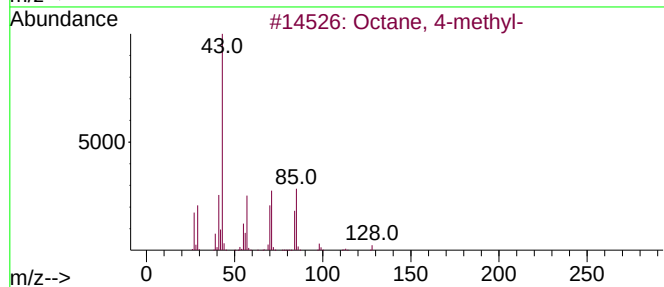
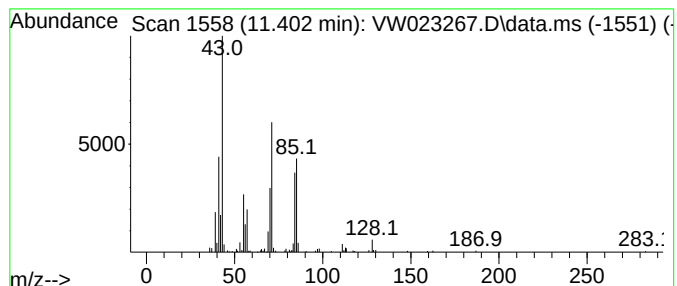
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.402	1.82 ug/L	78893	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-			128	C9H20	002216-34-4	86
2	Octane, 4-methyl-			128	C9H20	002216-34-4	76
3	Hexane, 3-ethyl-			114	C8H18	000619-99-8	64
4	Hexane, 3-ethyl-			114	C8H18	000619-99-8	64
5	Octane, 2-methyl-			128	C9H20	003221-61-2	59



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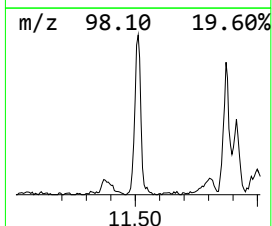
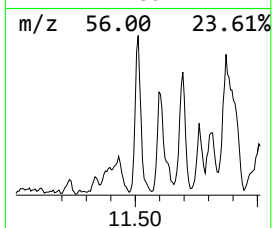
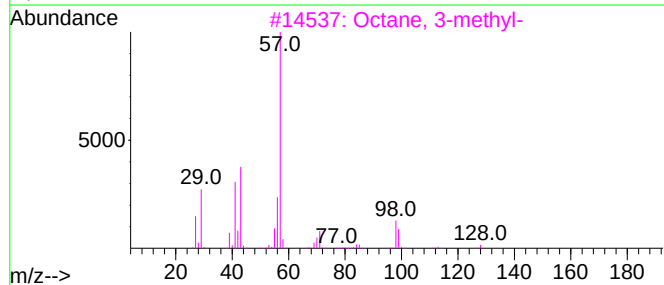
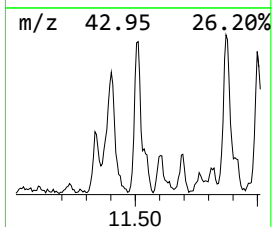
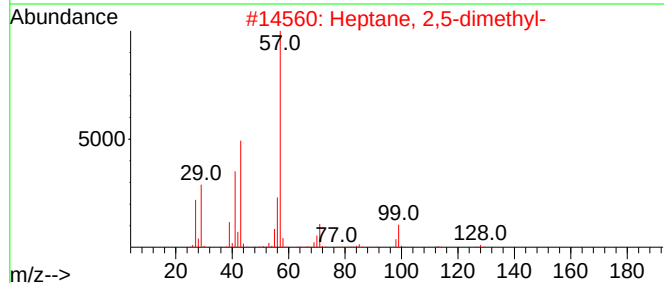
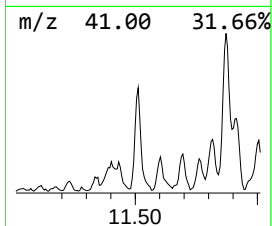
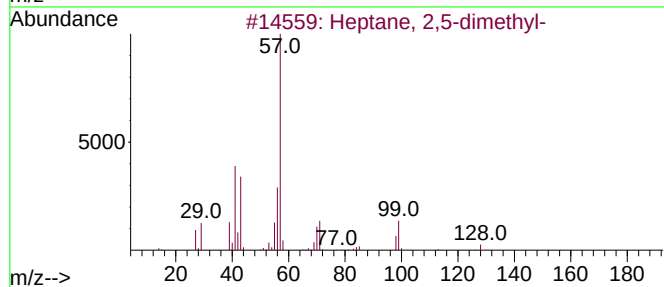
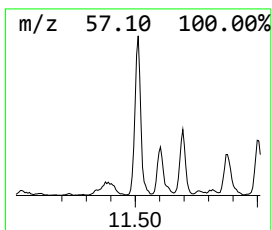
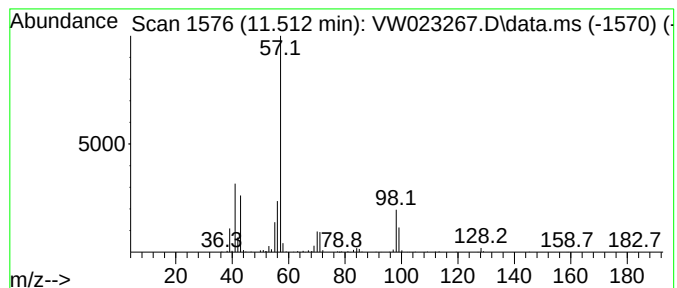
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.512	6.27 ug/L	272314	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	81
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	76
3	Octane, 3-methyl-		128	C9H20	002216-33-3	74
4	Octane, 3-methyl-		128	C9H20	002216-33-3	68
5	Heptane, 4-propyl-		142	C10H22	003178-29-8	59



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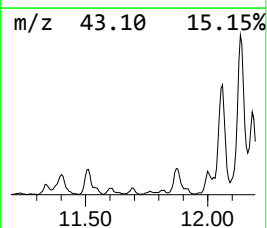
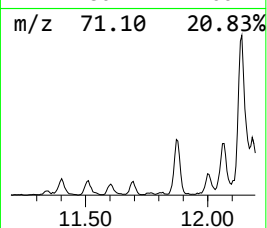
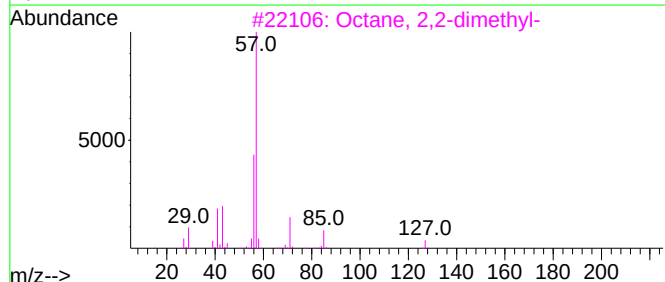
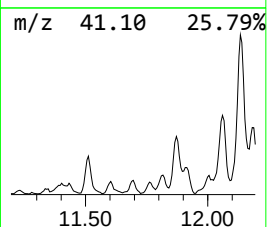
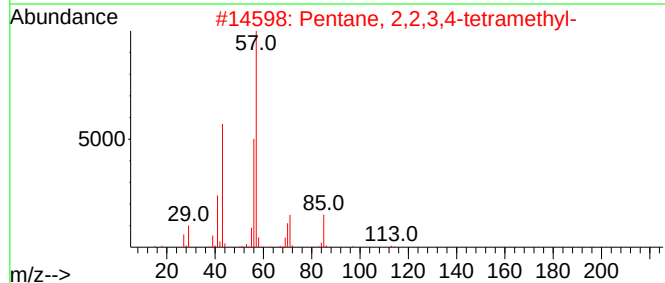
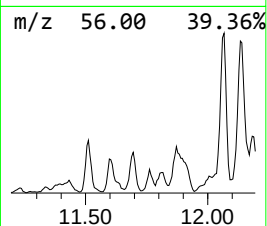
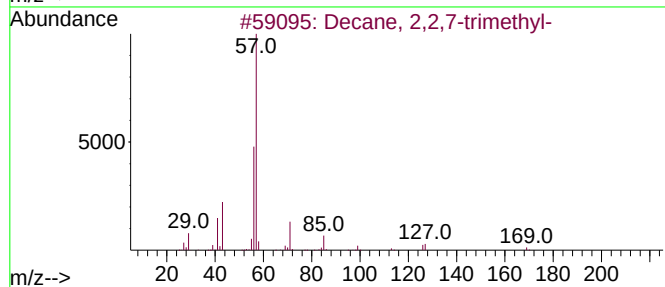
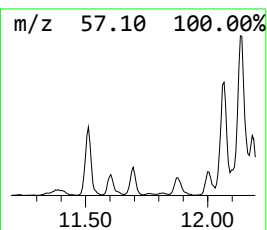
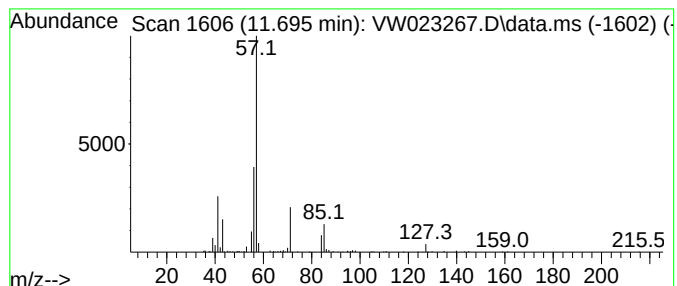
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GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.695	1.74 ug/L	75727	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 2,2,7-trimethyl-		184	C13H28	062237-99-4	78
2	Pentane, 2,2,3,4-tetramethyl-		128	C9H20	001186-53-4	72
3	Octane, 2,2-dimethyl-		142	C10H22	015869-87-1	72
4	Heptane, 2,2,4-trimethyl-		142	C10H22	014720-74-2	72
5	Decane, 2,2,5-trimethyl-		184	C13H28	062237-96-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

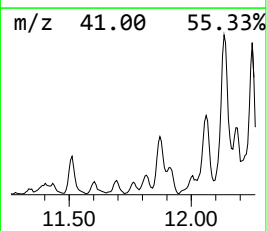
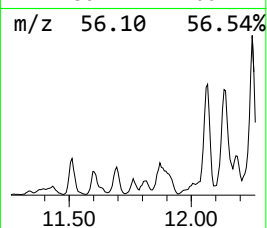
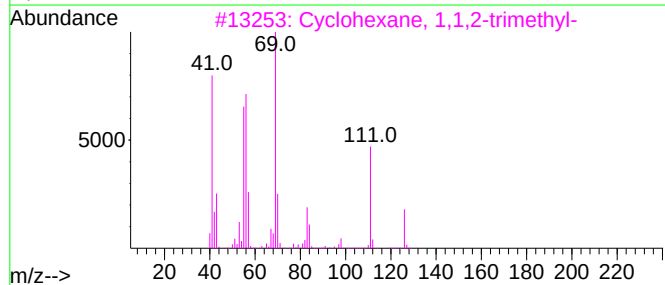
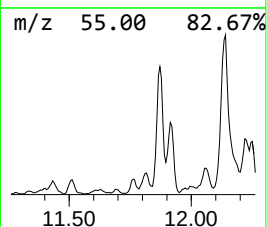
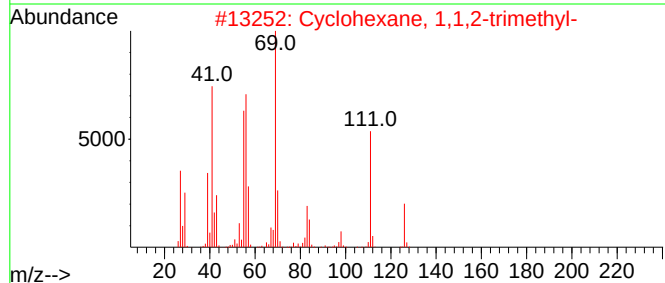
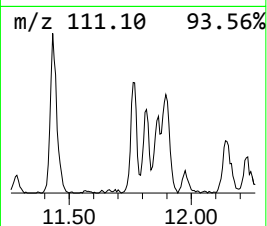
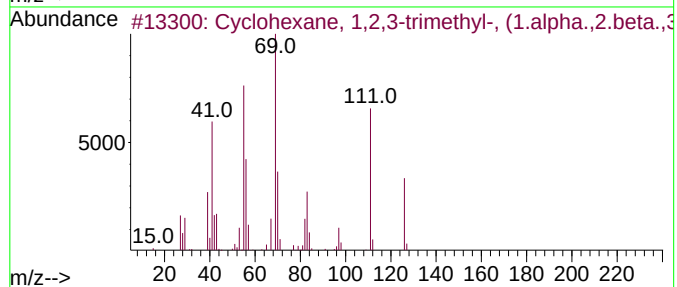
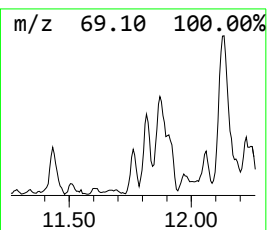
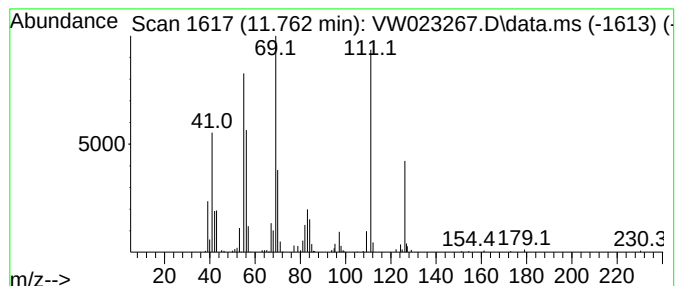
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.762 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.762	2.11 ug/L	91830	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	93
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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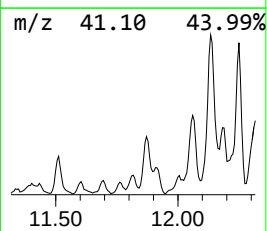
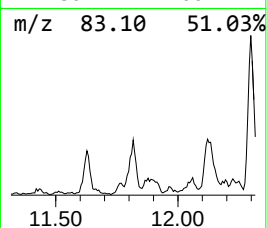
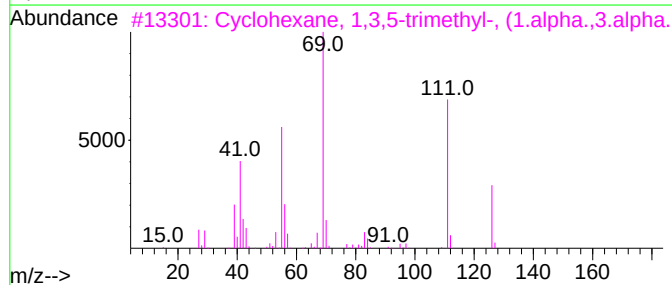
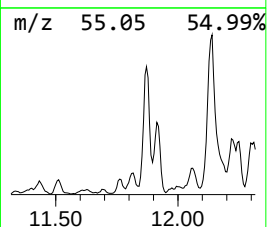
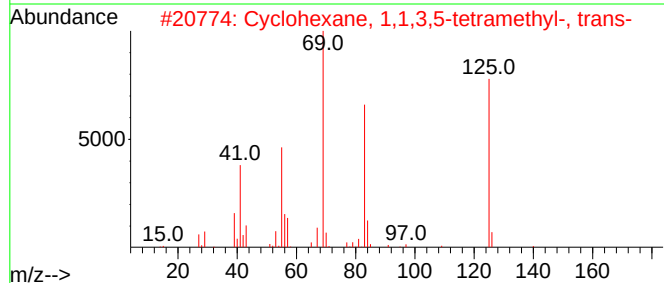
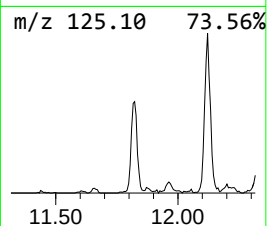
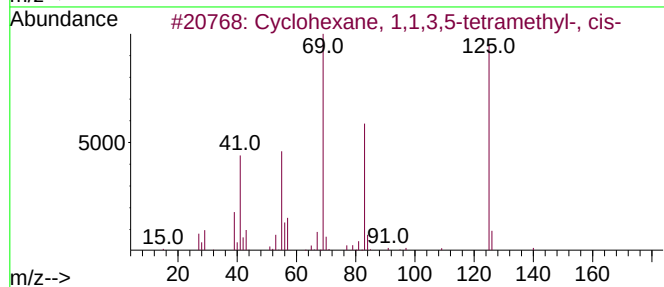
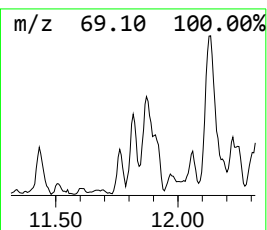
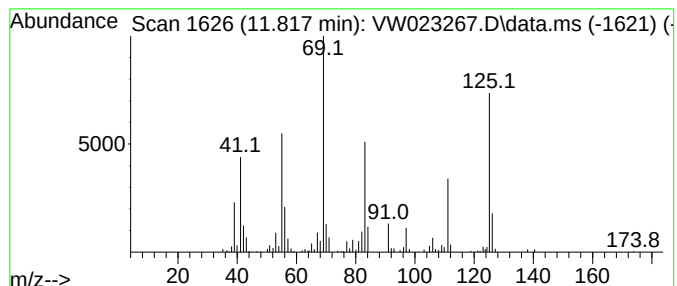
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.817 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	3.71 ug/L	161314	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	83
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	70
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	50
4			Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	38
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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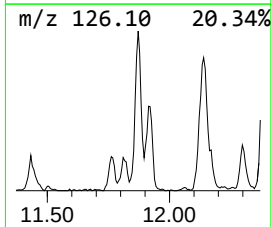
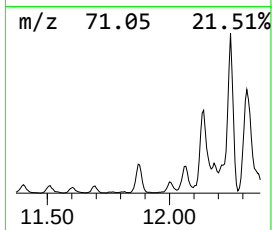
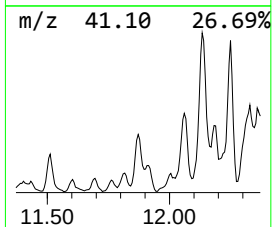
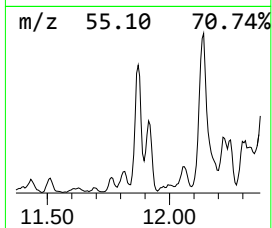
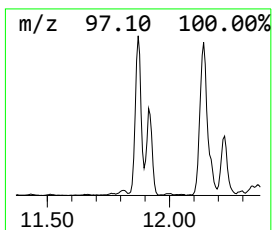
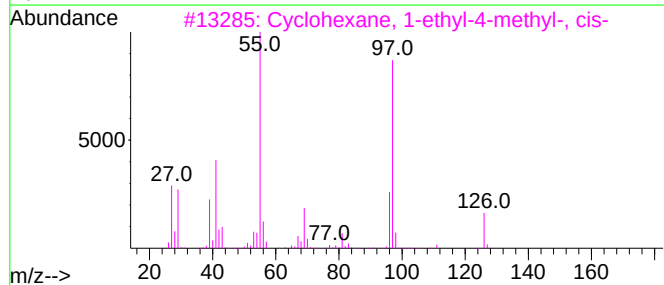
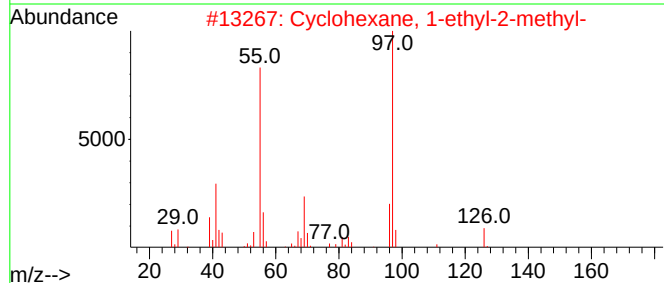
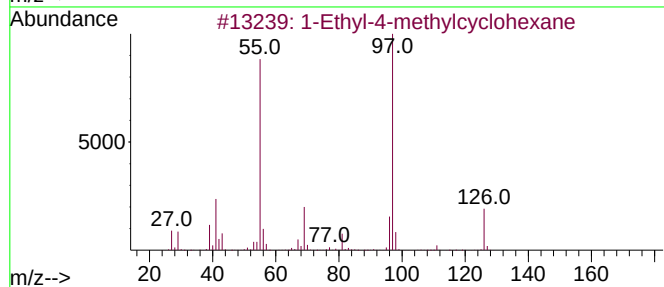
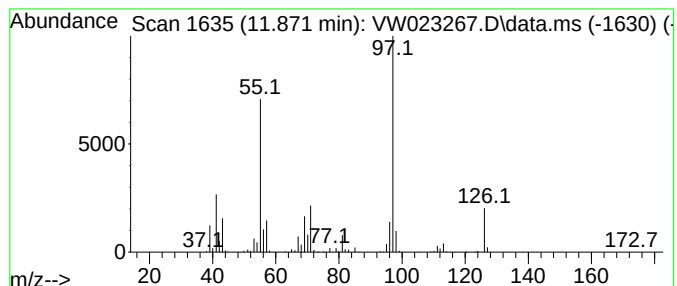
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.871 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	13.76 ug/L	598117	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	93
2			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	70
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	70
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

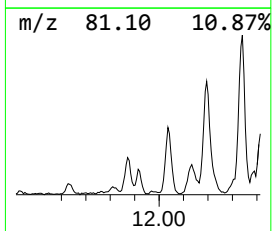
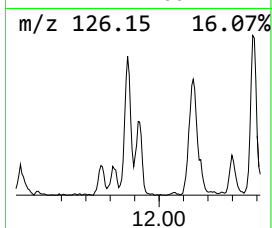
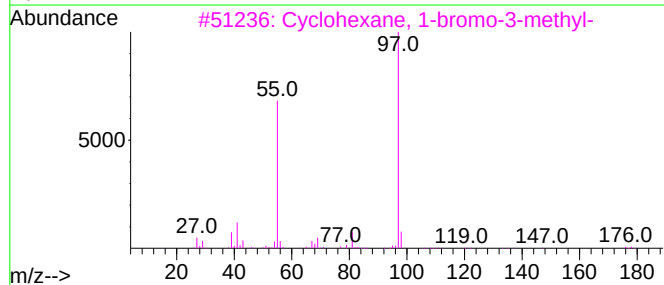
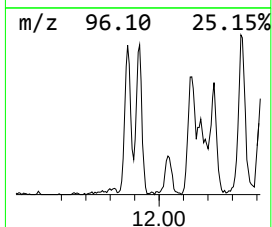
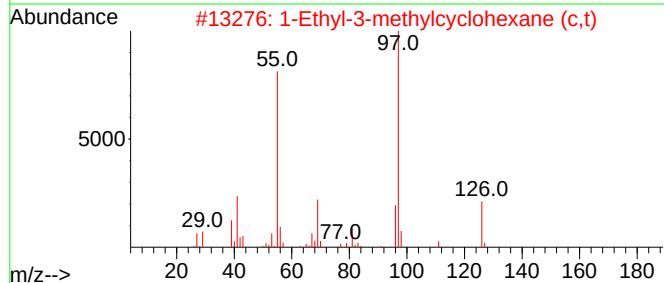
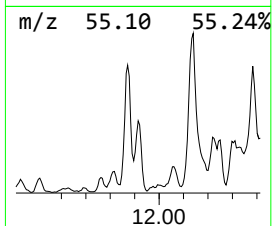
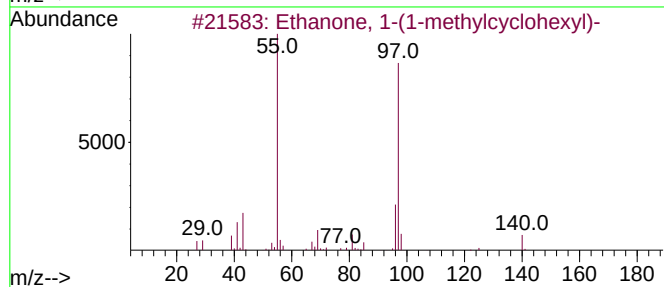
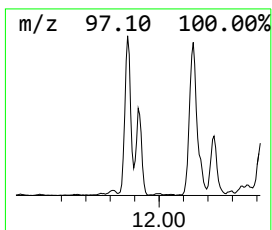
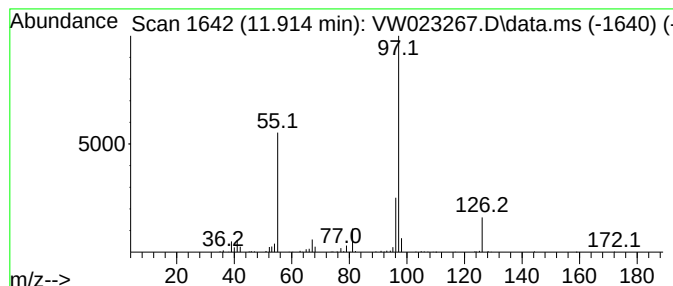
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.914	5.98 ug/L	259767	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3	Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	59
4	4-Octen-3-one	126	C8H14O	014129-48-7	58
5	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

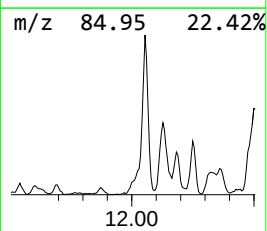
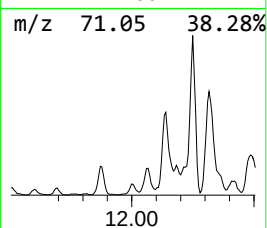
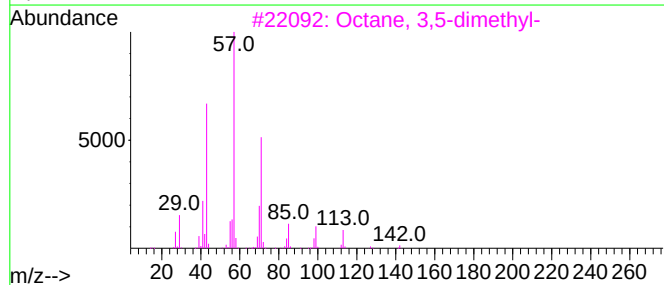
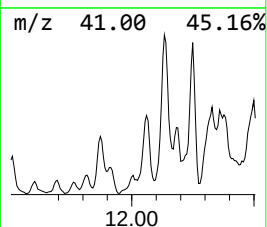
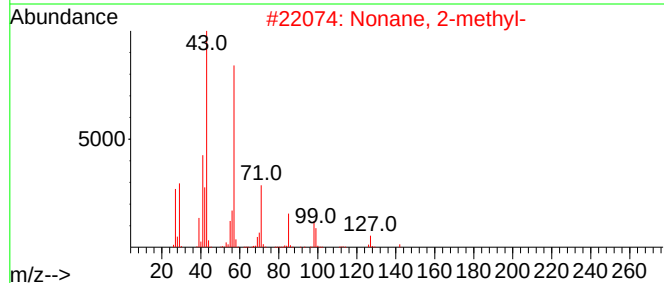
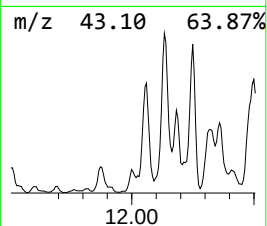
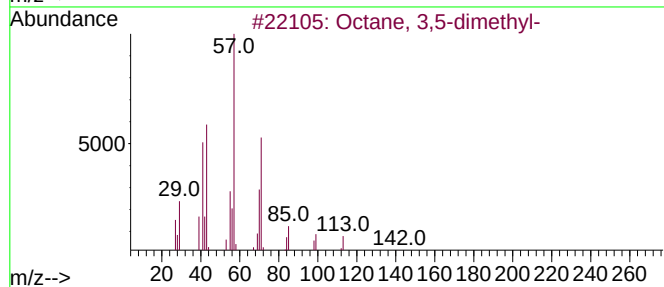
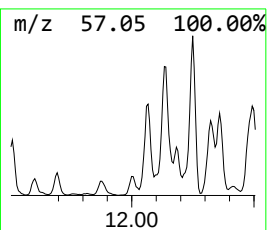
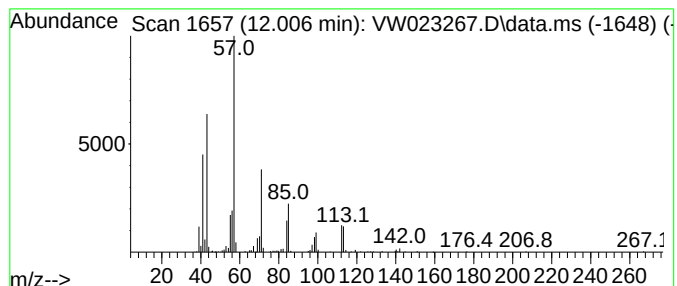
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.006	3.77 ug/L	163724	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72	
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	64	
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58	
4	Hexadecane	226	C16H34	000544-76-3	53	
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

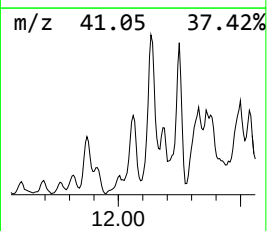
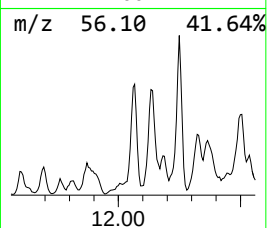
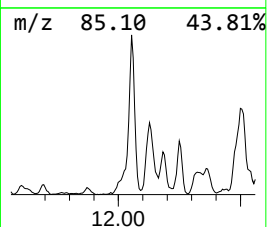
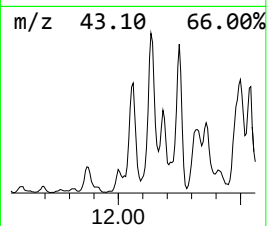
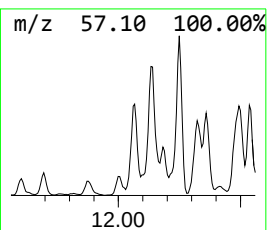
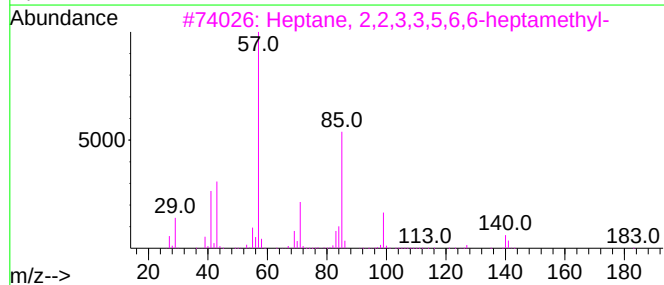
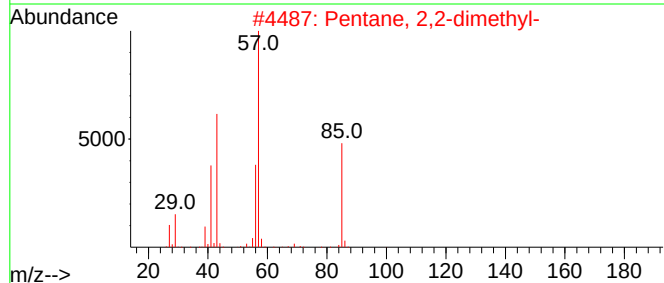
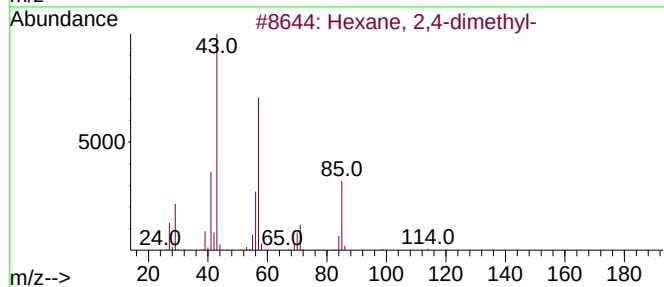
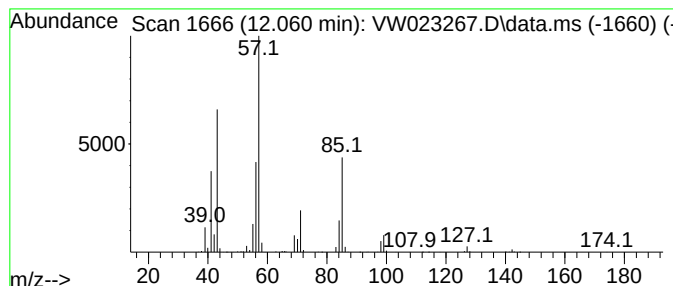
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.060	13.16 ug/L	572080	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
3	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	50
4	2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	50
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

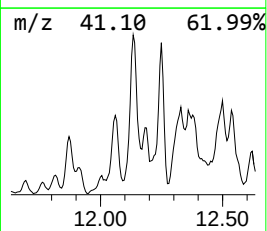
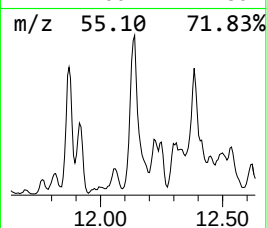
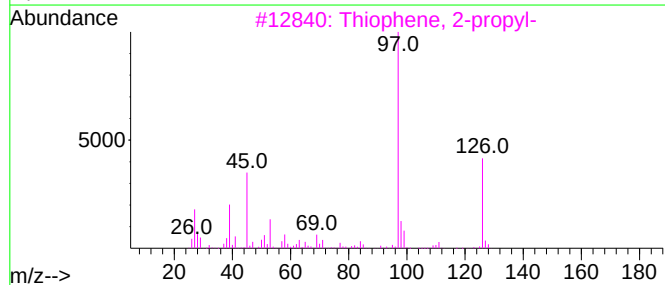
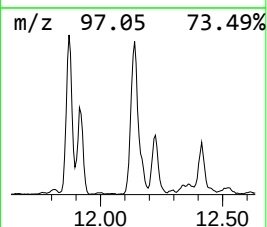
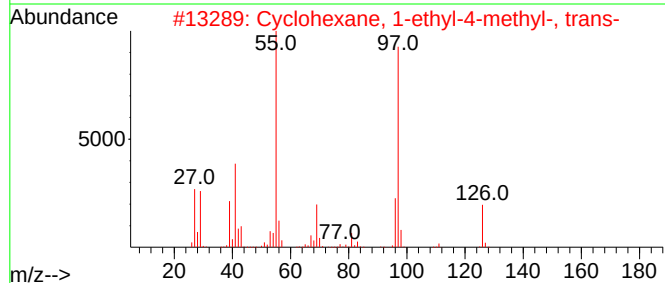
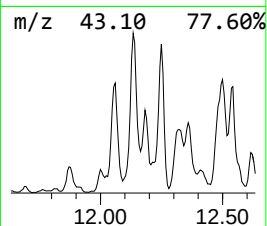
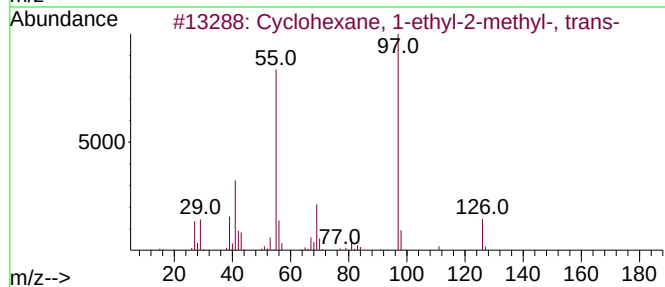
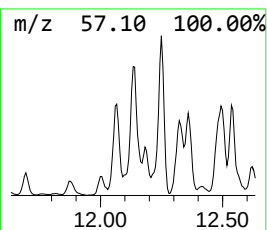
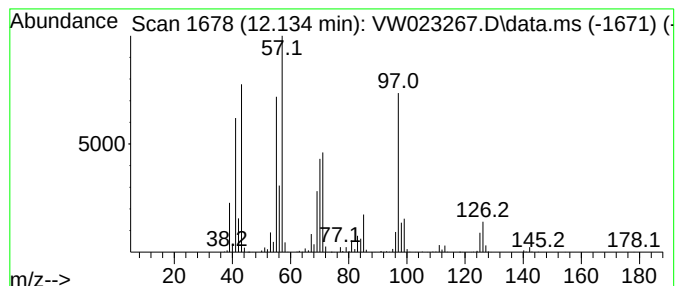
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic12.134 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	38.73 ug/L	1683060	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	38
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	30
3			Thiophene, 2-propyl-	126	C7H10S	001551-27-5	30
4			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30
5			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

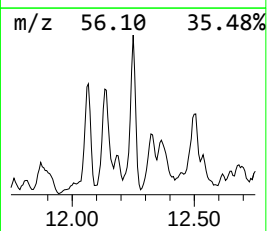
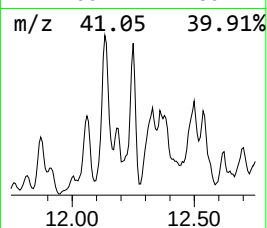
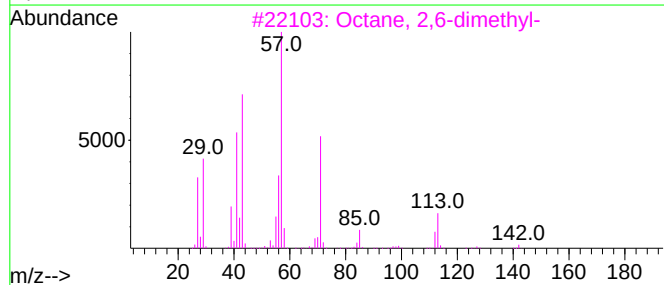
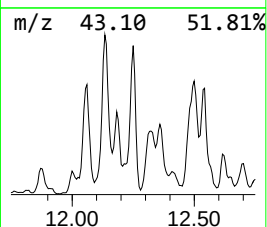
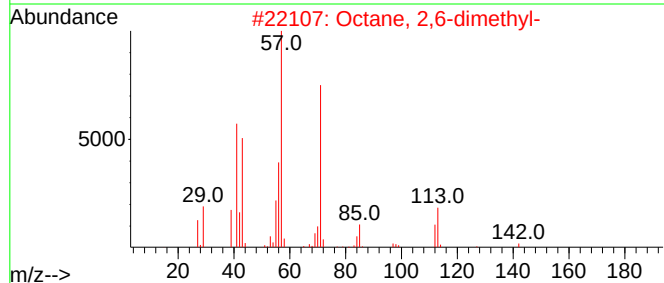
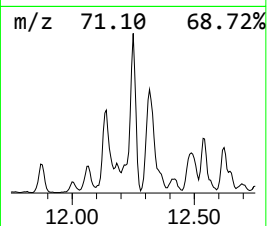
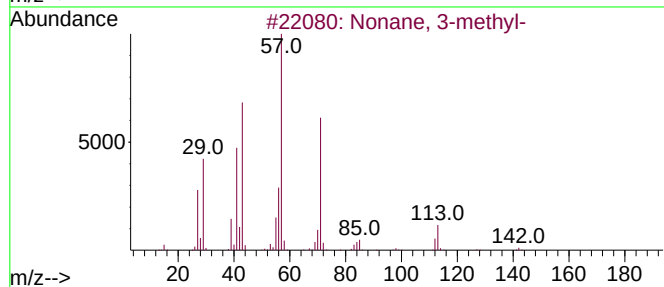
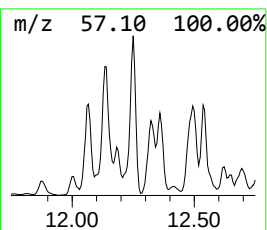
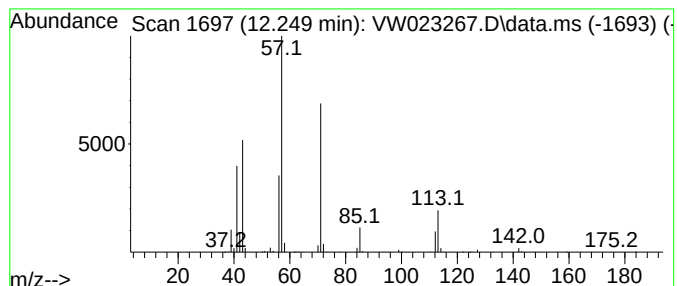
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	21.51 ug/L	934675	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	80
5			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

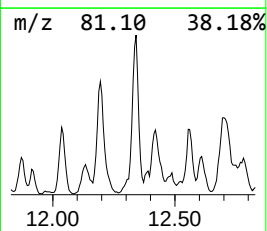
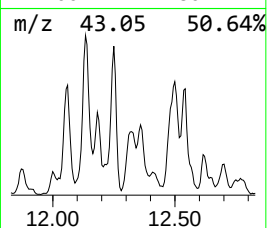
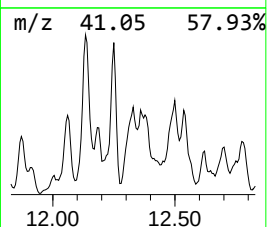
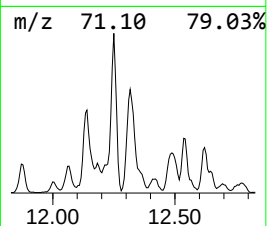
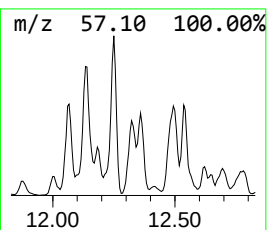
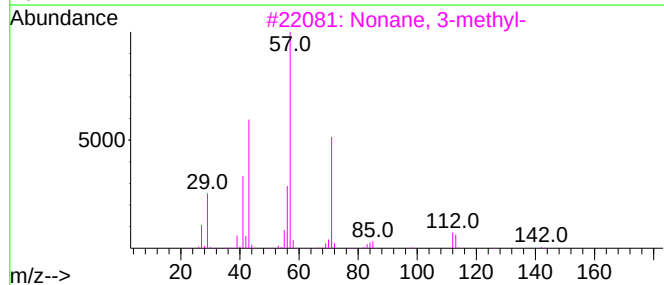
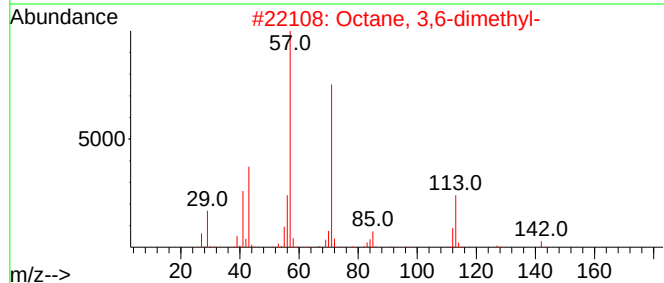
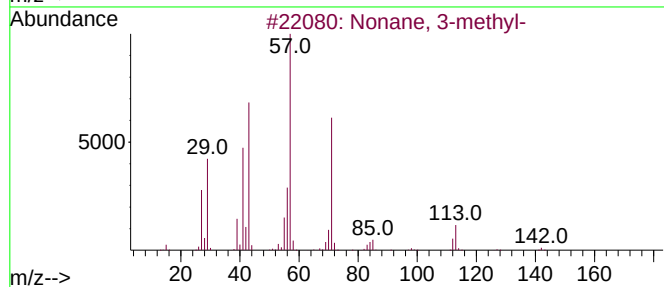
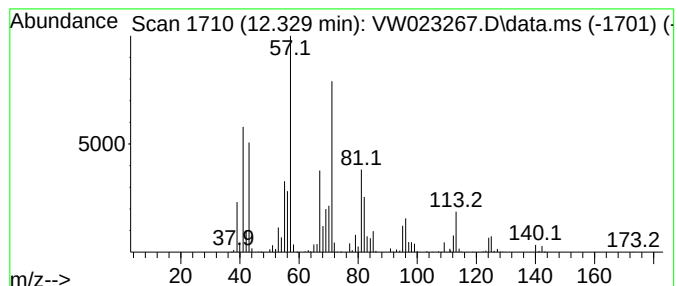
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.329	27.16 ug/L	1180330	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	58
2	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	53
3	Nonane, 3-methyl-		142	C10H22	005911-04-6	52
4	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	50
5	Octane, 3-ethyl-		142	C10H22	005881-17-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

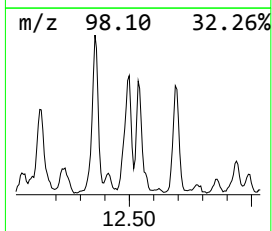
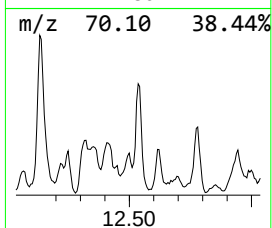
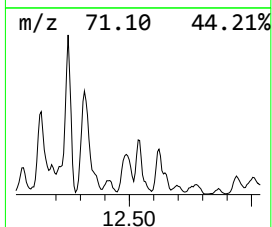
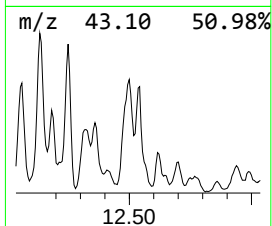
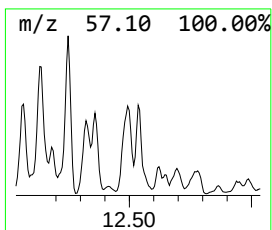
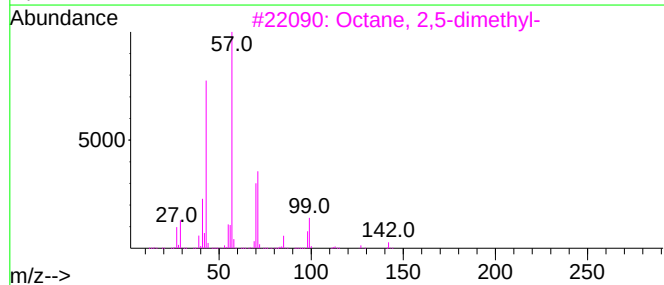
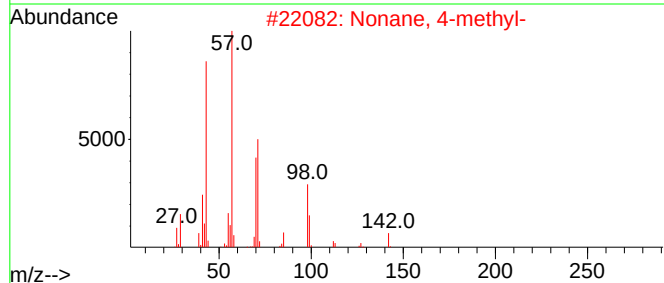
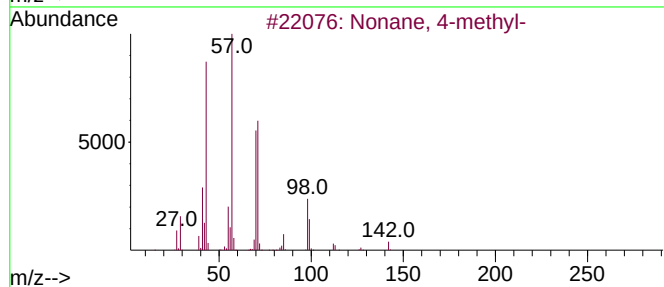
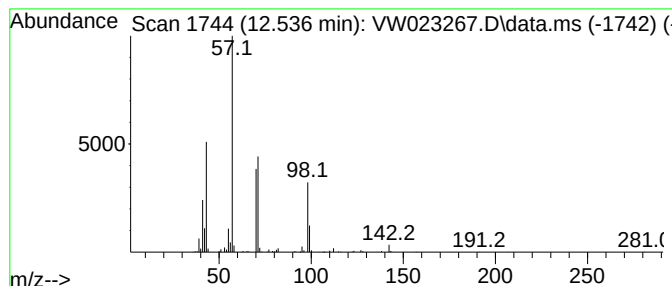
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	13.14 ug/L	571262	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
4		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
5		Diisooamyl ether	158	C10H22O	000544-01-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

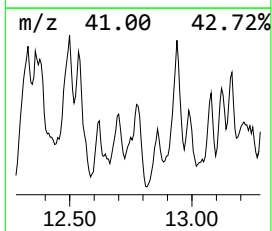
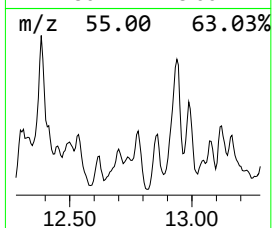
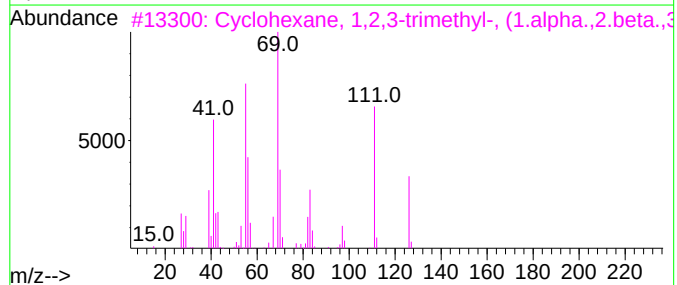
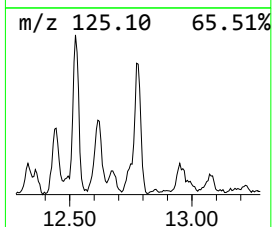
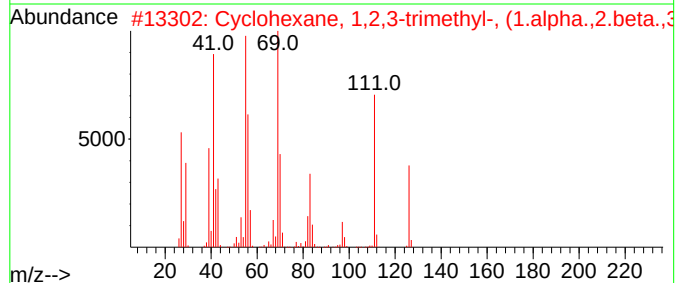
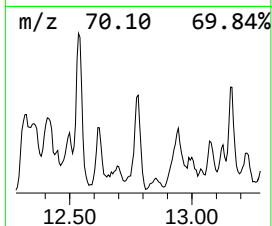
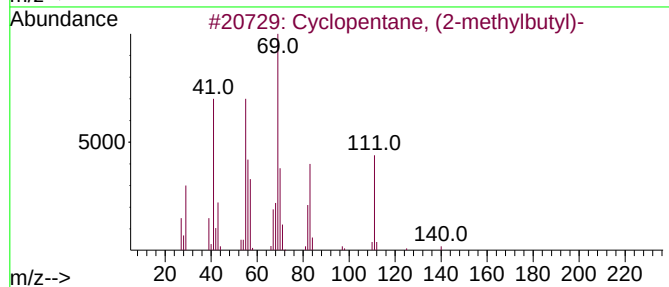
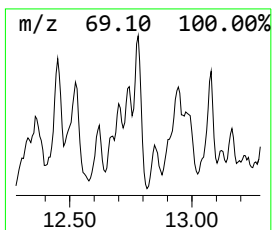
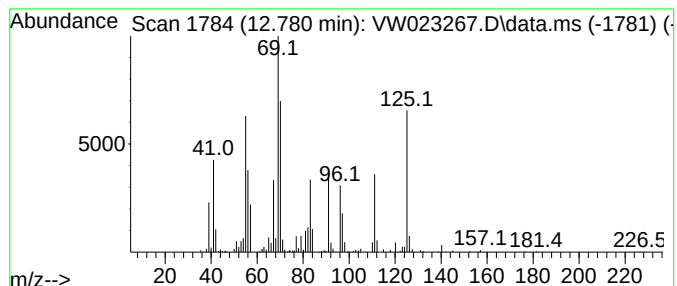
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic12.780 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	12.95 ug/L	634638	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	60
3			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	58
4			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	52
5			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

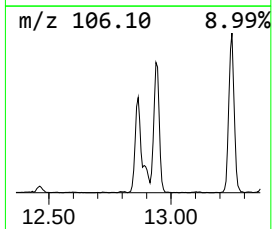
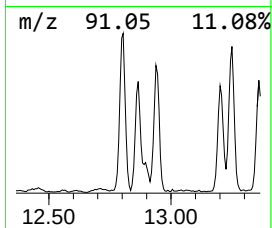
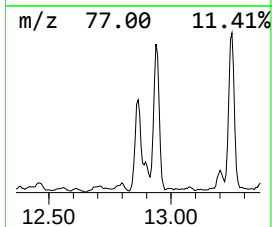
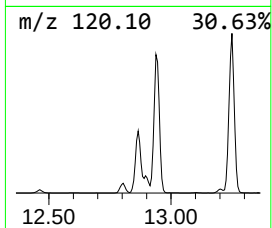
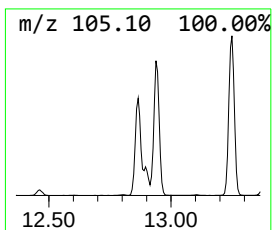
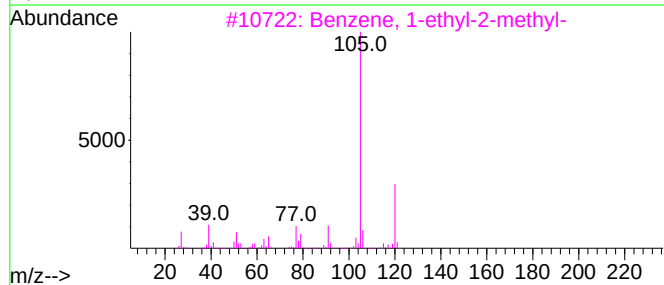
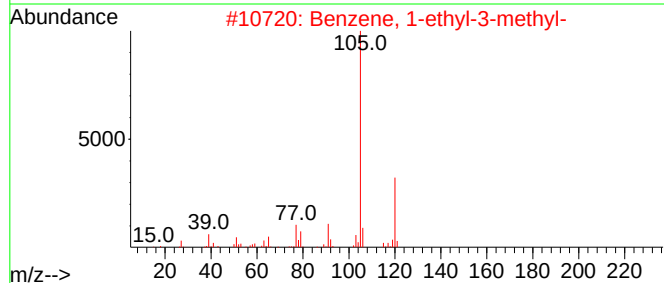
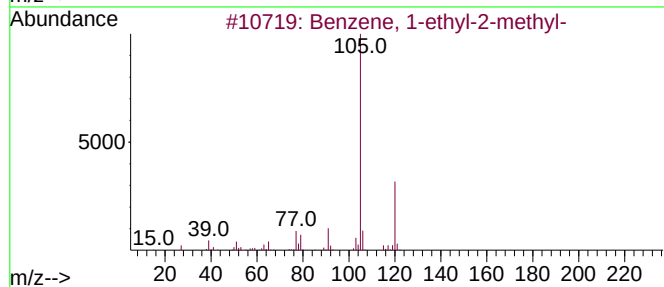
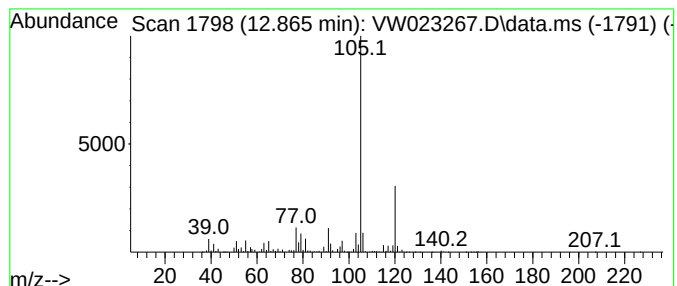
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Quant Title : SFAM01.0

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

Peak Number 19 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	33.90 ug/L	1660890	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

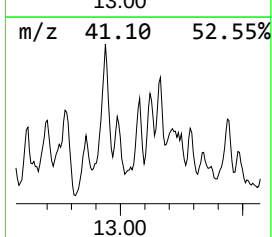
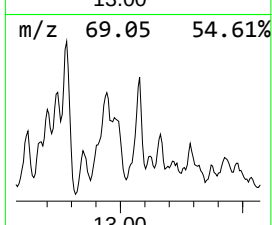
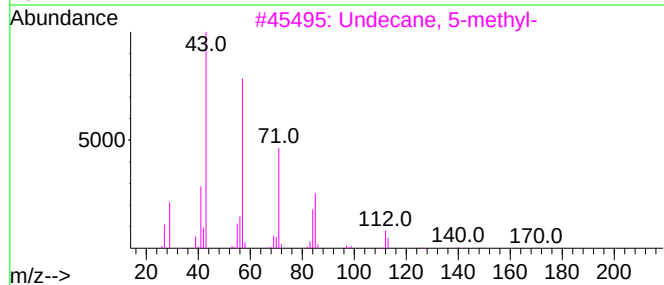
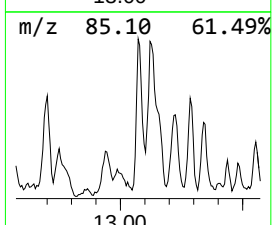
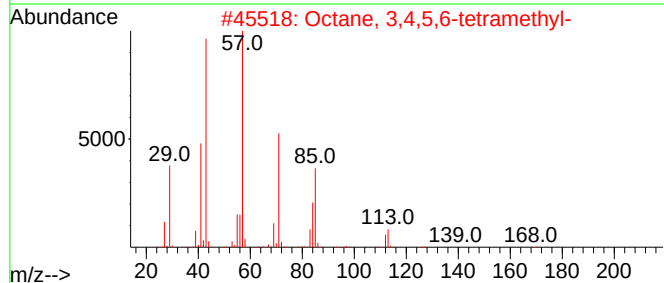
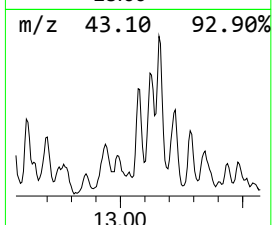
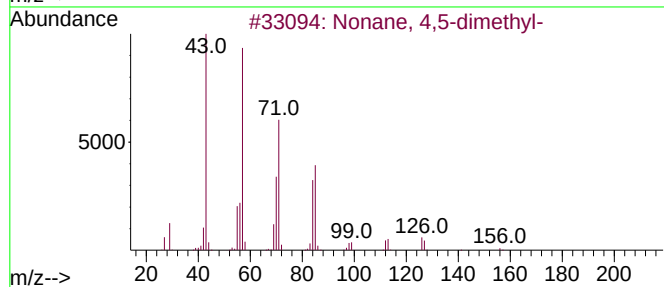
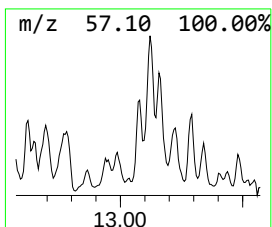
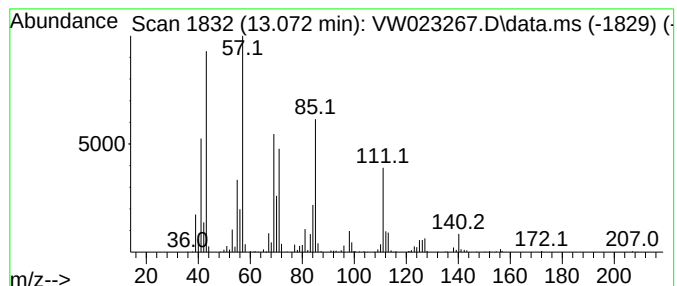
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.072	5.62 ug/L	275427	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	60
2	Octane, 3,4,5,6-tetramethyl-		170	C12H26	062185-21-1	49
3	Undecane, 5-methyl-		170	C12H26	001632-70-8	47
4	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	46
5	Decane, 2,6,7-trimethyl-		184	C13H28	062108-25-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

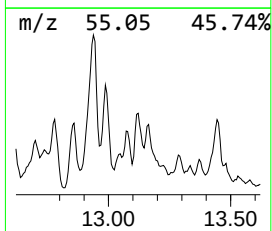
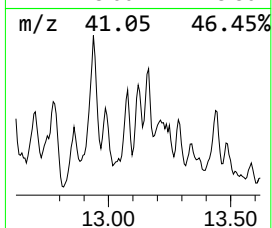
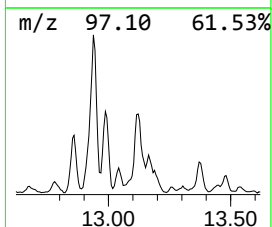
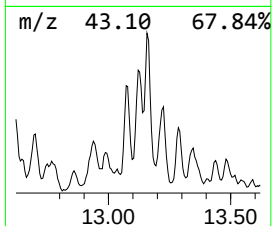
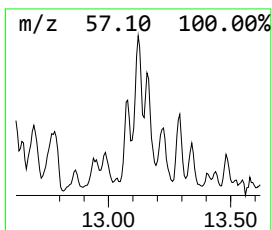
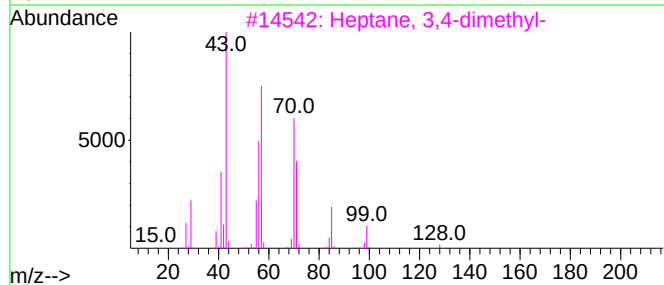
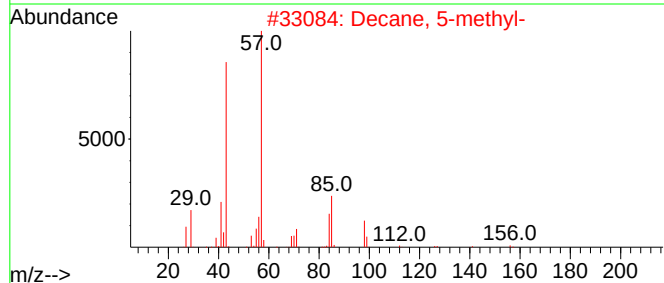
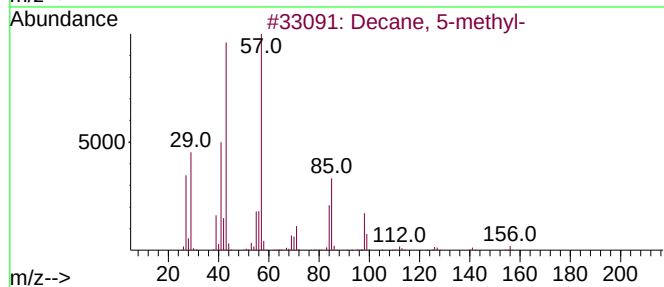
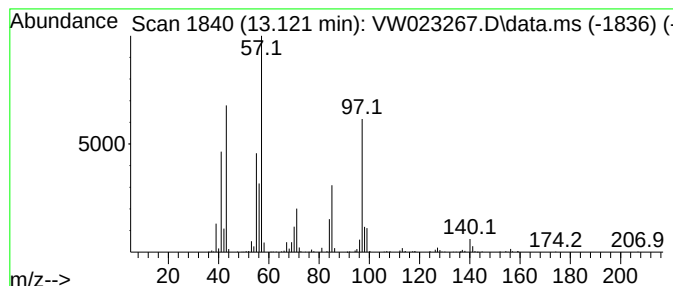
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	6.31 ug/L	309052	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	49
2			Decane, 5-methyl-	156	C11H24	013151-35-4	38
3			Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	38
4			Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	35
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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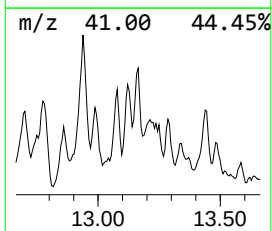
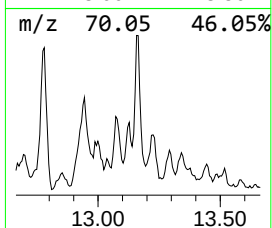
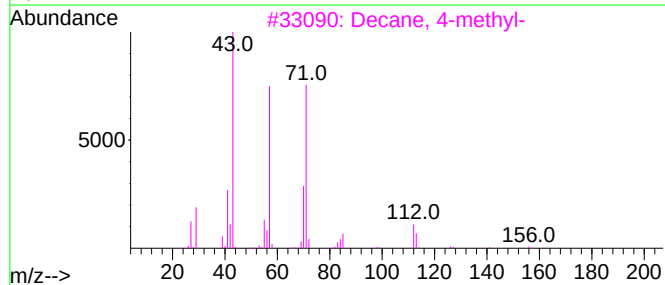
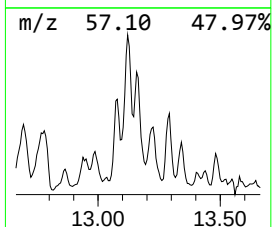
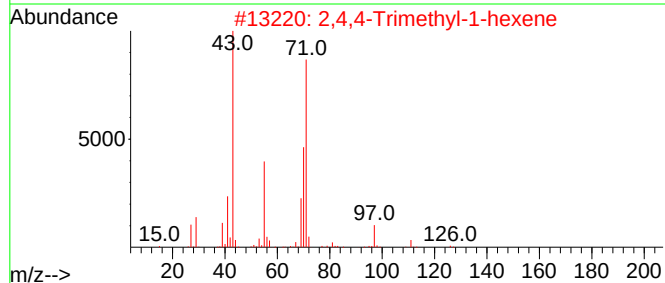
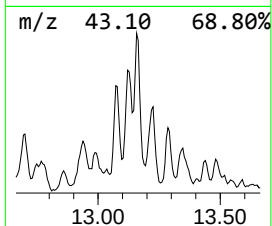
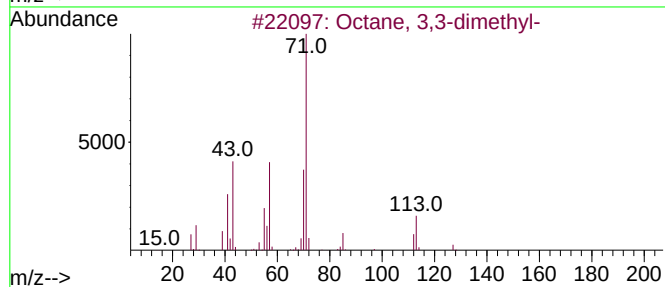
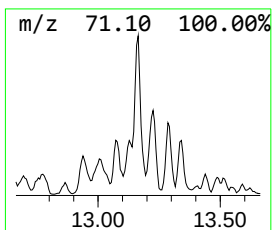
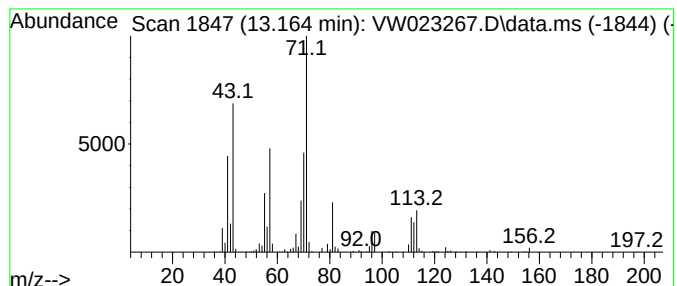
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	4.70 ug/L	230404	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
2			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	53
3			Decane, 4-methyl-	156	C11H24	002847-72-5	53
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5			1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

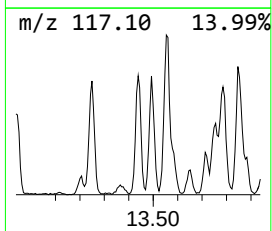
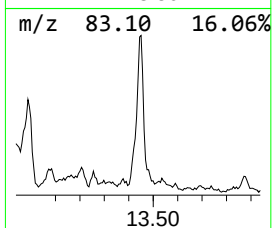
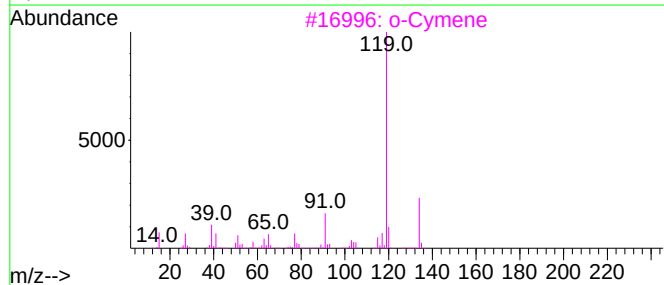
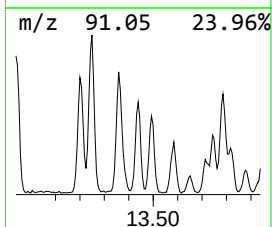
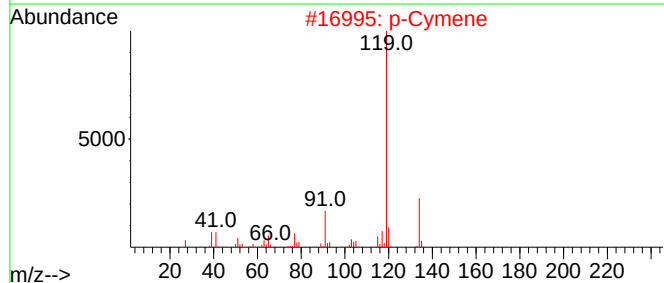
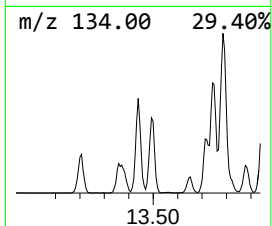
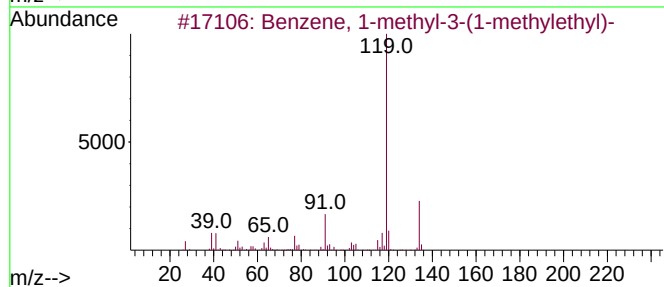
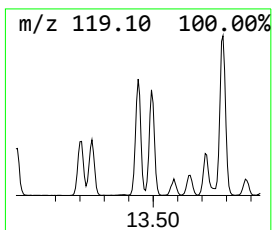
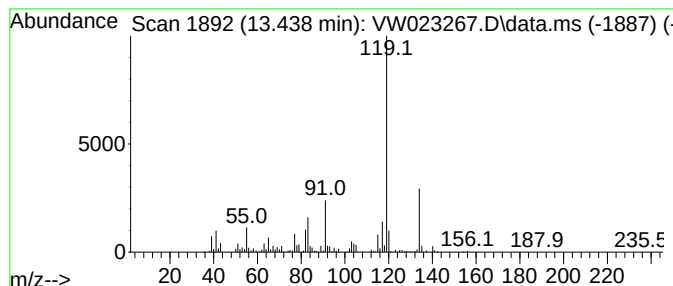
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.438	14.62 ug/L	716160	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	95
2	p-Cymene		134	C10H14	000099-87-6	95
3	o-Cymene		134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	93
5	p-Cymene		134	C10H14	000099-87-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

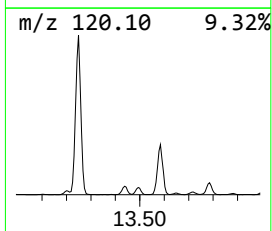
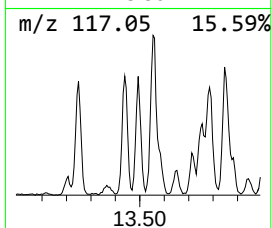
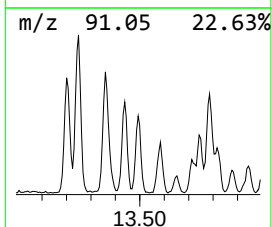
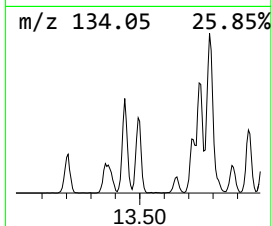
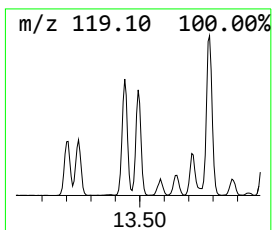
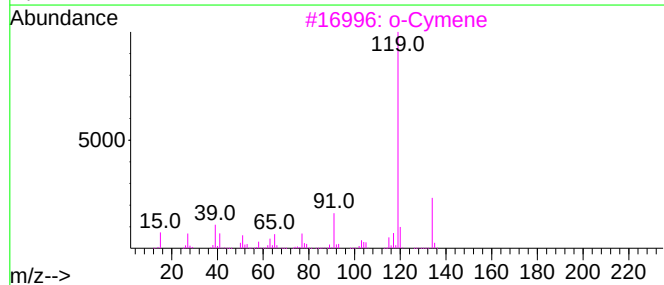
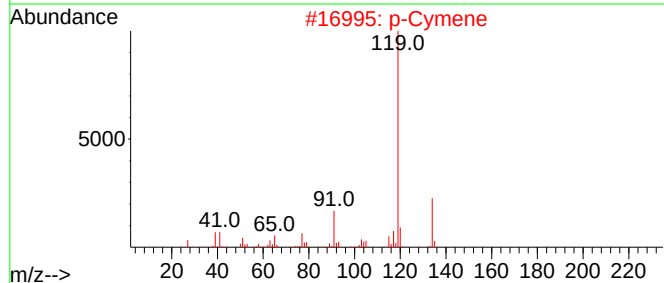
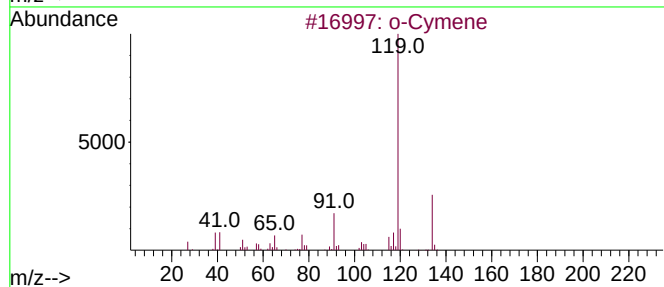
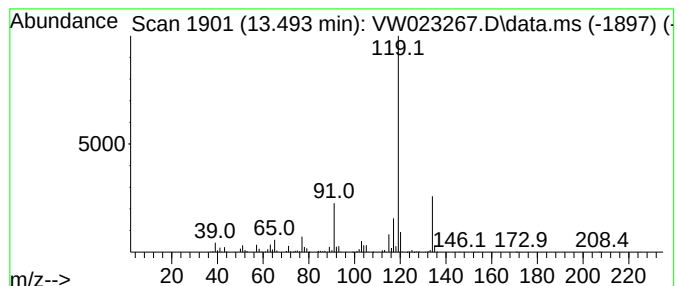
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Quant Title : SFAM01.0

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

Peak Number 24 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	9.90 ug/L	485189	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			p-Cymene	134	C10H14	000099-87-6	97
3			o-Cymene	134	C10H14	000527-84-4	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

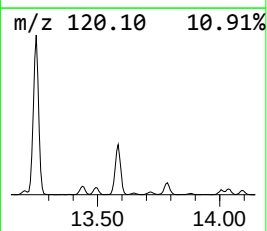
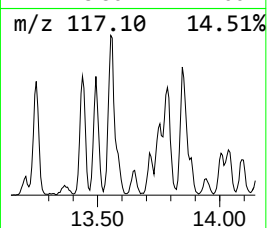
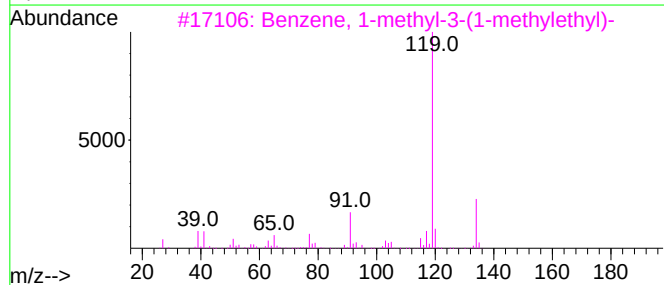
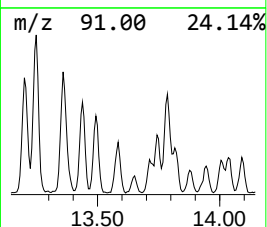
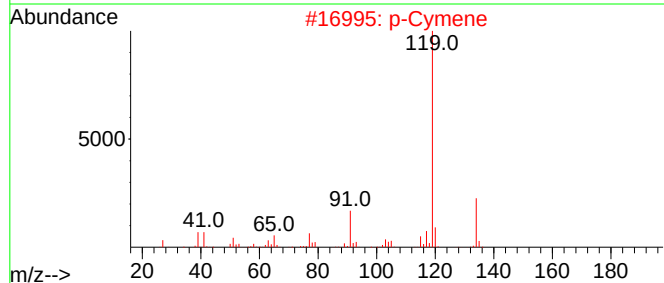
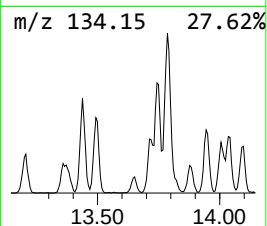
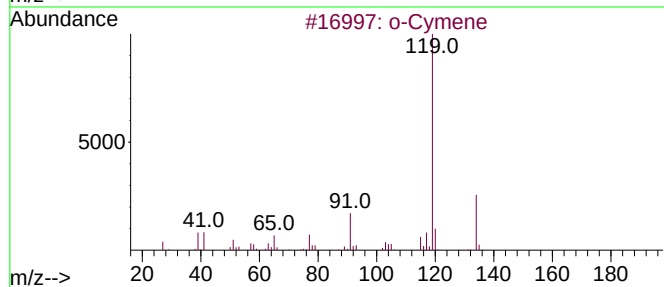
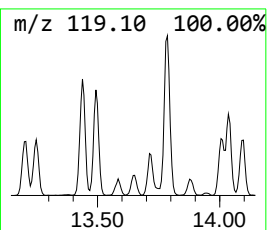
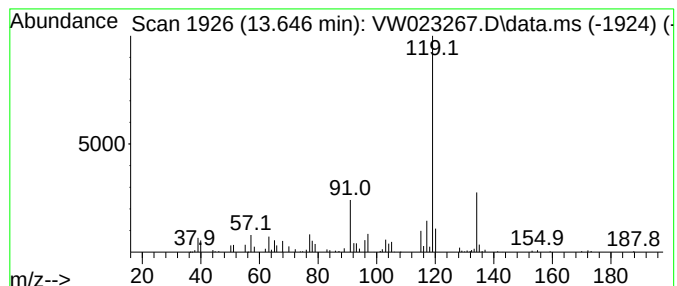
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Quant Title : SFAM01.0

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

Peak Number 25 p-Cymene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.646	1.40 ug/L	68448	1,4-Dichlorobenzene-d4	13.554

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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4			o-Cymene	134	C10H14	000527-84-4	94
5			p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

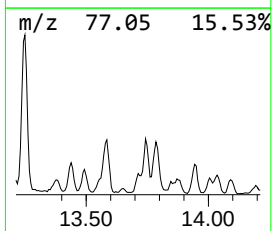
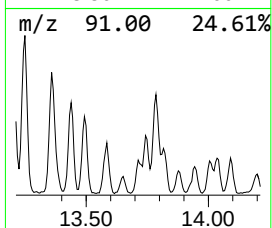
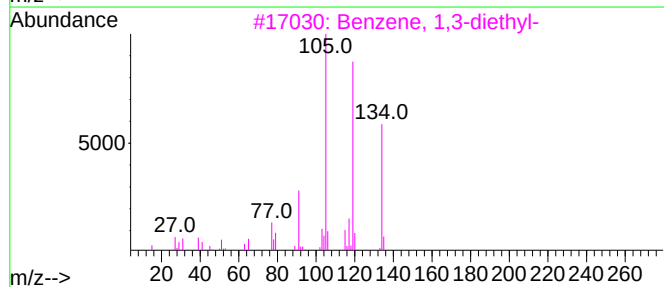
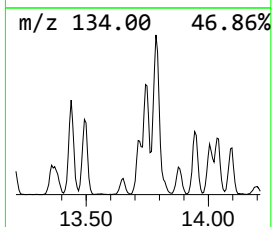
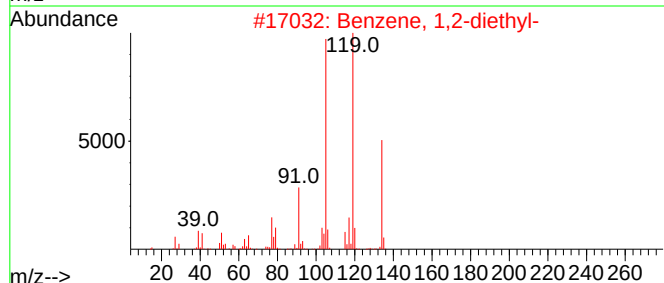
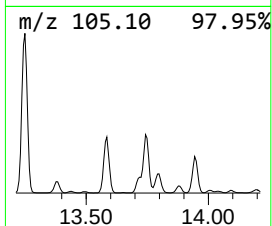
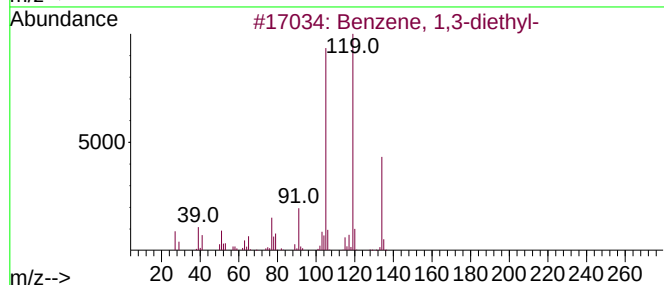
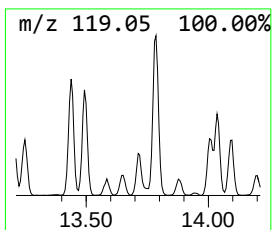
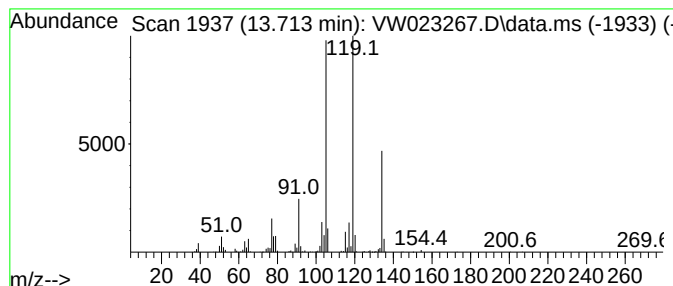
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 1,3-diethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	5.47 ug/L	268148	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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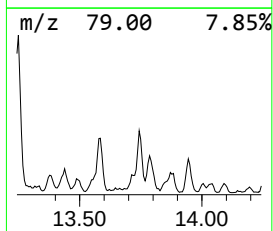
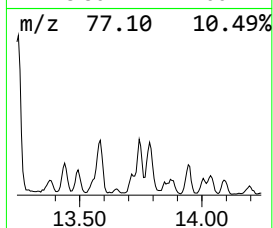
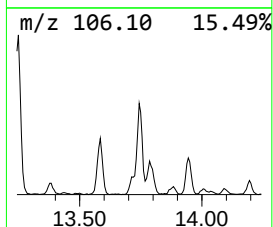
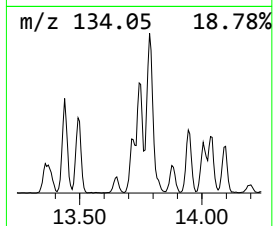
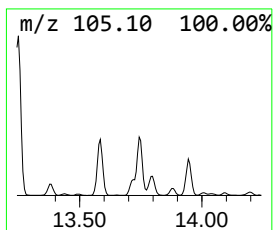
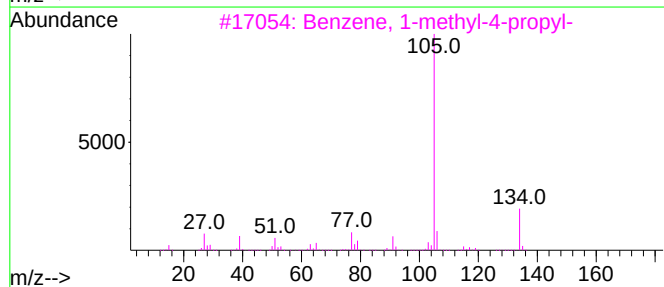
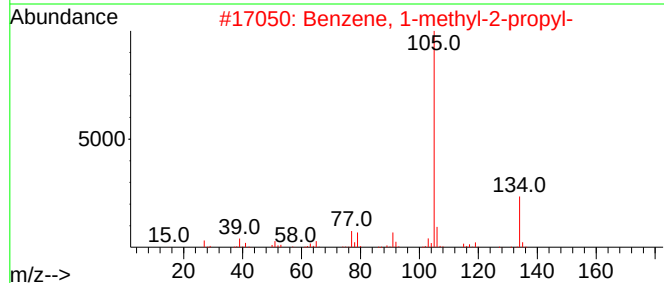
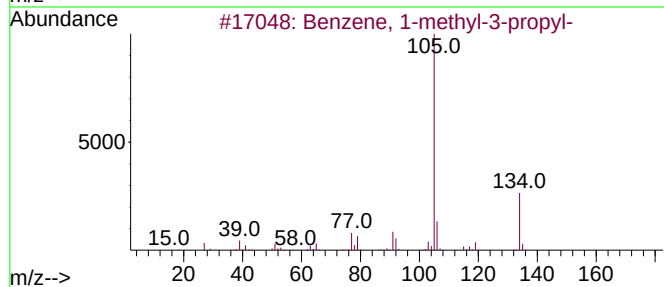
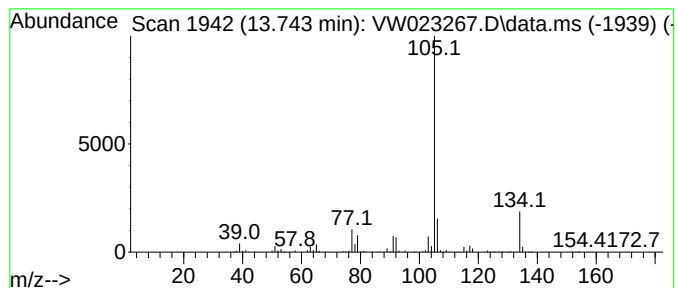
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Quant Title : SFAM01.0

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

Peak Number 27 Benzene, 1-methyl-3-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.743	13.21 ug/L	647358	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

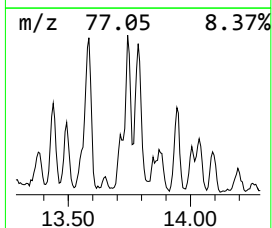
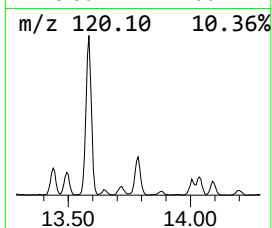
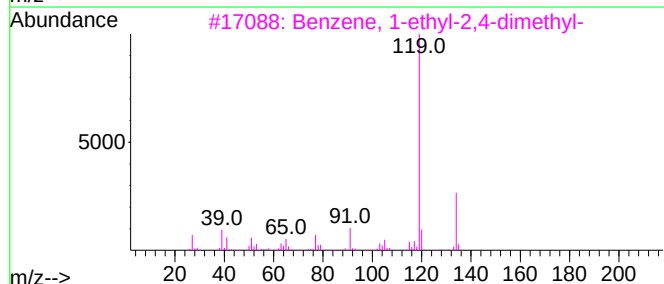
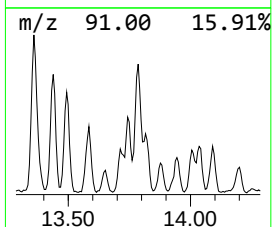
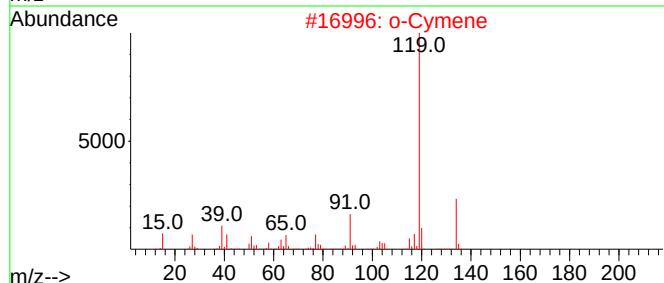
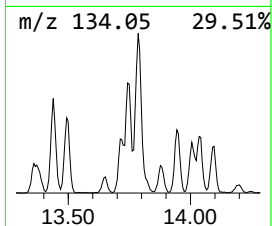
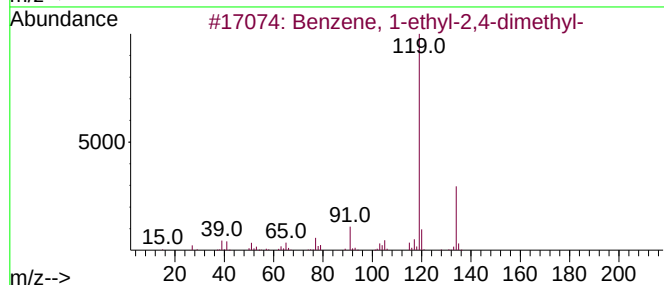
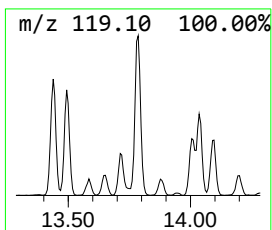
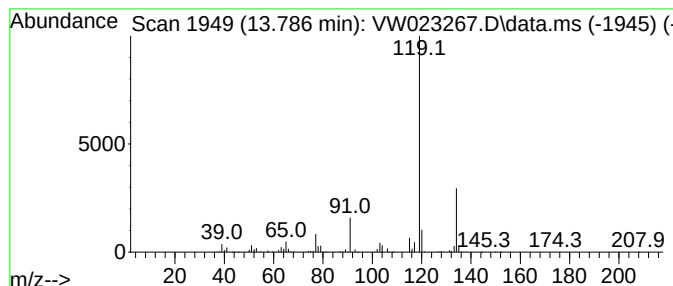
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.786	18.25 ug/L	894105	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-		134	C10H14	000874-41-9	91
2	o-Cymene		134	C10H14	000527-84-4	91
3	Benzene, 1-ethyl-2,4-dimethyl-		134	C10H14	000874-41-9	91
4	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	91
5	Benzene, 2-ethyl-1,4-dimethyl-		134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

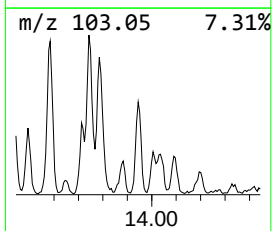
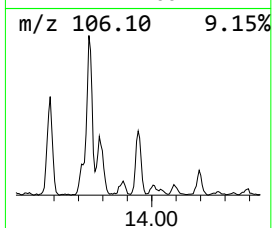
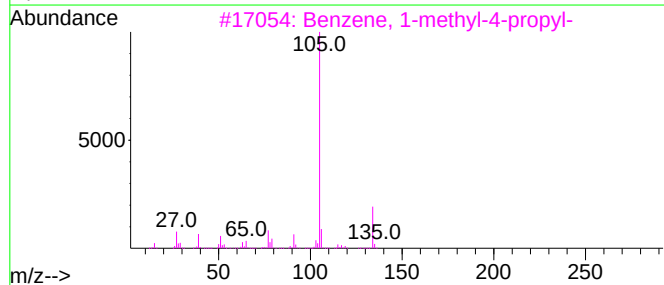
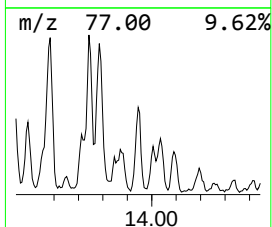
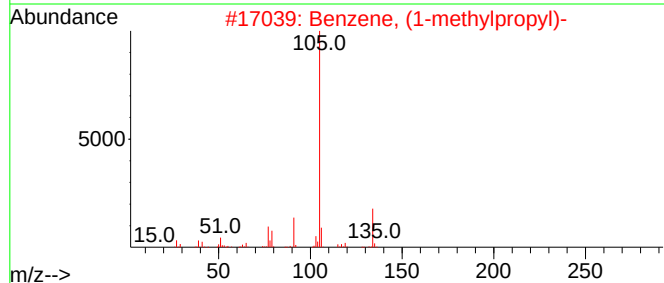
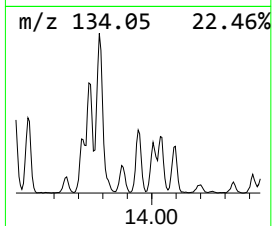
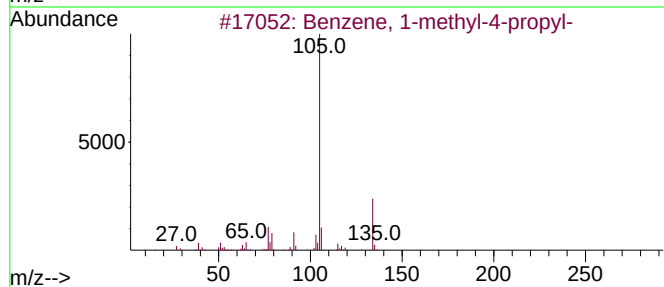
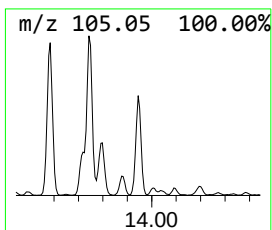
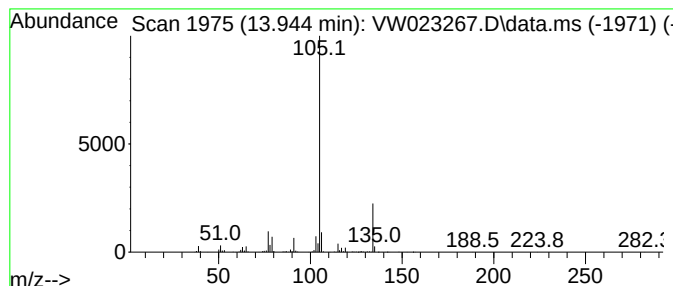
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Quant Title : SFAM01.0

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

Peak Number 29 Benzene, 1-methyl-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	6.63 ug/L	324892	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

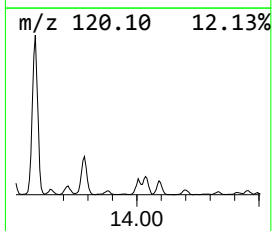
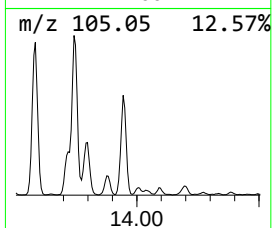
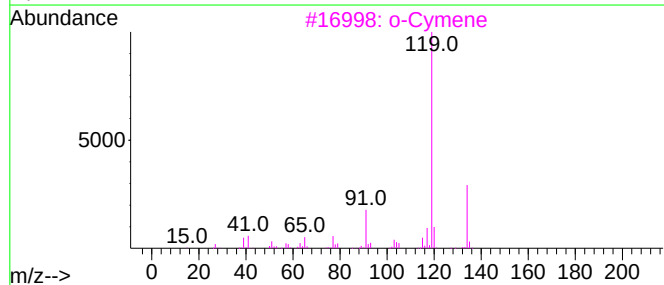
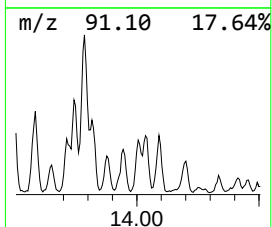
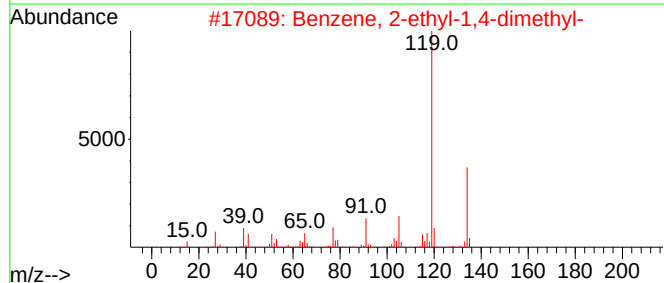
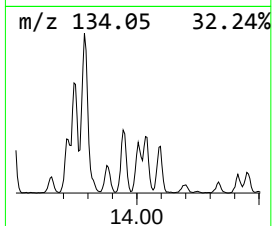
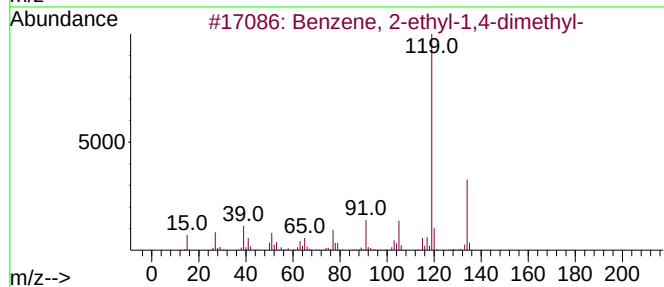
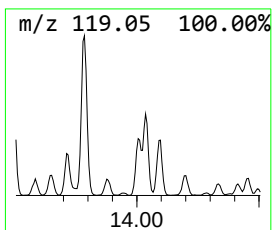
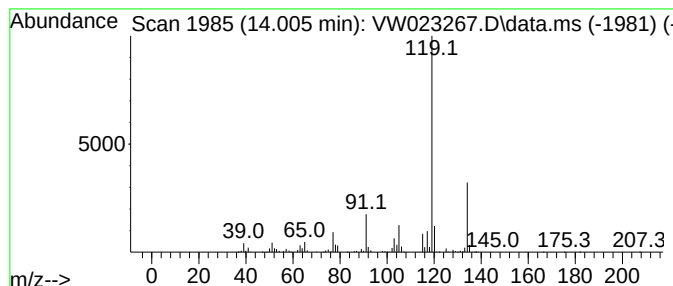
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Quant Title : SFAM01.0

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

Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	4.65 ug/L	227897	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

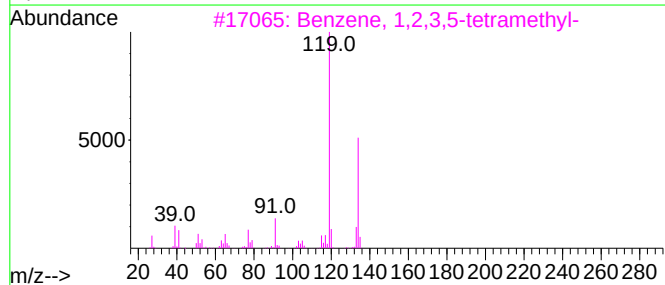
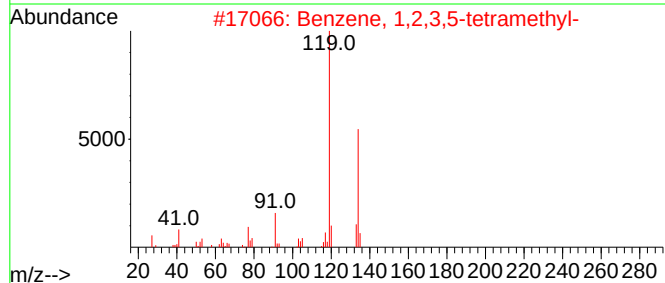
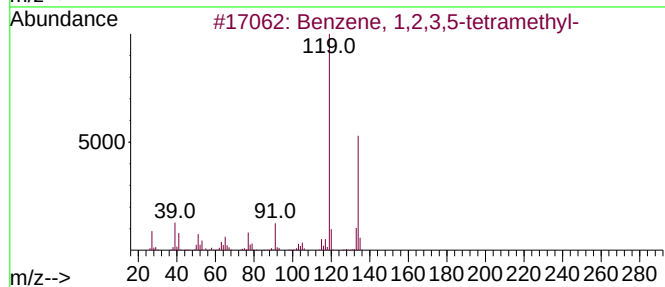
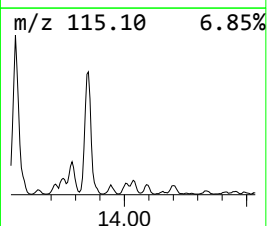
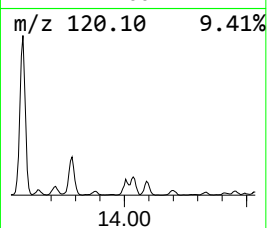
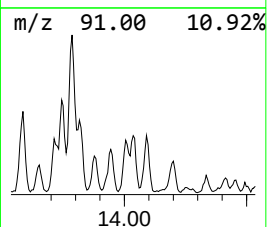
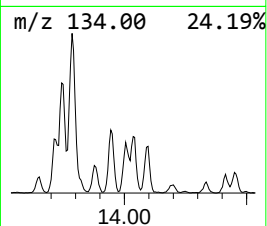
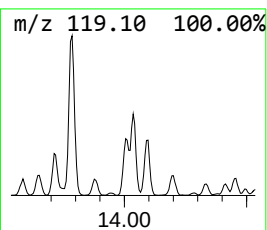
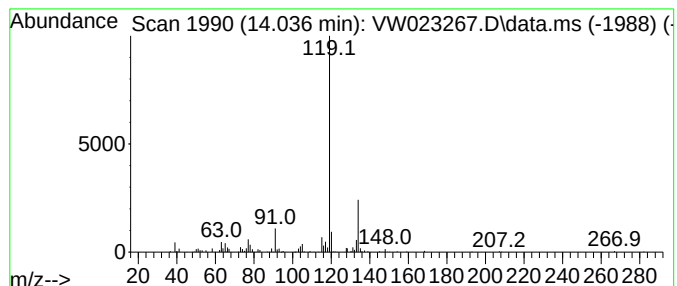
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	7.21 ug/L	353132	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

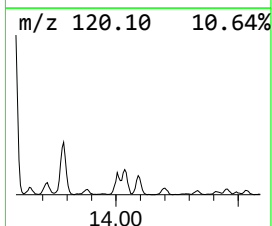
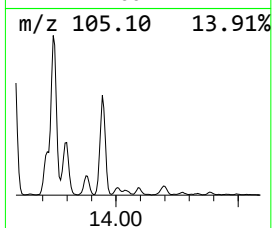
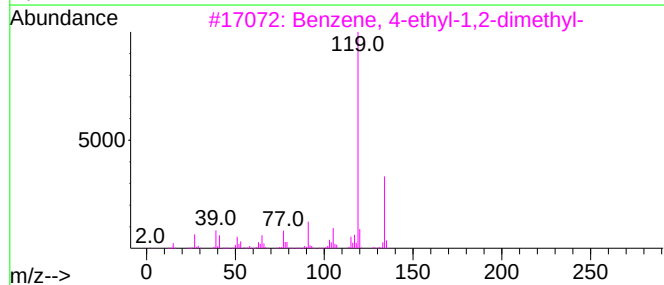
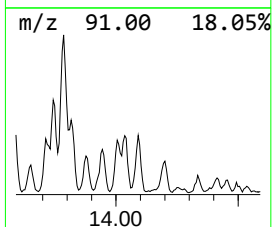
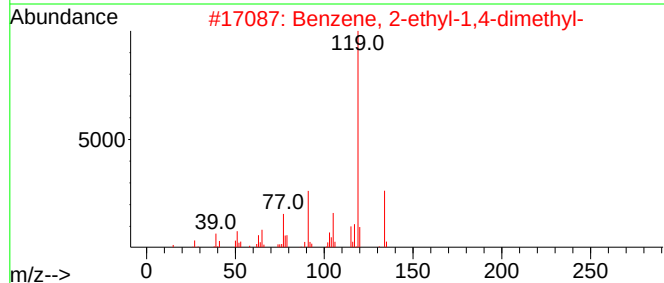
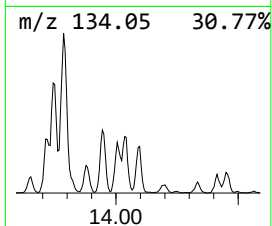
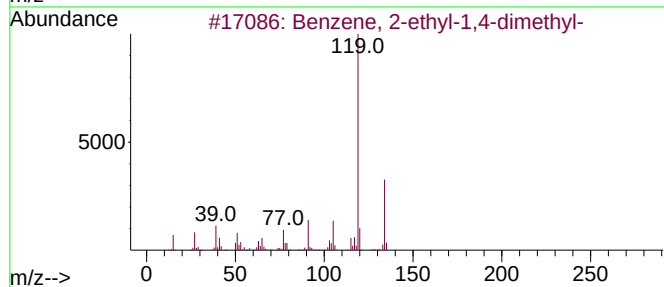
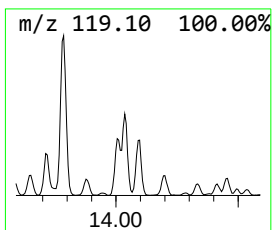
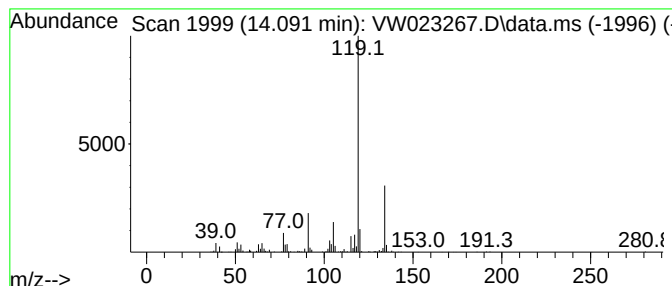
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	5.80 ug/L	284345	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

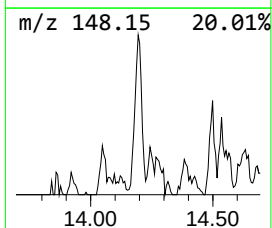
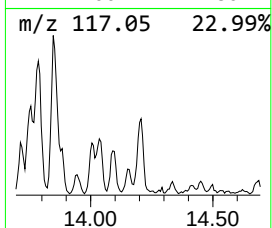
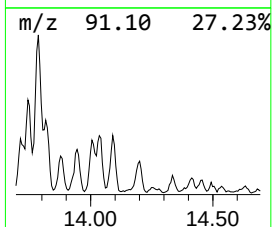
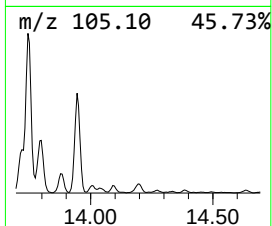
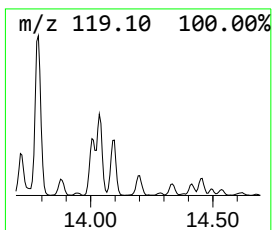
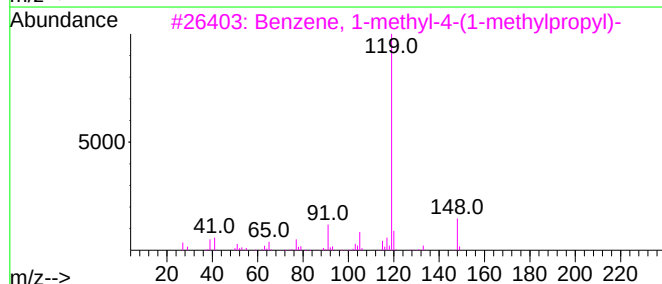
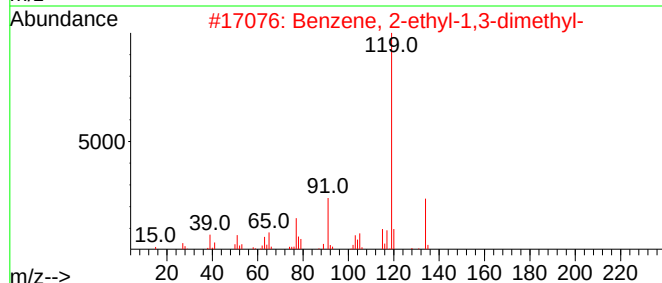
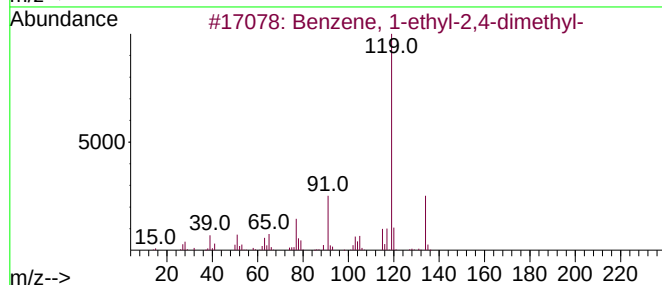
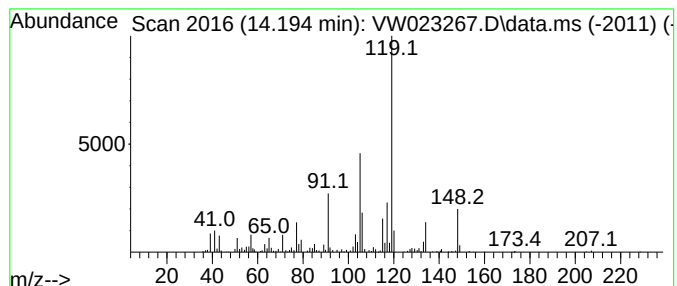
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	3.48 ug/L	170678	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

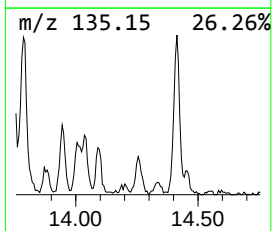
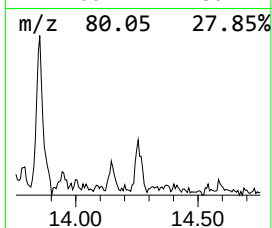
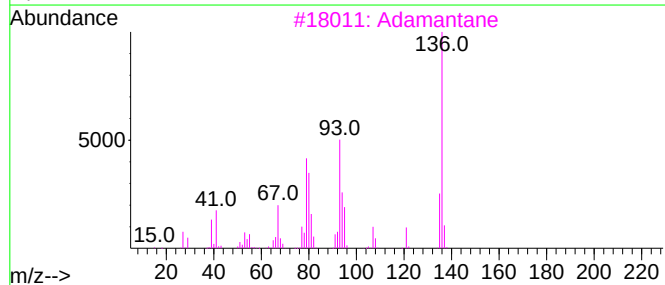
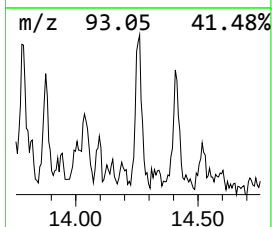
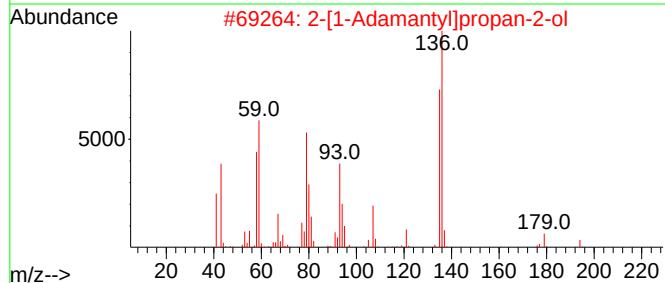
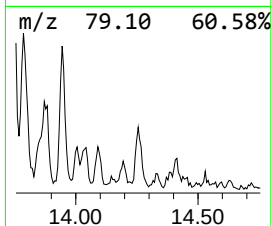
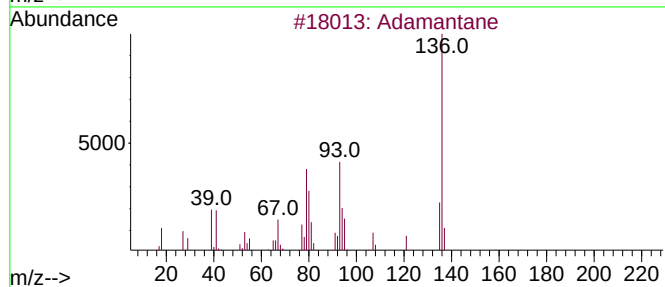
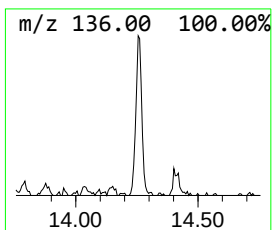
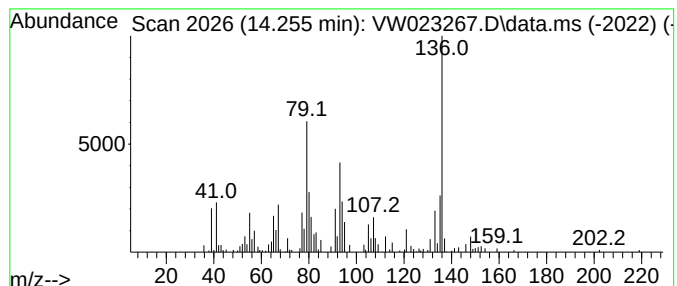
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Quant Title : SFAM01.0

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

Peak Number 34 Adamantane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	1.70 ug/L	83237	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane	136	C10H16	000281-23-2	91
2			2-[1-Adamantyl]propan-2-ol	194	C13H22O	000775-64-4	80
3			Adamantane	136	C10H16	000281-23-2	64
4			3-Undecen-1-yne, (Z)-	150	C11H18	074744-32-4	60
5			Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	000497-32-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

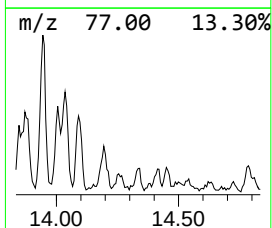
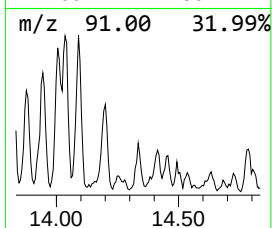
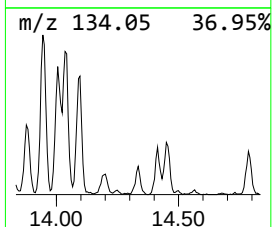
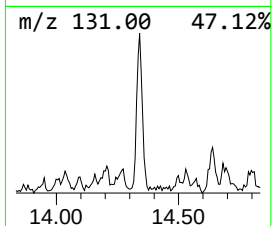
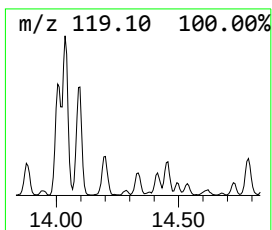
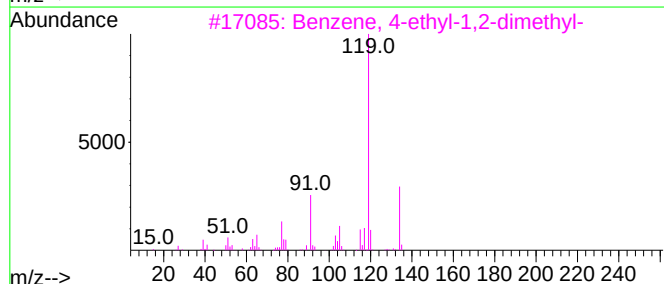
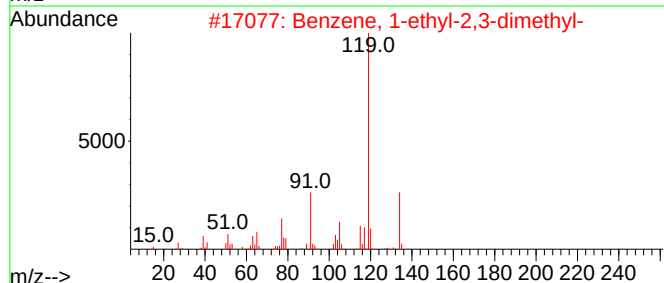
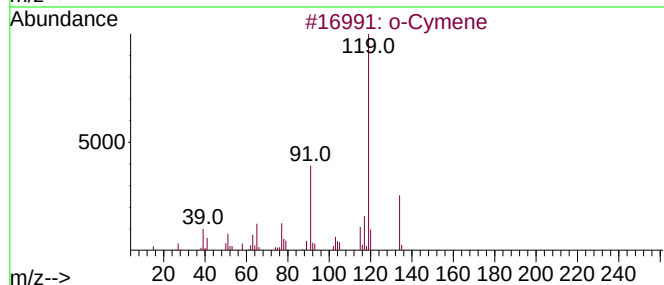
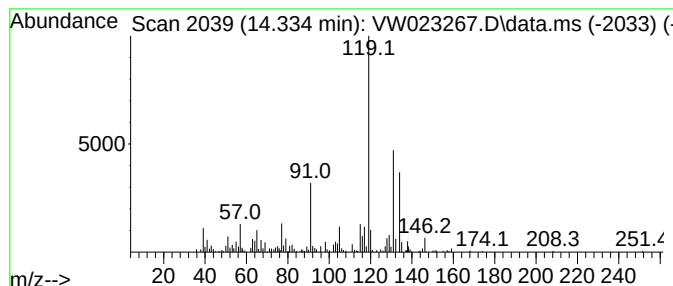
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Quant Title : SFAM01.0

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

Peak Number 35 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	2.12 ug/L	104027	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	92
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83
4			1,3,8-p-Menthatriene	134	C10H14	018368-95-1	70
5			o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

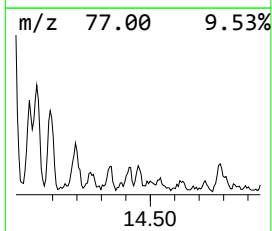
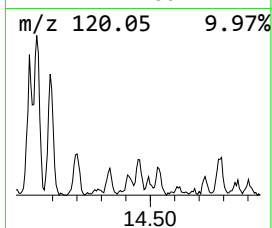
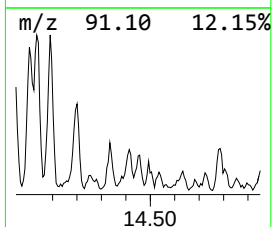
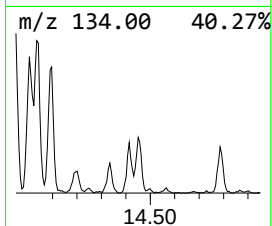
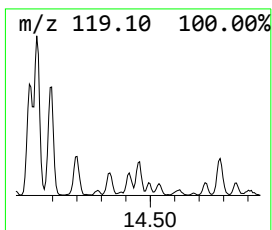
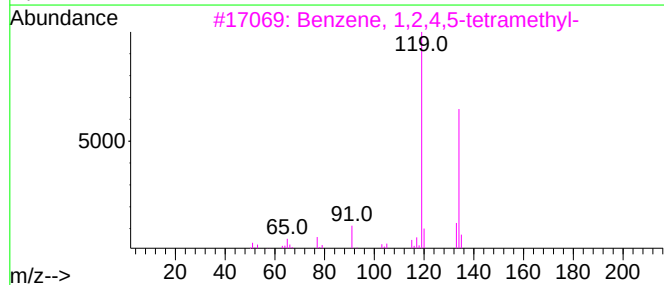
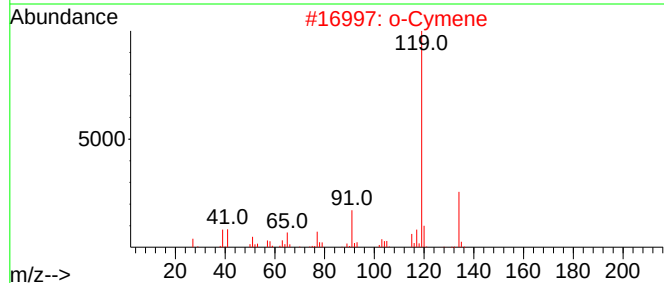
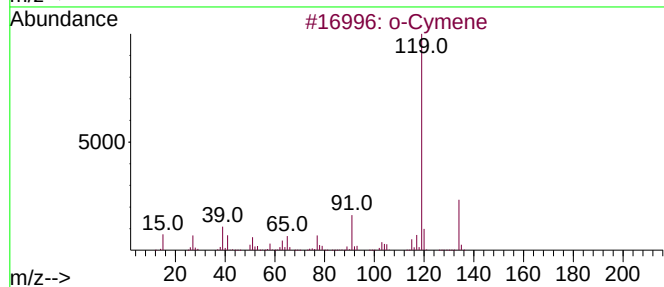
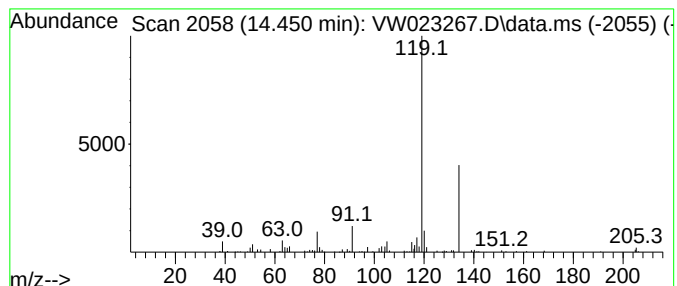
Instrument :
MSVOA_W
ClientSampleId :
GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.450	1.31 ug/L	63959	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	91
2	o-Cymene		134	C10H14	000527-84-4	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, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

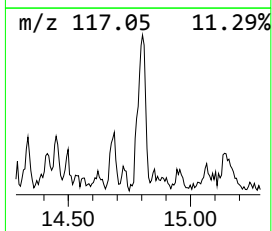
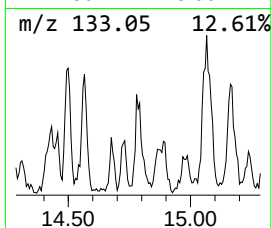
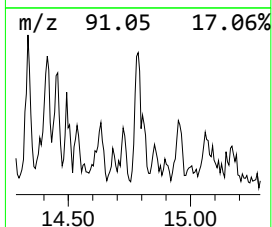
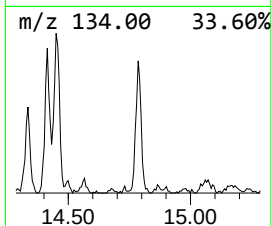
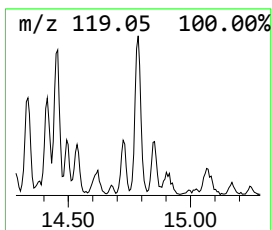
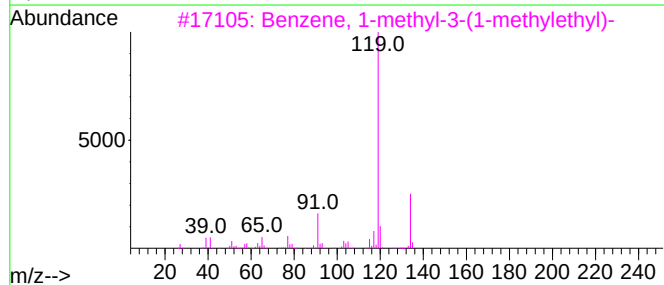
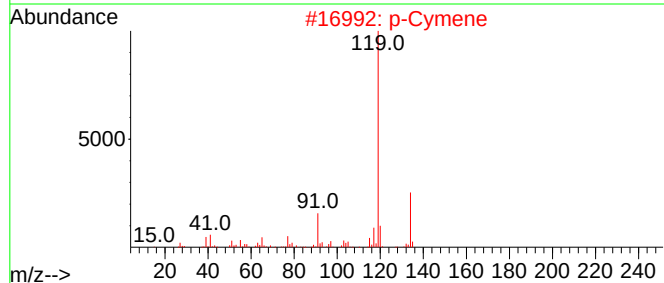
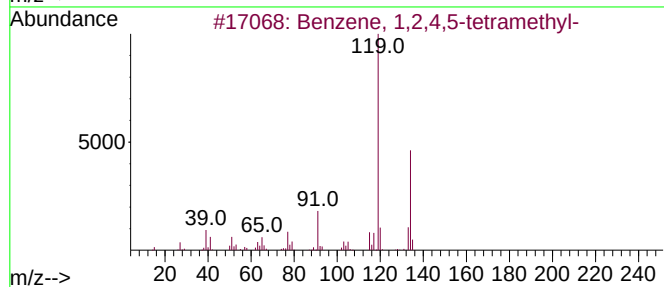
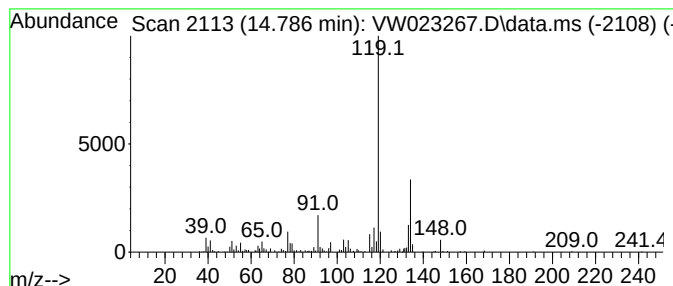
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Quant Title : SFAM01.0

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

Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	3.08 ug/L	150757	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			p-Cymene	134	C10H14	000099-87-6	93
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

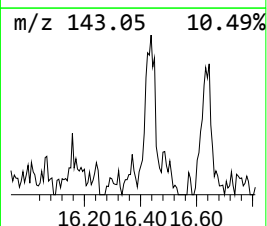
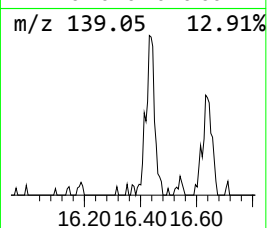
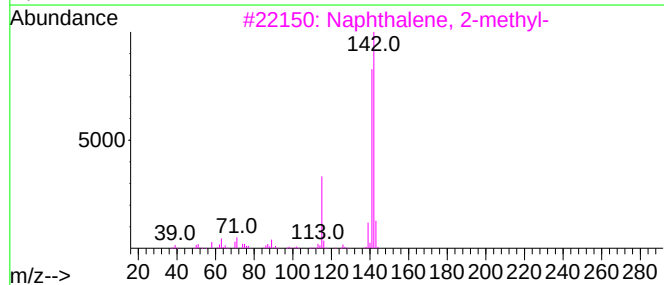
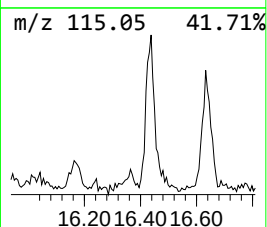
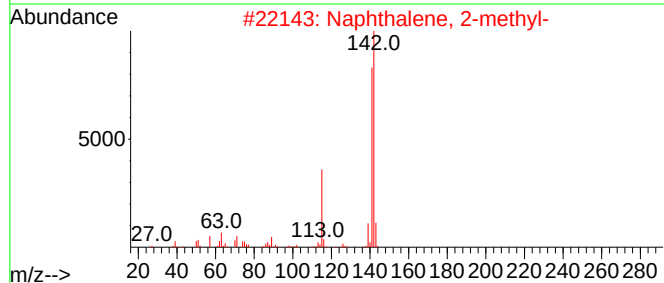
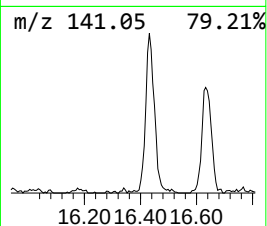
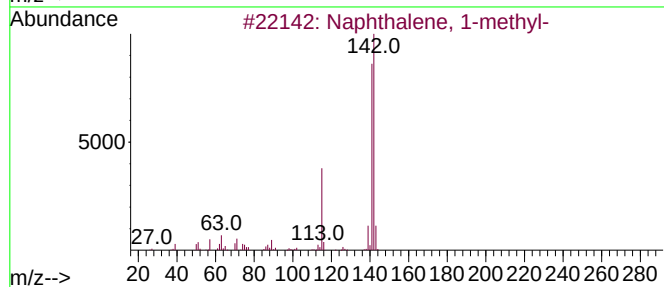
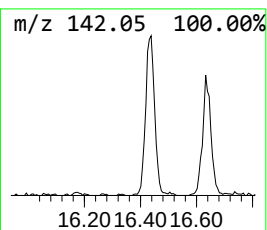
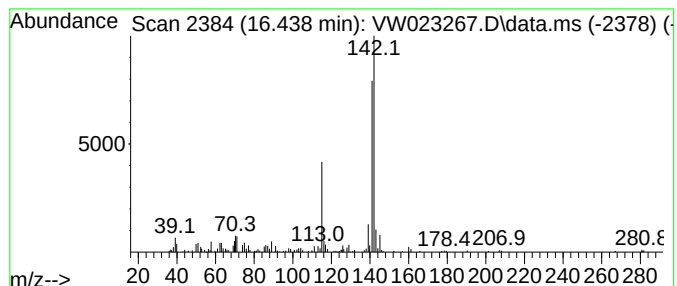
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Quant Title : SFAM01.0

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

Peak Number 38 Naphthalene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	2.25 ug/L	110174	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
Data File : VW023267.D
Acq On : 24 May 2022 13:11
Operator : SY/VA
Sample : N2996-05
Misc : 6.53g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBGS8

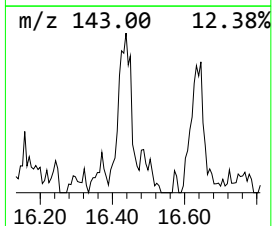
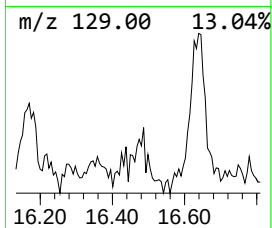
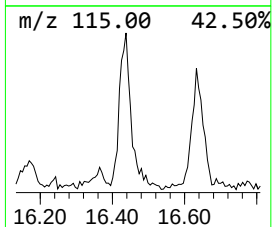
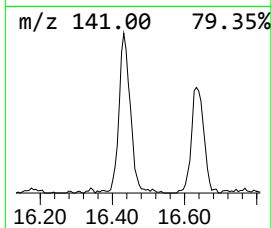
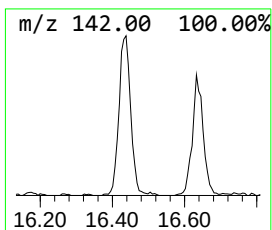
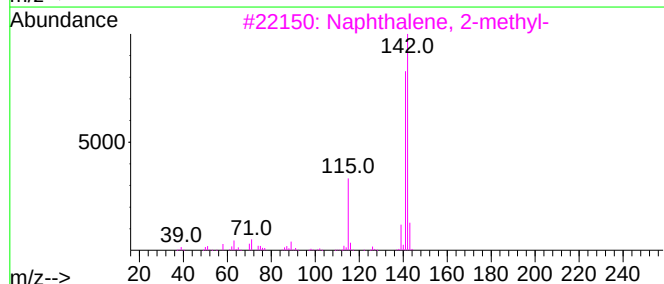
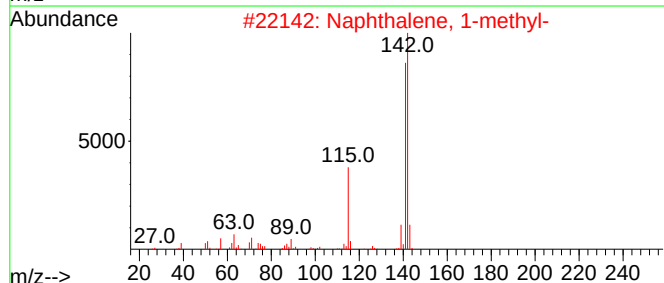
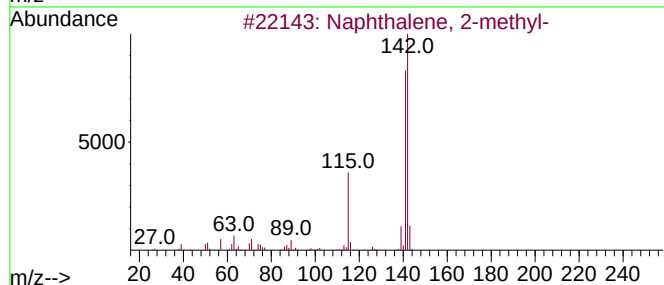
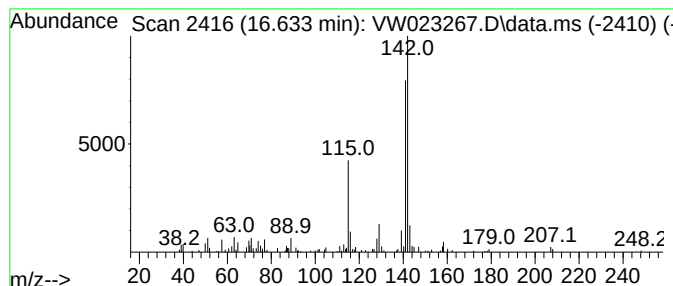
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Quant Title : SFAM01.0

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

Peak Number 39 Naphthalene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.633	1.53 ug/L	74742	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052422\
 Data File : VW023267.D
 Acq On : 24 May 2022 13:11
 Operator : SY/VA
 Sample : N2996-05
 Misc : 6.53g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBGS8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.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...	11.402	1.8	ug/L	78893	2	11.628	1086490	25.0
(DEL) Alkane: S...	11.512	6.3	ug/L	272314	2	11.628	1086490	25.0
(DEL) Alkane: S...	11.695	1.7	ug/L	75727	2	11.628	1086490	25.0
(DEL) Alkane: C...	11.762	2.1	ug/L	91830	2	11.628	1086490	25.0
(DEL) Alkane: C...	11.817	3.7	ug/L	161314	2	11.628	1086490	25.0
(DEL) Alkane: C...	11.871	13.8	ug/L	598117	2	11.628	1086490	25.0
Ethanone, 1-(1-...	11.914	6.0	ug/L	259767	2	11.628	1086490	25.0
(DEL) Alkane: S...	12.006	3.8	ug/L	163724	2	11.628	1086490	25.0
(DEL) Alkane: S...	12.060	13.2	ug/L	572080	2	11.628	1086490	25.0
(DEL) Alkane: C...	12.134	38.7	ug/L	1683060	2	11.628	1086490	25.0
(DEL) Alkane: S...	12.249	21.5	ug/L	934675	2	11.628	1086490	25.0
(DEL) Alkane: S...	12.329	27.2	ug/L	1180330	2	11.628	1086490	25.0
(DEL) Alkane: S...	12.536	13.1	ug/L	571262	2	11.628	1086490	25.0
(DEL) Alkane: C...	12.780	12.9	ug/L	634638	3	13.554	1224830	25.0
Benzene, 1-ethy...	12.865	33.9	ug/L	1660890	3	13.554	1224830	25.0
(DEL) Alkane: S...	13.072	5.6	ug/L	275427	3	13.554	1224830	25.0
(DEL) Alkane: S...	13.121	6.3	ug/L	309052	3	13.554	1224830	25.0
(DEL) Alkane: S...	13.164	4.7	ug/L	230404	3	13.554	1224830	25.0
Benzene, 1-meth...	13.438	14.6	ug/L	716160	3	13.554	1224830	25.0
o-Cymene	13.493	9.9	ug/L	485189	3	13.554	1224830	25.0
p-Cymene	13.646	1.4	ug/L	68448	3	13.554	1224830	25.0
Benzene, 1,3-di...	13.713	5.5	ug/L	268148	3	13.554	1224830	25.0
Benzene, 1-meth...	13.743	13.2	ug/L	647358	3	13.554	1224830	25.0
Benzene, 1-ethy...	13.786	18.3	ug/L	894105	3	13.554	1224830	25.0
Benzene, 1-meth...	13.944	6.6	ug/L	324892	3	13.554	1224830	25.0
Benzene, 2-ethy...	14.005	4.7	ug/L	227897	3	13.554	1224830	25.0
Benzene, 1,2,3,...	14.036	7.2	ug/L	353132	3	13.554	1224830	25.0
Benzene, 4-ethy...	14.091	5.8	ug/L	284345	3	13.554	1224830	25.0
Benzene, 2-ethy...	14.194	3.5	ug/L	170678	3	13.554	1224830	25.0
Adamantane	14.255	1.7	ug/L	83237	3	13.554	1224830	25.0
Benzene, 1-ethy...	14.334	2.1	ug/L	104027	3	13.554	1224830	25.0
Benzene, 1,2,3,...	14.450	1.3	ug/L	63959	3	13.554	1224830	25.0
Benzene, 1,2,4,...	14.786	3.1	ug/L	150757	3	13.554	1224830	25.0
Naphthalene, 1-...	16.438	2.3	ug/L	110174	3	13.554	1224830	25.0
Naphthalene, 2-...	16.633	1.5	ug/L	74742	3	13.554	1224830	25.0