

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021455.D
 Acq On : 18 Dec 2021 05:16
 Operator : SY/VA
 Sample : M5153-05
 Misc : 6.98g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL70

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\SFAMWLM120921SMA.M
 Title : SFAM01.0

Signal : TIC: VW021455.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.166	37	43	53	rBV	29657	85556	5.11%	0.327%
2	2.349	68	73	81	rVB	39745	67270	4.02%	0.257%
3	2.495	91	97	116	rVB	40632	87286	5.21%	0.333%
4	2.879	154	160	170	rVB	21620	45288	2.70%	0.173%
5	4.013	335	346	357	rBV	55279	163106	9.74%	0.623%
6	4.123	357	364	381	rVV	44239	119715	7.15%	0.457%
7	6.903	806	820	830	rBV2	14428	49893	2.98%	0.191%
8	7.647	932	942	955	rBV	77427	190975	11.40%	0.729%
9	8.153	1017	1025	1033	rBV3	20180	46406	2.77%	0.177%
10	8.275	1033	1045	1061	rVB2	147202	450763	26.90%	1.722%
11	8.476	1061	1078	1088	rBV	24177	78021	4.66%	0.298%
12	8.695	1106	1114	1123	rBV	28441	59330	3.54%	0.227%
13	8.842	1130	1138	1151	rVB	158063	310487	18.53%	1.186%
14	9.275	1193	1209	1215	rBV	99785	212305	12.67%	0.811%
15	9.756	1279	1288	1302	rBV2	24172	49967	2.98%	0.191%
16	9.890	1302	1310	1316	rBV	33580	69800	4.17%	0.267%
17	9.957	1316	1321	1325	rBV	32672	58544	3.49%	0.224%
18	10.037	1329	1334	1338	rVV	40604	67579	4.03%	0.258%
19	10.098	1338	1344	1356	rVB	36904	82846	4.94%	0.316%
20	10.323	1373	1381	1388	rBV	221334	401846	23.99%	1.535%
21	10.506	1404	1411	1418	rBV	63358	119775	7.15%	0.457%
22	10.579	1418	1423	1433	rBV2	35887	65450	3.91%	0.250%
23	10.738	1444	1449	1457	rVB7	19830	50826	3.03%	0.194%
24	10.847	1457	1467	1472	rVB4	37995	95794	5.72%	0.366%
25	10.927	1472	1480	1485	rBV4	78489	212208	12.67%	0.811%
26	10.994	1485	1491	1494	rBV	87101	158260	9.45%	0.604%
27	11.140	1507	1515	1518	rBV5	33741	94783	5.66%	0.362%
28	11.189	1518	1523	1527	rVV3	100072	211917	12.65%	0.809%
29	11.225	1527	1529	1532	rVV3	55638	93627	5.59%	0.358%
30	11.268	1532	1536	1544	rVV2	119973	325259	19.41%	1.242%
31	11.335	1544	1547	1550	rVV2	89082	140061	8.36%	0.535%
32	11.372	1550	1553	1555	rVV2	55421	90716	5.41%	0.346%
33	11.408	1555	1559	1570	rVB2	191636	452077	26.98%	1.727%
34	11.512	1570	1576	1581	rBV3	189547	352558	21.04%	1.347%
35	11.634	1589	1596	1606	rBV3	223924	641709	38.30%	2.451%
36	11.731	1606	1612	1616	rBV	91962	162248	9.68%	0.620%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Title : SFAM01.0

37	11.841	1621	1630	1634	rBV	446700	876262	52.30%	3.347%
38	11.914	1639	1642	1647	rVB2	77464	121389	7.25%	0.464%
39	12.061	1659	1666	1671	rVB4	48091	101232	6.04%	0.387%
40	12.134	1671	1678	1681	rBV3	176739	369374	22.05%	1.411%
41	12.250	1690	1697	1701	rVB2	119682	216510	12.92%	0.827%
42	12.335	1701	1711	1714	rBV4	127878	357562	21.34%	1.366%
43	12.384	1716	1719	1723	rVV2	160931	285858	17.06%	1.092%
44	12.463	1727	1732	1736	rVV3	141295	329881	19.69%	1.260%
45	12.512	1736	1740	1741	rVV3	111618	187756	11.21%	0.717%
46	12.561	1741	1748	1754	rVV3	413744	934064	55.75%	3.568%
47	12.615	1754	1757	1759	rVV3	51354	82272	4.91%	0.314%
48	12.646	1759	1762	1766	rVV	133971	212324	12.67%	0.811%
49	12.695	1766	1770	1775	rVV4	121696	248887	14.86%	0.951%
50	12.743	1775	1778	1780	rVV3	46854	77030	4.60%	0.294%
51	12.792	1780	1786	1792	rVV2	124576	340351	20.31%	1.300%
52	12.859	1792	1797	1800	rVV3	166457	305562	18.24%	1.167%
53	12.926	1800	1808	1815	rVV3	747037	1675397	100.00%	6.399%
54	12.987	1815	1818	1824	rVV3	112107	203525	12.15%	0.777%
55	13.103	1828	1837	1843	rVV3	167994	580909	34.67%	2.219%
56	13.164	1843	1847	1855	rVV3	168626	409933	24.47%	1.566%
57	13.249	1855	1861	1865	rVV	325295	600806	35.86%	2.295%
58	13.286	1865	1867	1872	rVV	92541	181220	10.82%	0.692%
59	13.335	1873	1875	1878	rVV3	72511	124306	7.42%	0.475%
60	13.377	1879	1882	1885	rVV2	112625	213760	12.76%	0.816%
61	13.445	1888	1893	1896	rVV3	204266	422629	25.23%	1.614%
62	13.487	1896	1900	1904	rVV2	158575	351811	21.00%	1.344%
63	13.579	1907	1915	1919	rVV4	306144	871613	52.02%	3.329%
64	13.621	1919	1922	1929	rVV3	110198	192204	11.47%	0.734%
65	13.713	1929	1937	1939	rVV5	116072	236946	14.14%	0.905%
66	13.749	1939	1943	1947	rVV3	288899	559581	33.40%	2.137%
67	13.792	1947	1950	1957	rVV4	227057	511183	30.51%	1.952%
68	13.871	1957	1963	1968	rVV3	683646	1226536	73.21%	4.685%
69	13.944	1971	1975	1979	rVV2	137289	265310	15.84%	1.013%
70	14.005	1982	1985	1988	rVV2	122108	216263	12.91%	0.826%
71	14.036	1988	1990	1994	rVV	128420	189874	11.33%	0.725%
72	14.091	1995	1999	2008	rVV	194396	336885	20.11%	1.287%
73	14.200	2011	2017	2022	rVB3	153632	260701	15.56%	0.996%
74	14.255	2022	2026	2033	rBV7	64698	149347	8.91%	0.570%
75	14.329	2033	2038	2043	rVV3	78764	165429	9.87%	0.632%
76	14.383	2043	2047	2049	rVV3	111059	179903	10.74%	0.687%

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 Title : SFAM01.0

77	14.414	2049	2052	2056	rVV	194947	319144	19.05%	1.219%
78	14.450	2056	2058	2062	rVV	135373	175631	10.48%	0.671%
79	14.493	2062	2065	2069	rVV	147348	227689	13.59%	0.870%
80	14.536	2069	2072	2079	rVV3	115556	199134	11.89%	0.761%
81	14.633	2084	2088	2092	rVB2	99857	163780	9.78%	0.626%
82	14.682	2092	2096	2098	rBV3	72649	110142	6.57%	0.421%
83	14.719	2099	2102	2108	rVB2	164598	258870	15.45%	0.989%
84	14.786	2108	2113	2120	rBV4	161847	434232	25.92%	1.659%
85	14.853	2120	2124	2130	rVB	82110	136457	8.14%	0.521%
86	14.956	2137	2141	2145	rBV	35472	61814	3.69%	0.236%
87	15.060	2153	2158	2165	rBV3	132003	303138	18.09%	1.158%
88	15.127	2165	2169	2173	rVV	141515	259874	15.51%	0.993%
89	15.170	2173	2176	2183	rVB4	98481	187026	11.16%	0.714%
90	15.359	2196	2207	2213	rBV	281374	570557	34.06%	2.179%
91	15.462	2220	2224	2228	rBV3	48973	78736	4.70%	0.301%
92	15.548	2235	2238	2246	rVB5	70654	121796	7.27%	0.465%
93	15.651	2247	2255	2261	rBV3	89790	199243	11.89%	0.761%
94	15.816	2272	2282	2286	rBV6	34437	102954	6.15%	0.393%
95	15.944	2297	2303	2308	rVB3	48090	94193	5.62%	0.360%
96	16.017	2309	2315	2321	rBV4	28463	70047	4.18%	0.268%
97	16.164	2330	2339	2345	rBV6	30621	99101	5.92%	0.379%
98	16.365	2367	2372	2377	rVB4	28432	56140	3.35%	0.214%
99	16.432	2377	2383	2390	rBV	179701	392887	23.45%	1.501%
100	16.639	2402	2417	2429	rVB	150748	422953	25.24%	1.615%

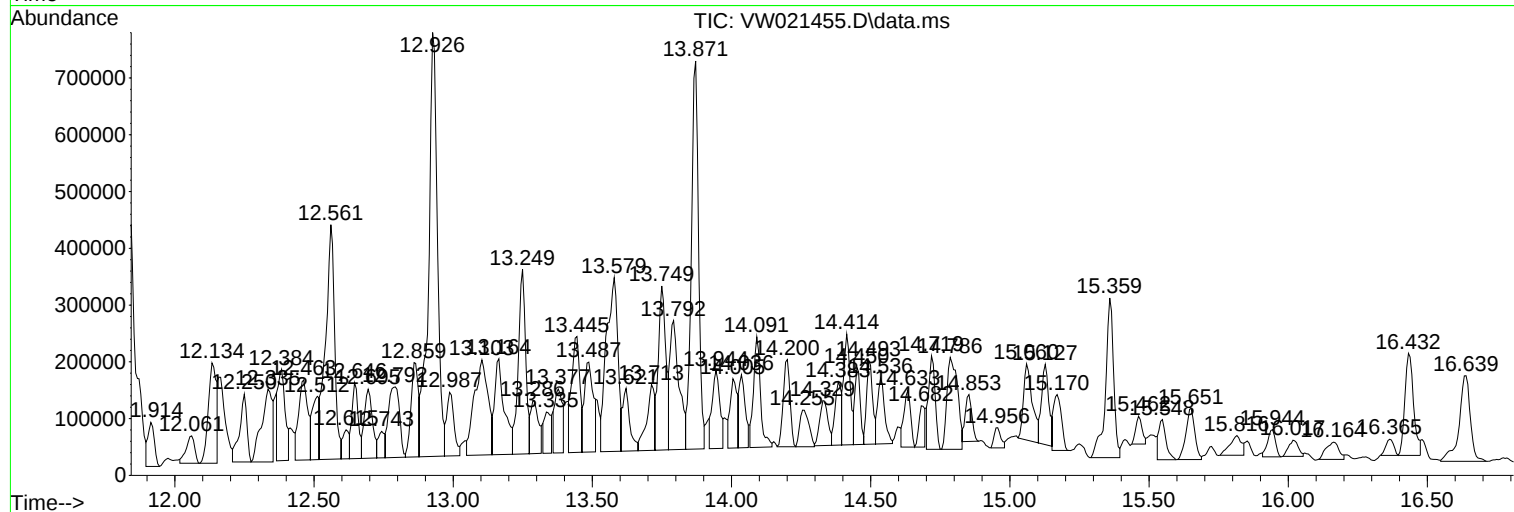
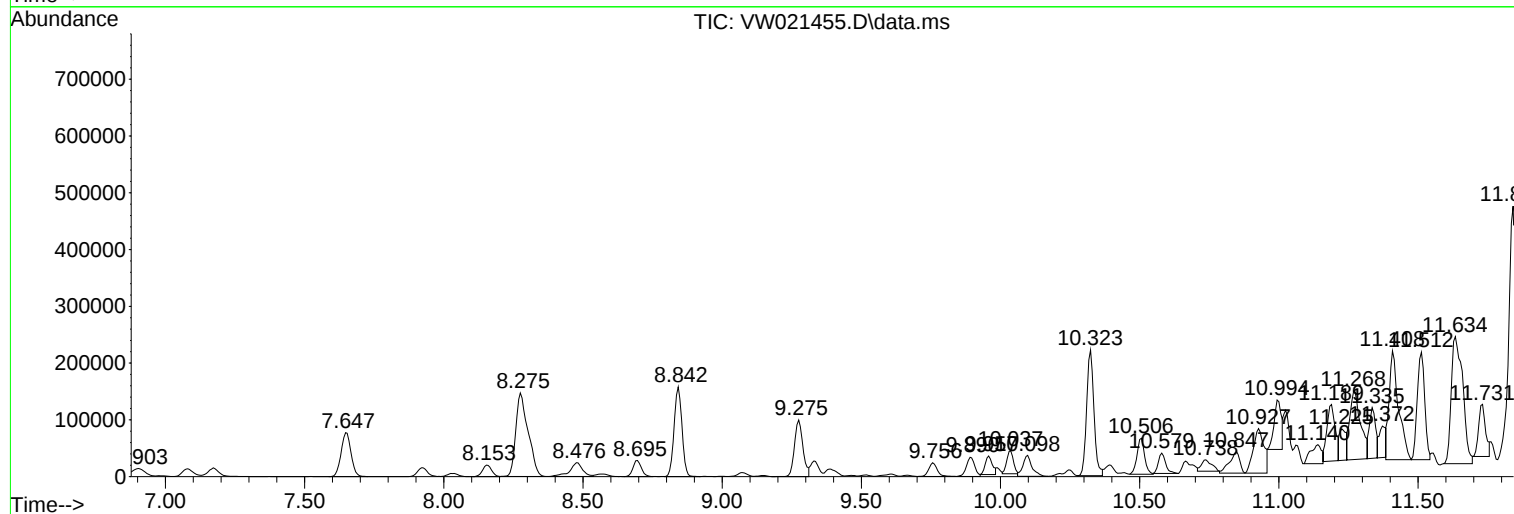
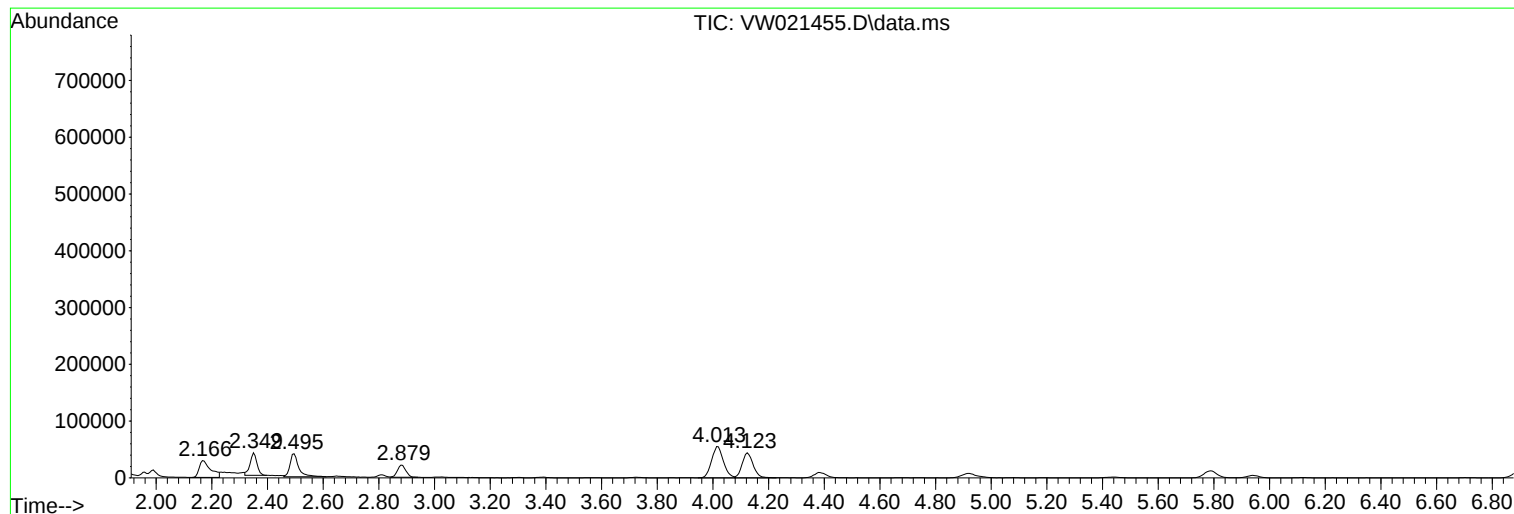
Sum of corrected areas: 26182174

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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ClientSampleId :
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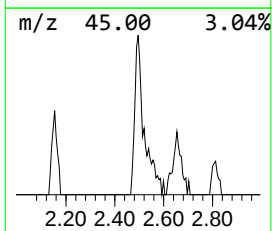
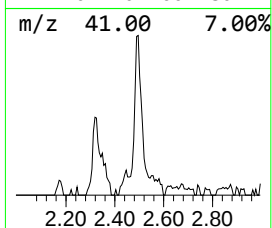
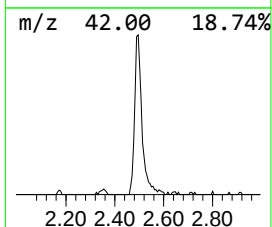
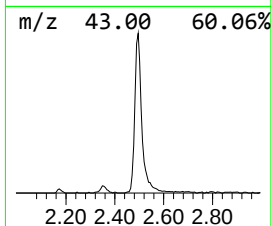
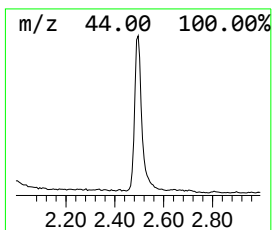
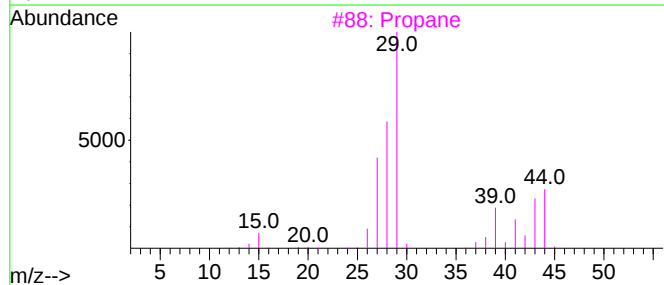
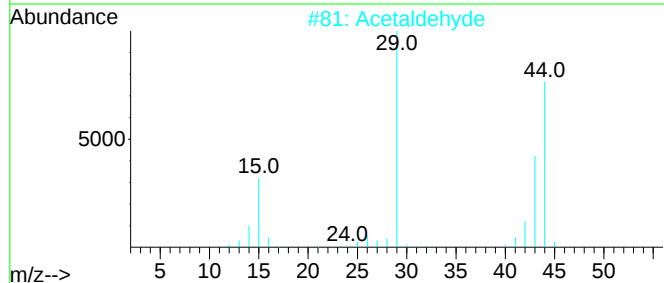
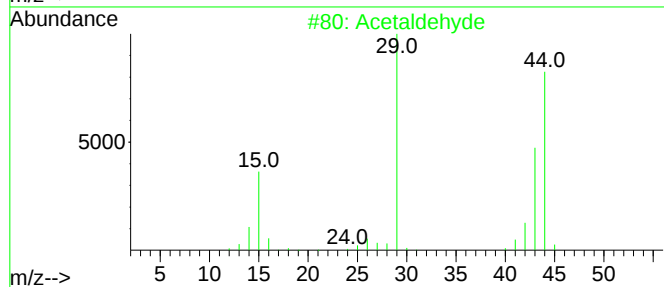
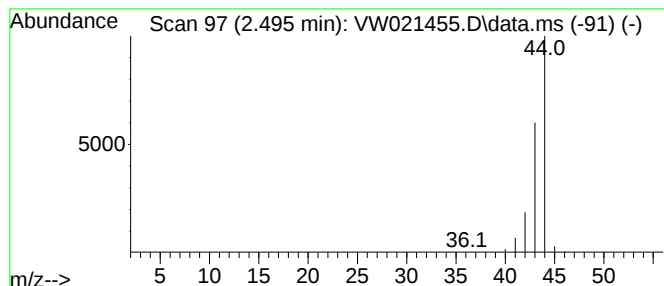
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 Acetaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	7.03 ug/L	87286	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	74
2			Acetaldehyde	44	C2H4O	000075-07-0	74
3			Propane	44	C3H8	000074-98-6	5
4			Ethylene oxide	44	C2H4O	000075-21-8	5
5			Ethylene oxide	44	C2H4O	000075-21-8	5



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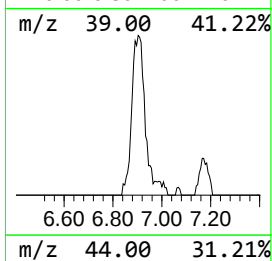
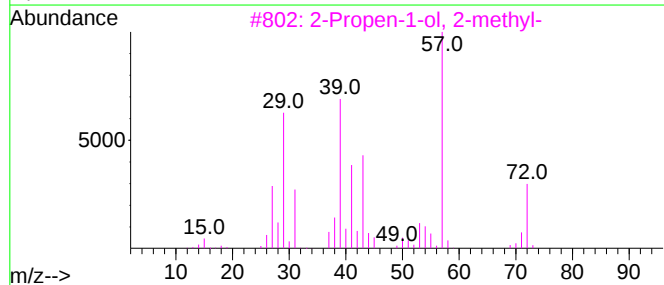
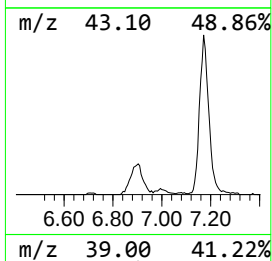
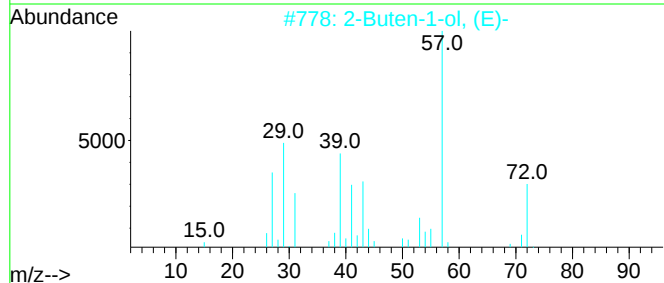
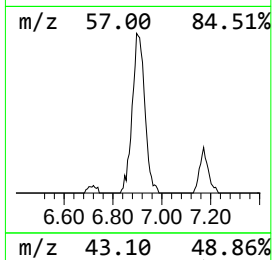
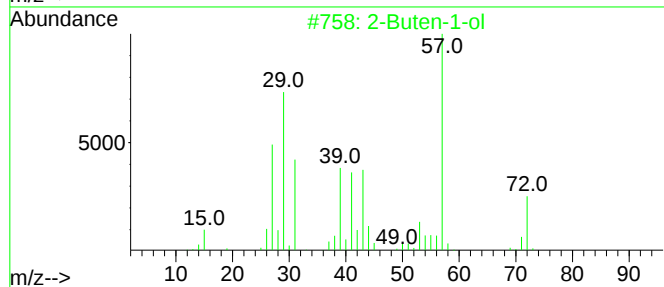
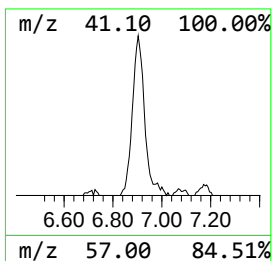
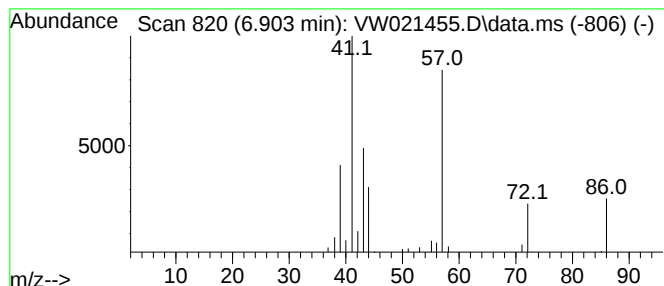
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 2-Buten-1-ol Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.903	4.02 ug/L	49893	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Buten-1-ol	72	C4H8O	006117-91-5	50
2			2-Buten-1-ol, (E)-	72	C4H8O	000504-61-0	49
3			2-Propen-1-ol, 2-methyl-	72	C4H8O	000513-42-8	46
4			2-Propen-1-ol, 2-methyl-	72	C4H8O	000513-42-8	43
5			2-Buten-1-ol, (E)-	72	C4H8O	000504-61-0	38



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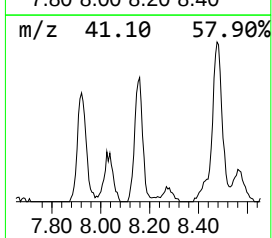
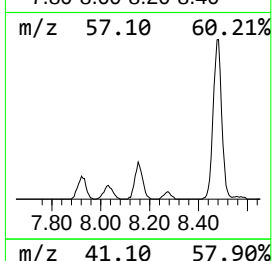
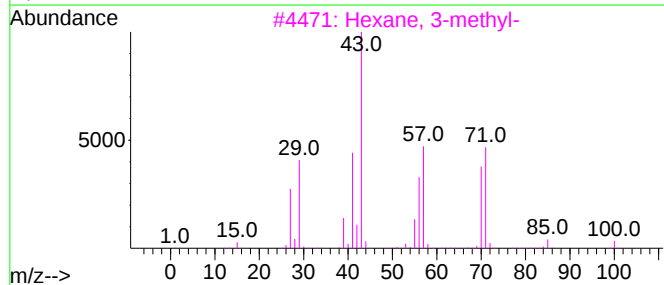
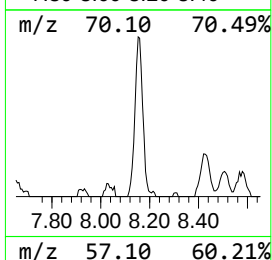
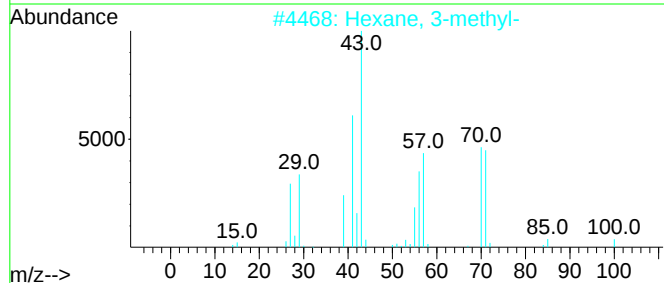
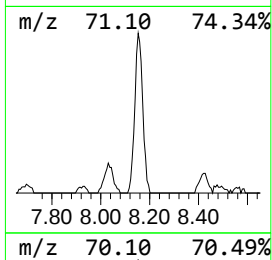
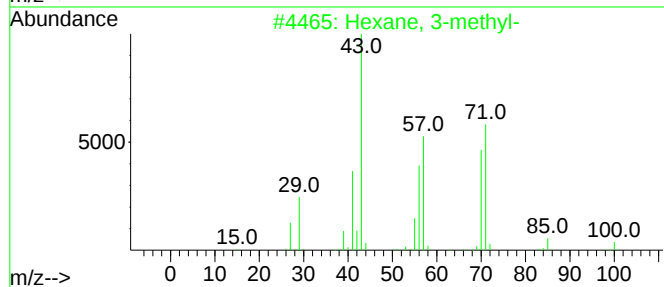
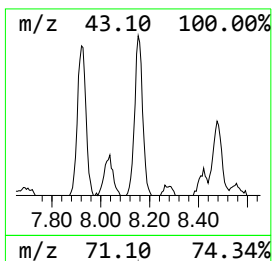
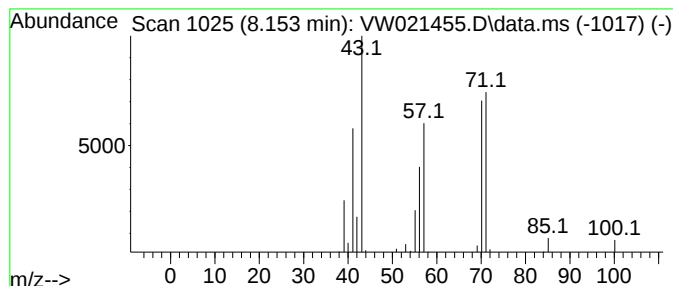
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	3.74 ug/L	46406	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-		100	C7H16	000589-34-4	90
2	Hexane, 3-methyl-		100	C7H16	000589-34-4	81
3	Hexane, 3-methyl-		100	C7H16	000589-34-4	80
4	Decane, 3,3,4-trimethyl-		184	C13H28	049622-18-6	59
5	Hexane, 3,3,4-trimethyl-		128	C9H20	016747-31-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

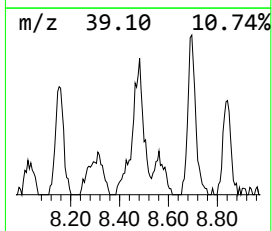
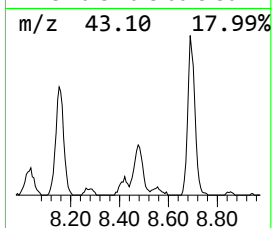
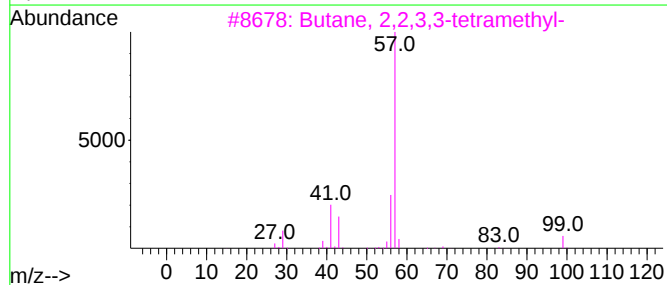
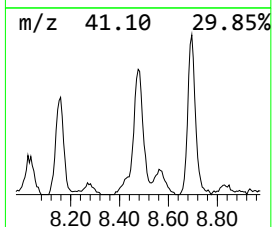
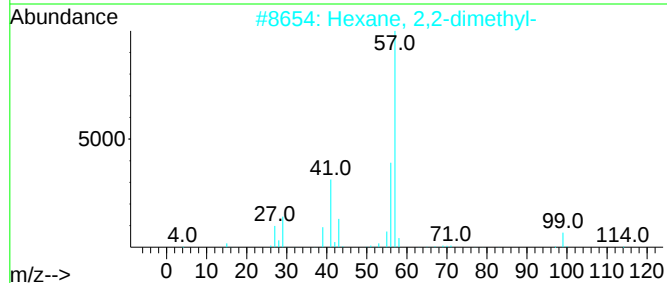
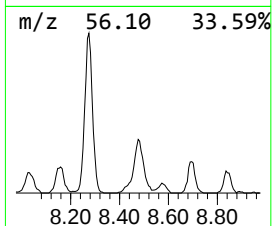
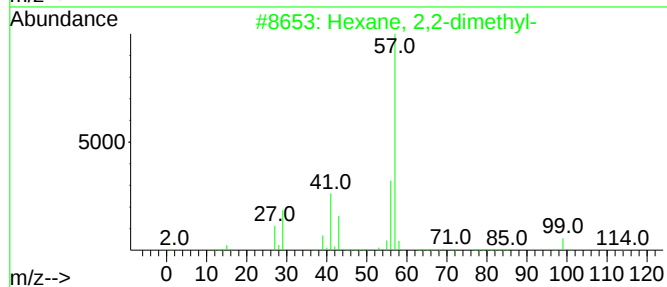
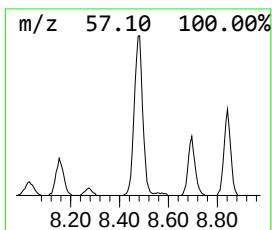
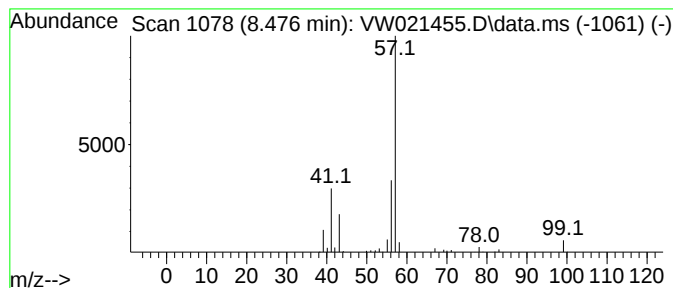
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MSVOA_W
ClientSampleId :
BGL70

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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.476	6.28 ug/L	78021	1,4-Difluorobenzene	8.842	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

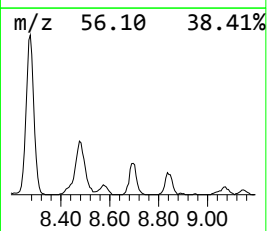
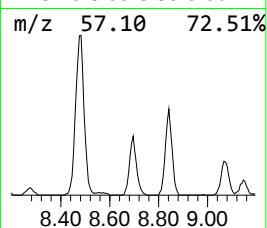
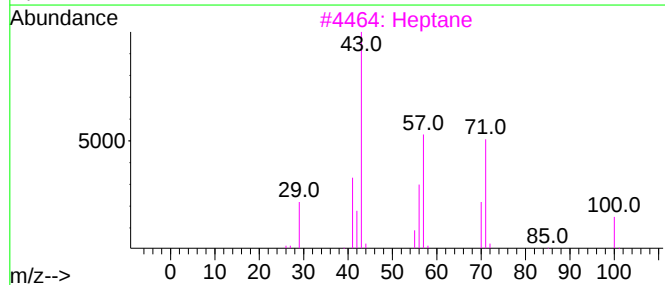
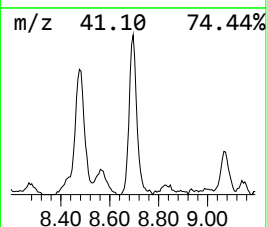
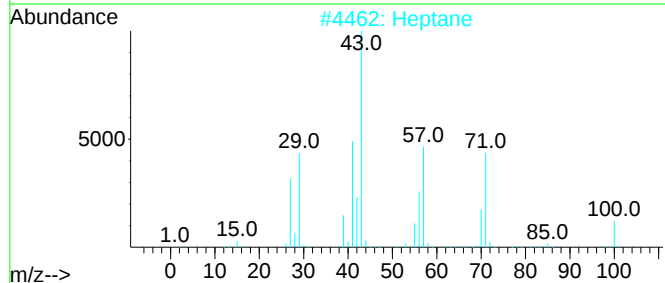
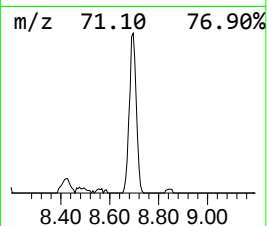
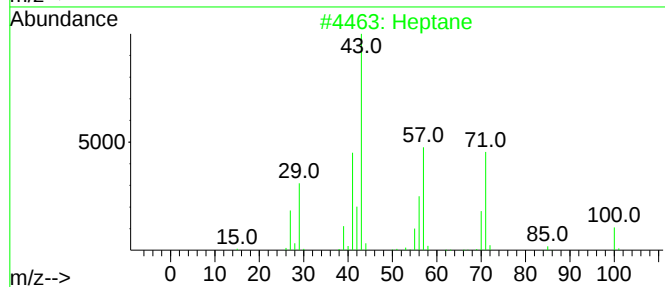
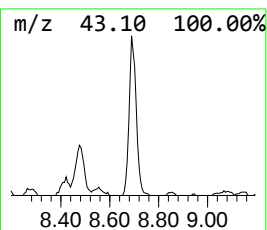
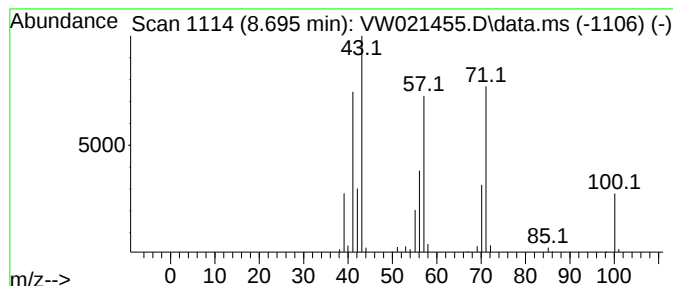
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	4.78 ug/L	59330	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	86
2			Heptane	100	C7H16	000142-82-5	78
3			Heptane	100	C7H16	000142-82-5	72
4			Heptane	100	C7H16	000142-82-5	56
5			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

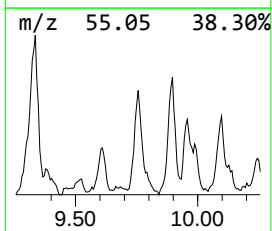
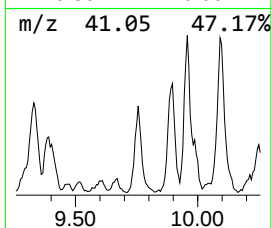
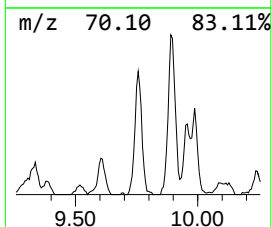
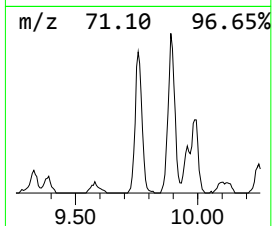
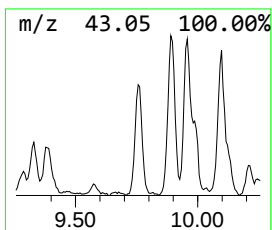
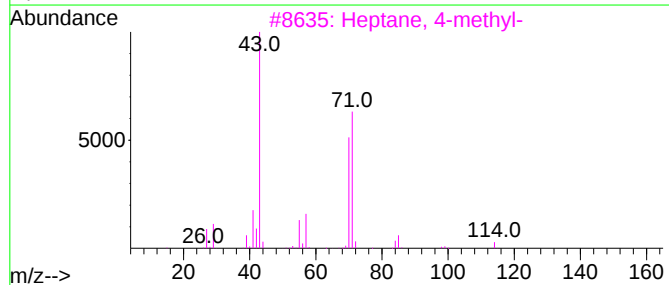
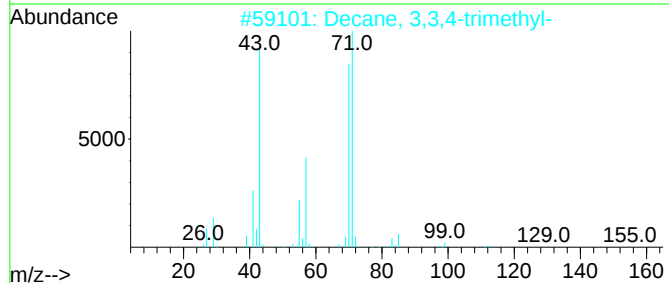
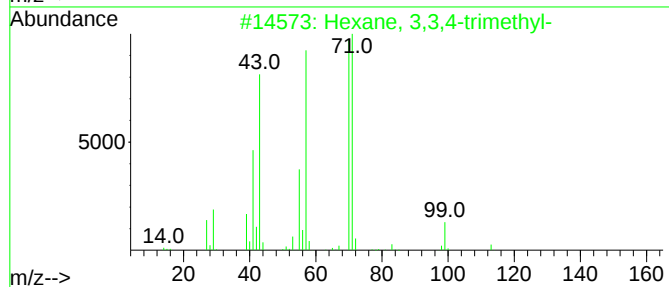
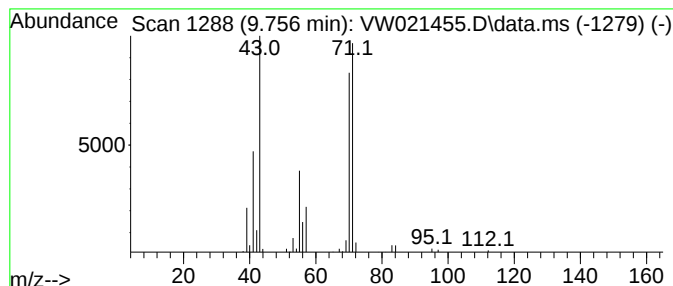
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	4.02 ug/L	49967	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	83
2			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

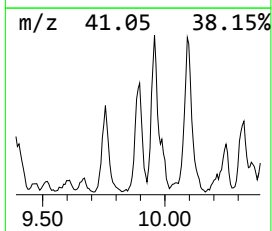
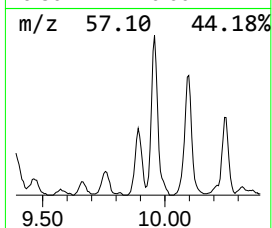
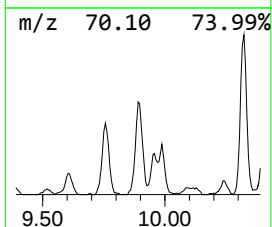
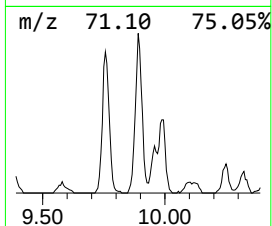
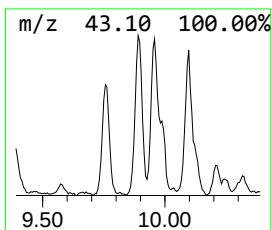
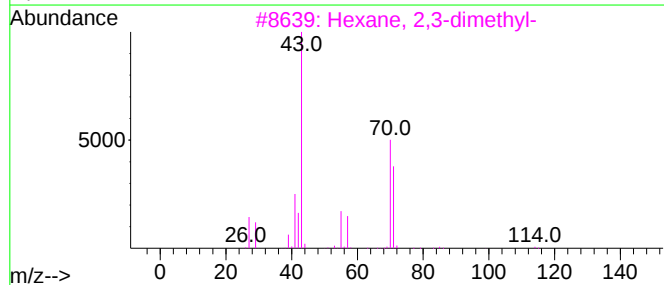
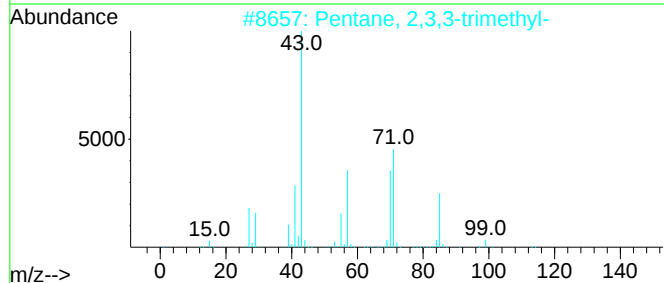
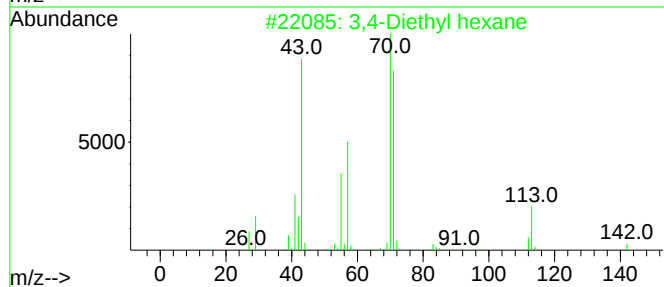
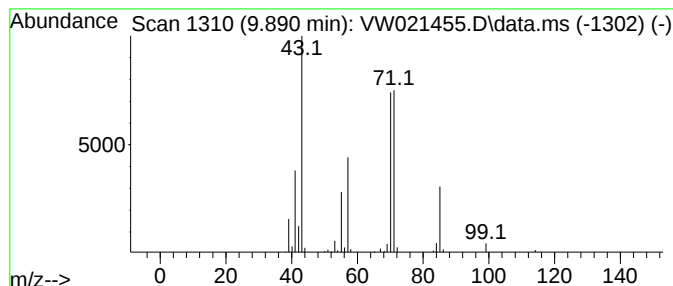
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	5.62 ug/L	69800	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,4-Diethyl hexane	142	C10H22	019398-77-7	64
2		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
3		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
4		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	52
5		Diisooamyl ether	158	C10H22O	000544-01-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

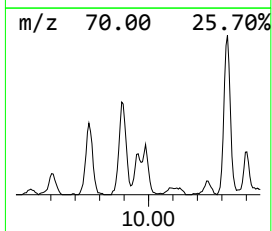
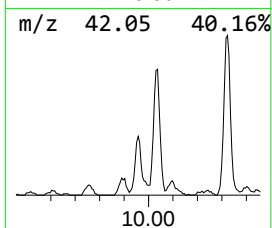
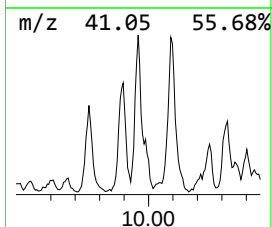
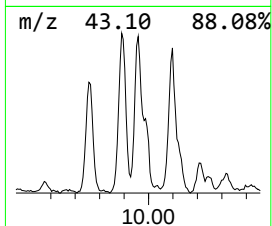
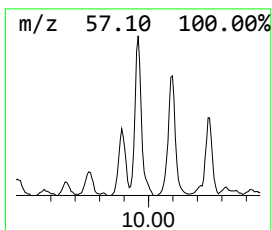
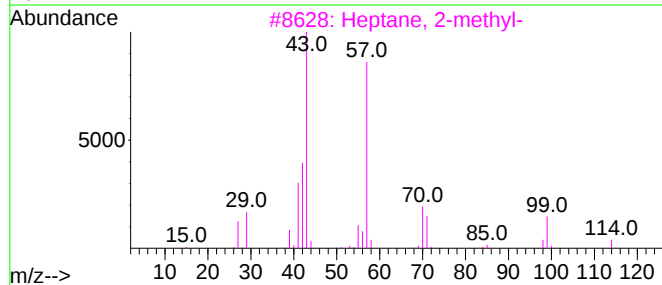
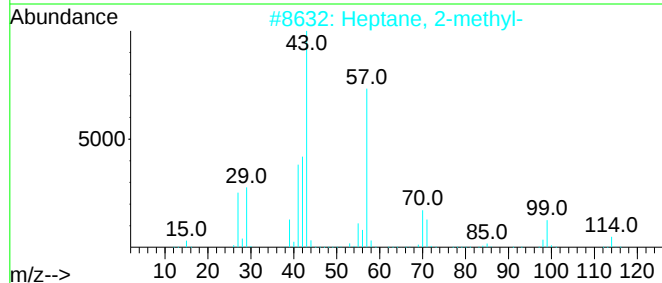
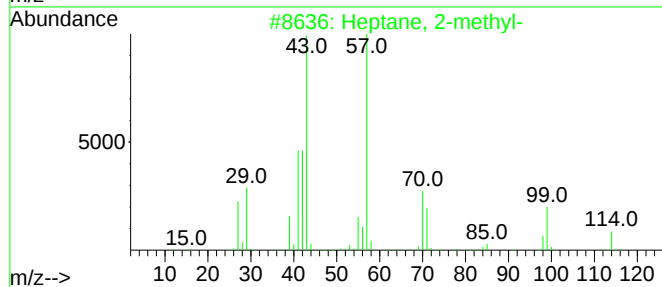
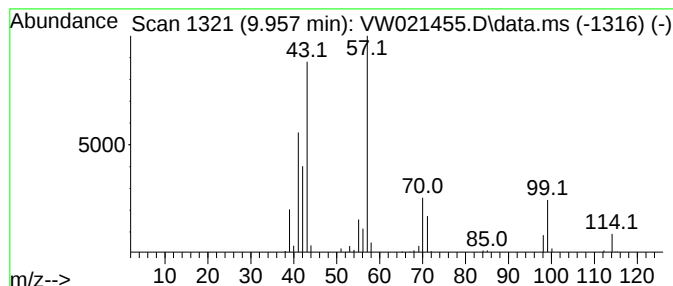
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	4.71 ug/L	58544	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
5			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

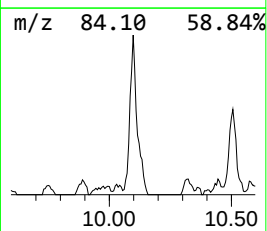
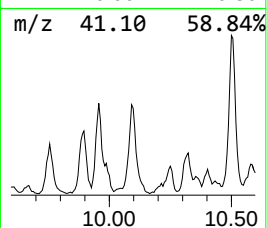
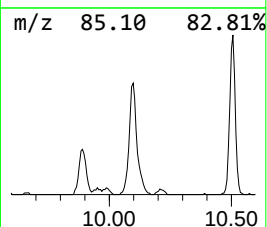
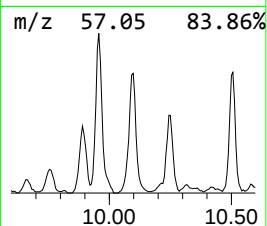
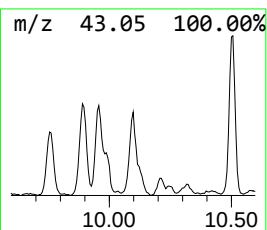
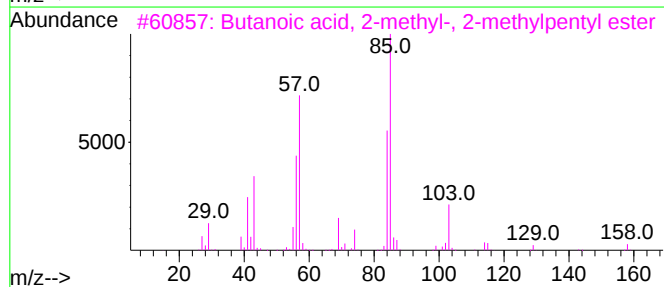
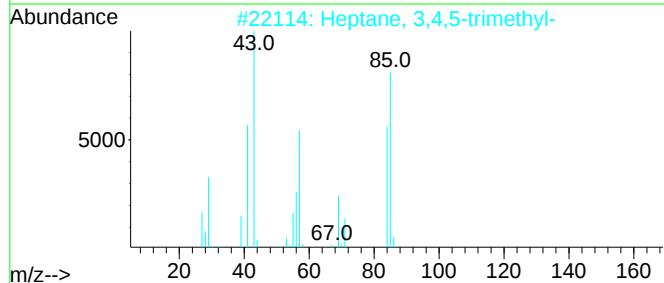
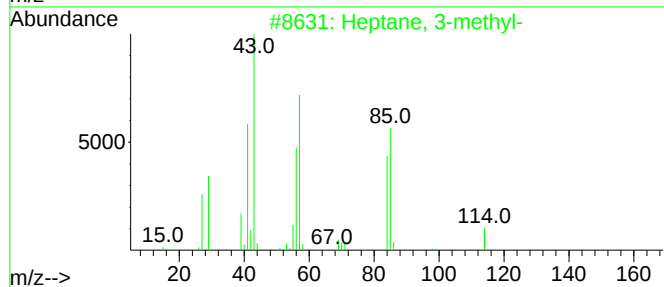
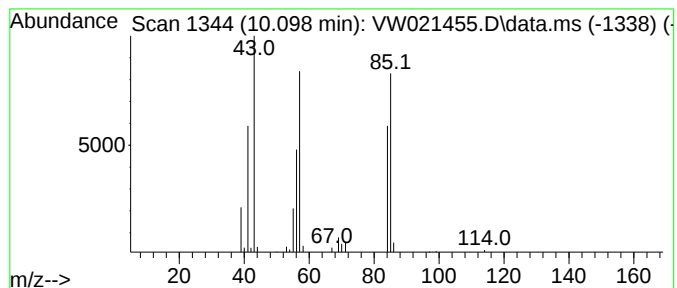
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	6.67 ug/L	82846	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	74
3			Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5			Hexane, 2-methyl-	100	C7H16	000591-76-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

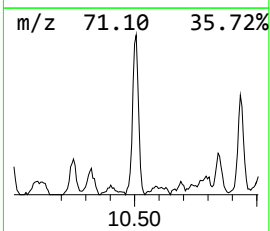
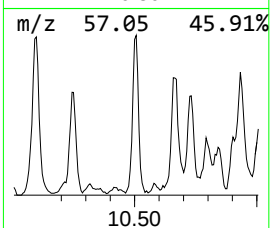
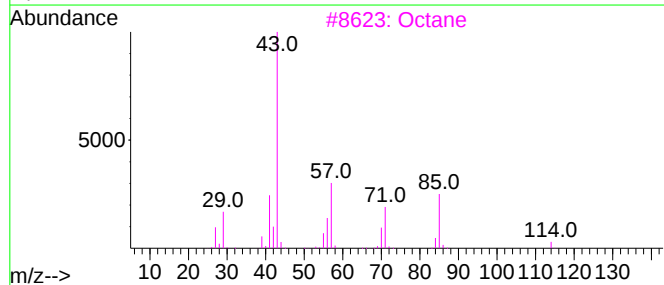
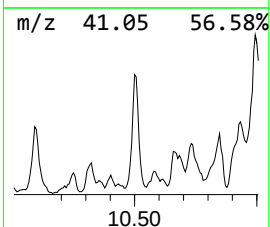
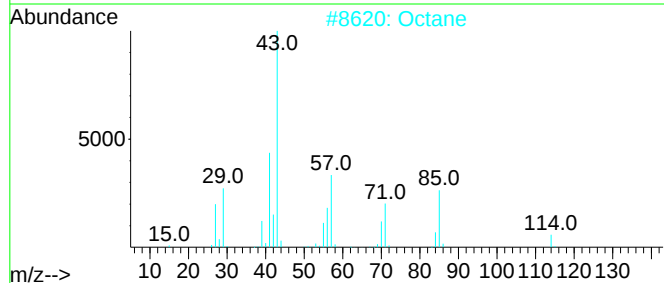
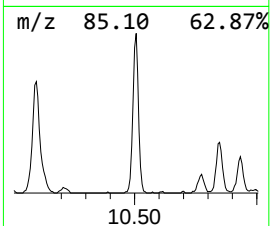
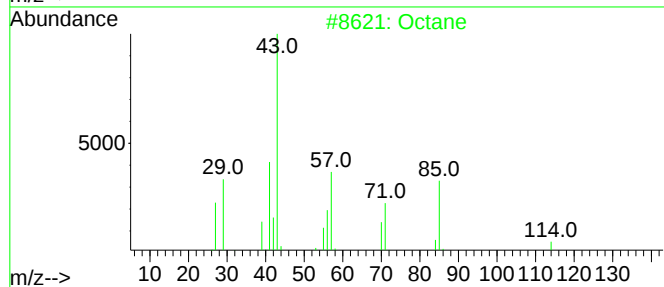
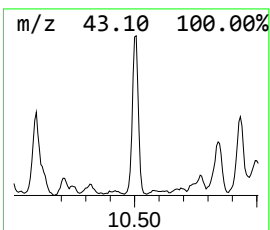
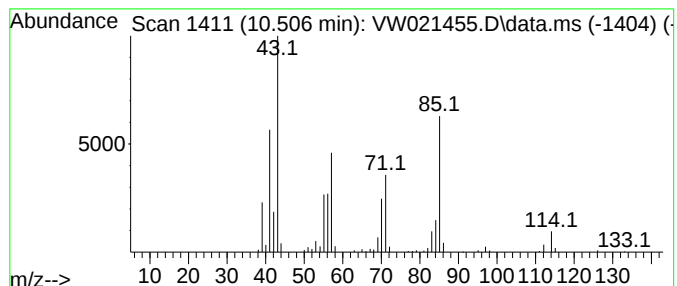
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	4.67 ug/L	119775	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	90
2	Octane			114	C8H18	000111-65-9	90
3	Octane			114	C8H18	000111-65-9	87
4	Octane			114	C8H18	000111-65-9	81
5	Octane			114	C8H18	000111-65-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

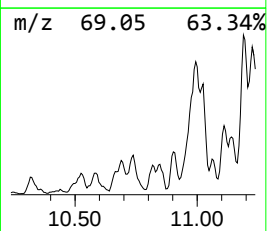
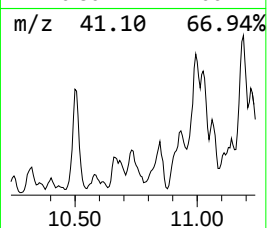
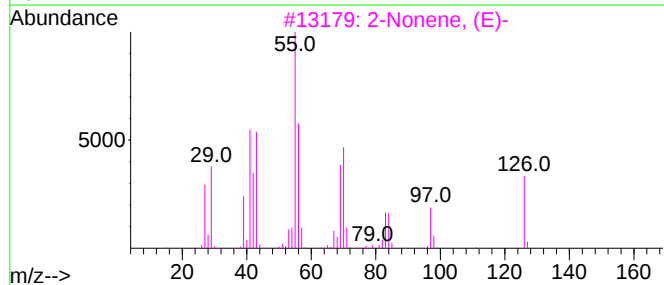
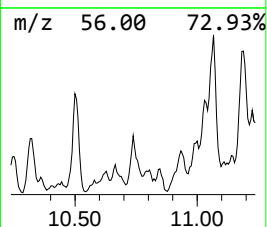
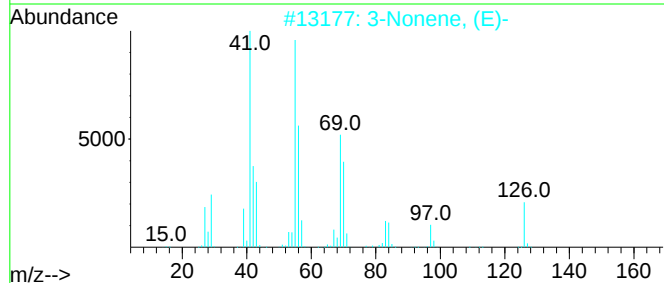
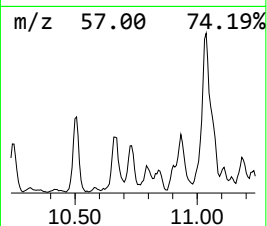
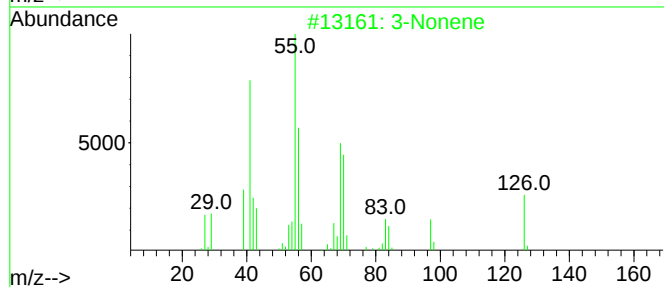
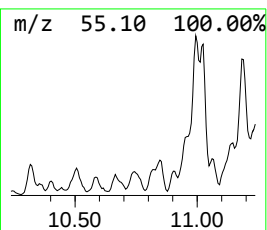
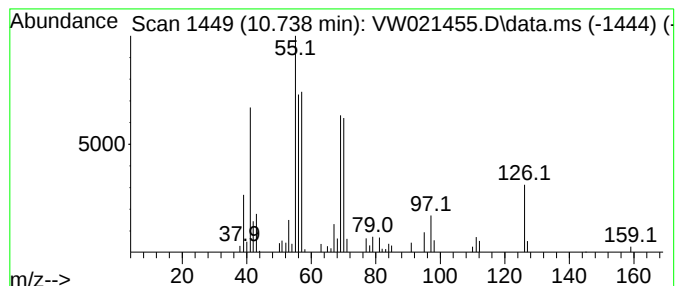
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.738	1.98 ug/L	50826	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Nonene	126	C9H18	020063-77-8	74
2			3-Nonene, (E)-	126	C9H18	020063-92-7	72
3			2-Nonene, (E)-	126	C9H18	006434-78-2	72
4			2-Nonene, (E)-	126	C9H18	006434-78-2	68
5			cis-3-Nonene	126	C9H18	020237-46-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

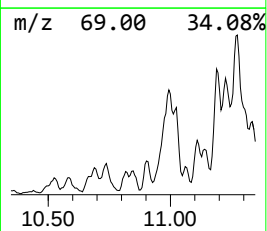
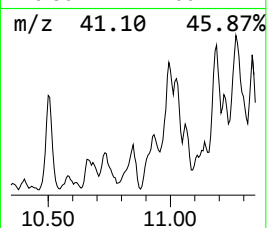
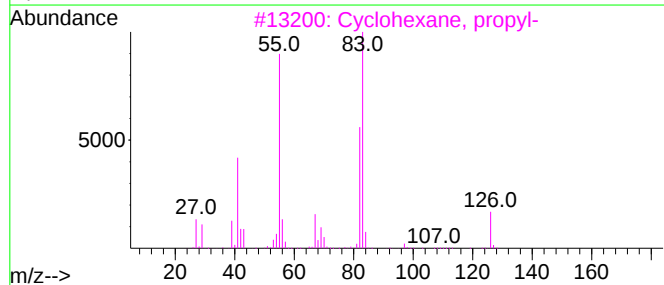
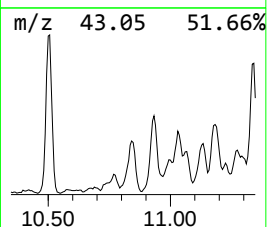
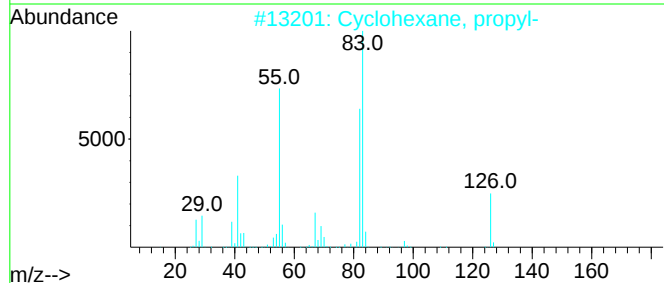
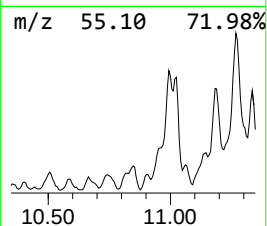
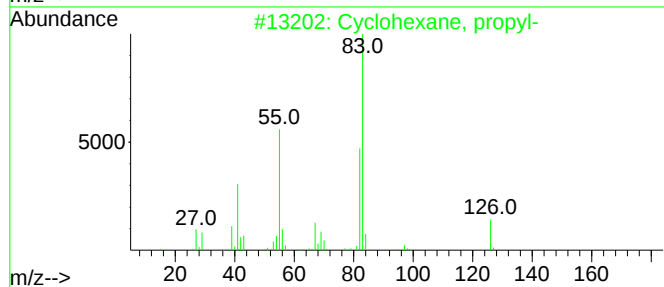
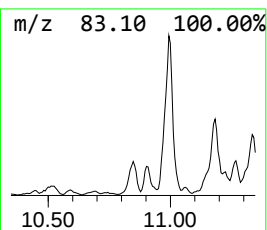
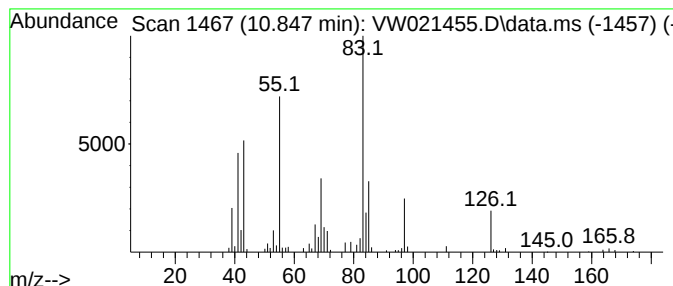
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic10.847 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	3.73 ug/L	95794	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	53
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	50
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4			1-Pentene, 3-ethyl-3-methyl-	112	C8H16	006196-60-7	50
5			3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

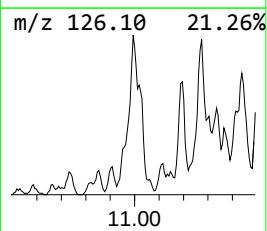
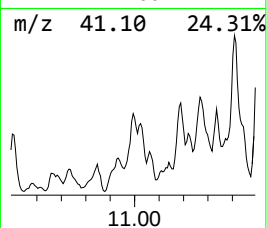
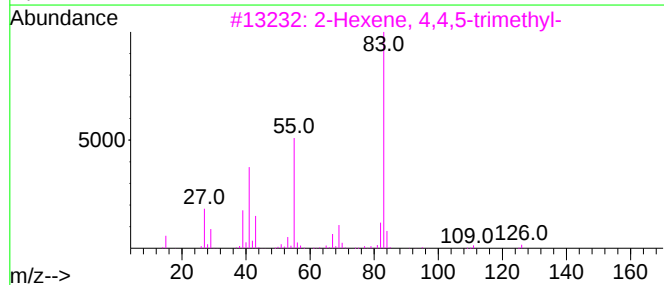
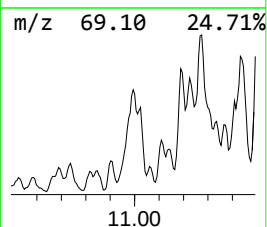
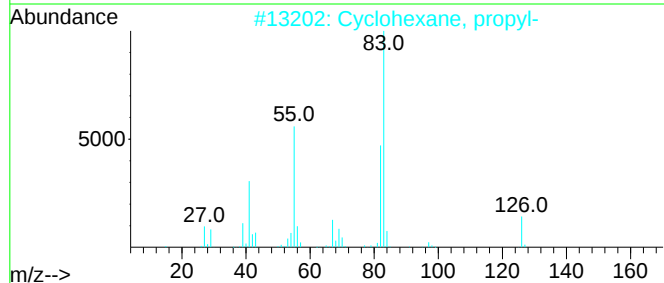
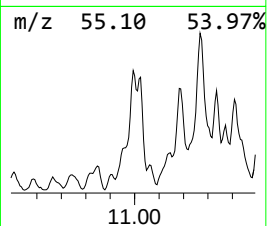
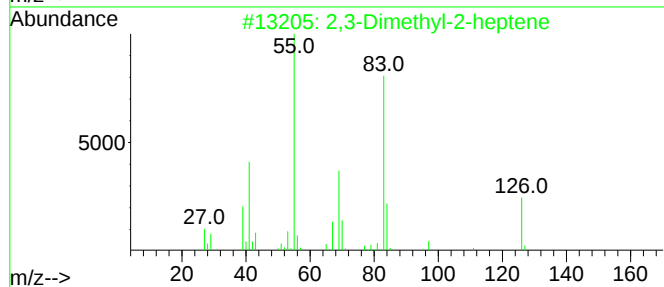
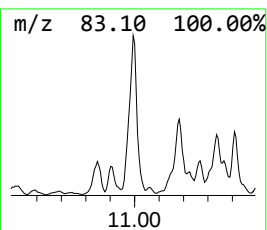
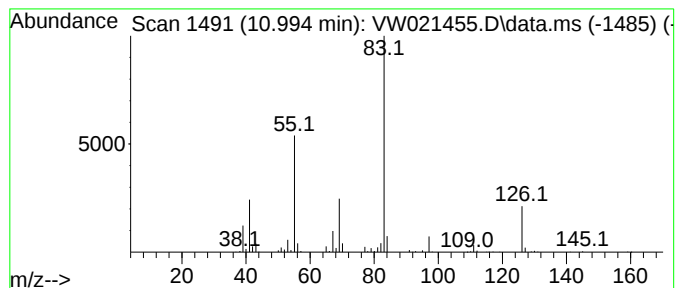
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.994	6.17 ug/L	158260	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	78
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	78
3			2-Hexene, 4,4,5-trimethyl-	126	C9H18	055702-61-9	59
4			2-Pyrazoline, 1-methyl-4-propyl-	126	C7H14N2	033063-77-3	59
5			Oxalic acid, cyclohexyl isobutyl...	228	C12H20O4	1000309-30-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

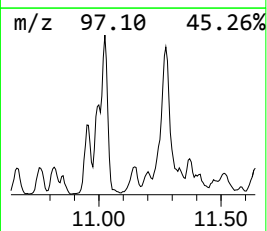
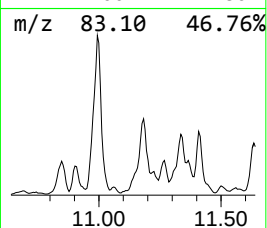
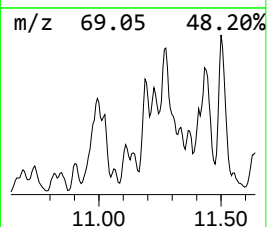
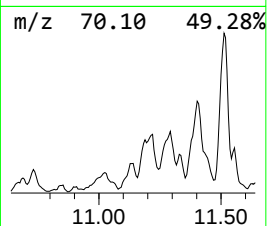
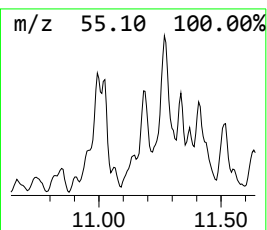
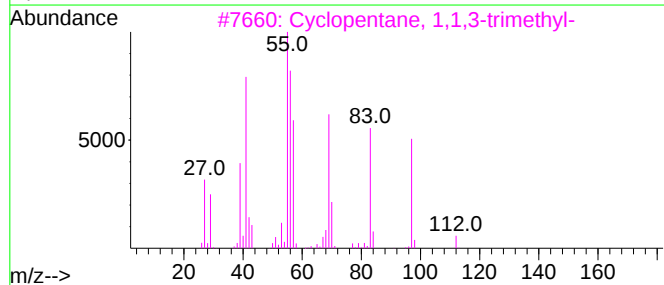
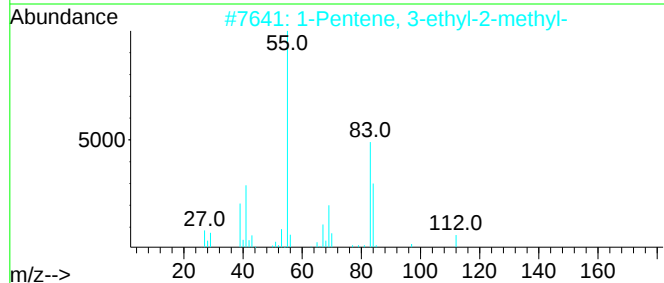
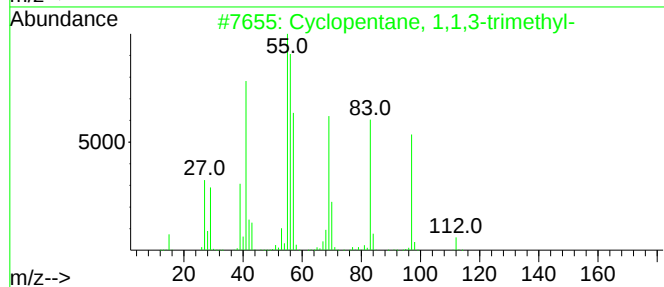
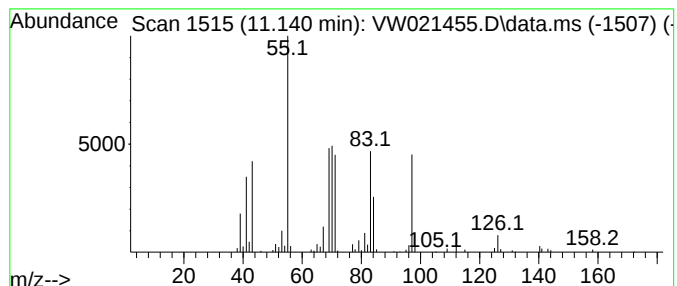
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.140 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.140	3.69 ug/L	94783	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
2		1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	38
3		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
4		Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	35
5		1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

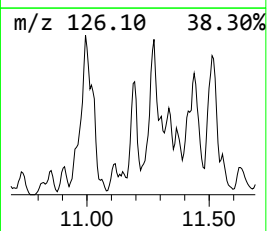
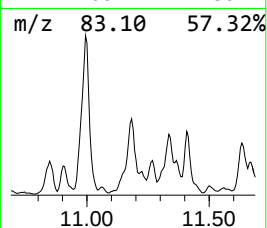
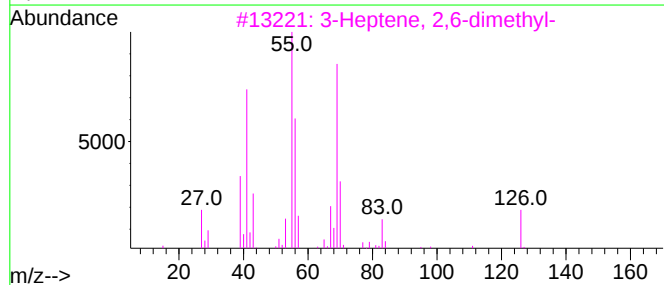
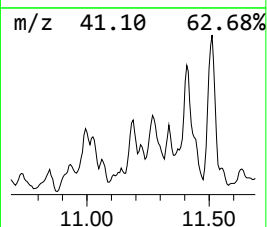
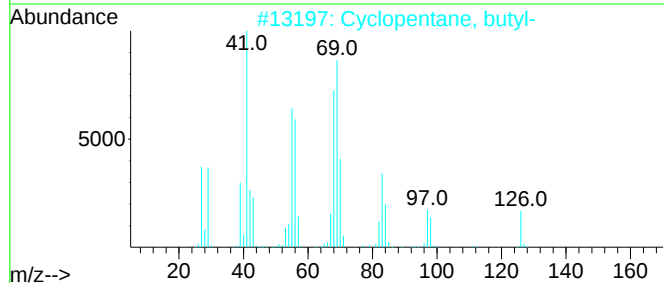
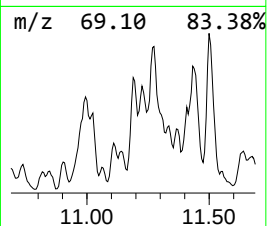
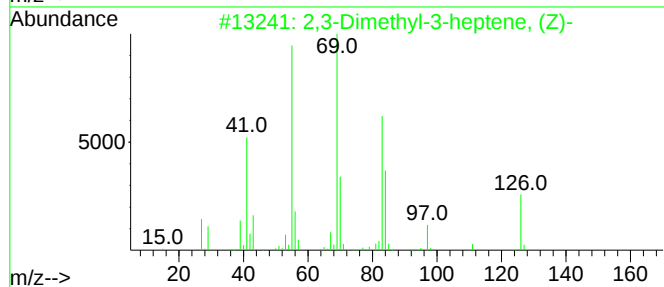
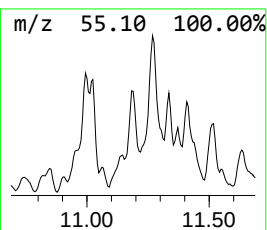
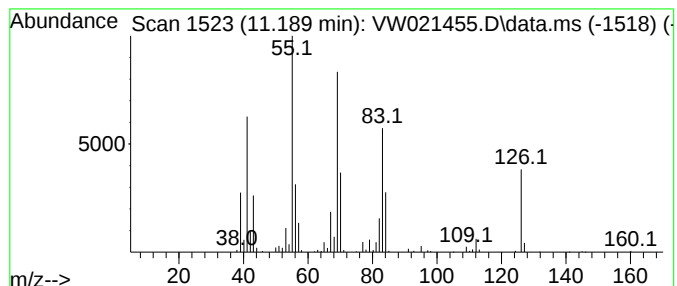
Instrument :
MSVOA_W
ClientSampleId :
BGL70

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.189	8.26 ug/L	211917	Chlorobenzene-d5			11.628
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	78
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	64
3		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
4		3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	50
5		3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

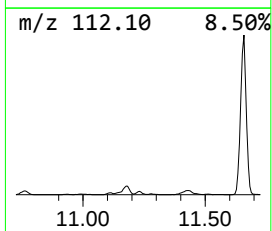
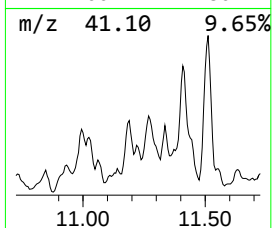
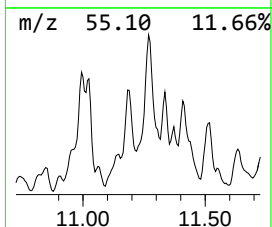
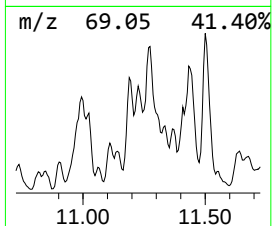
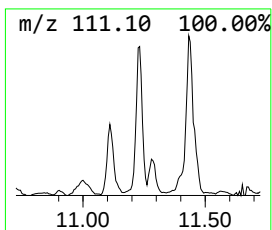
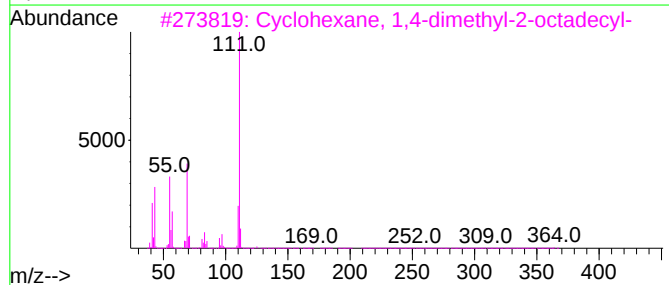
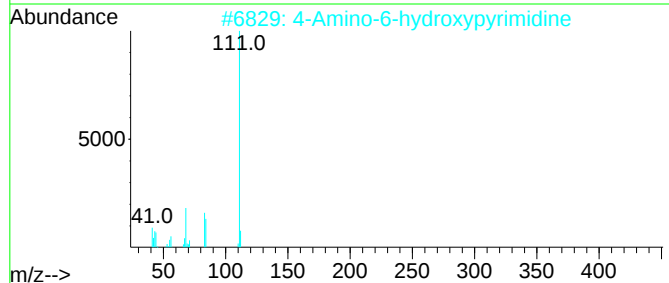
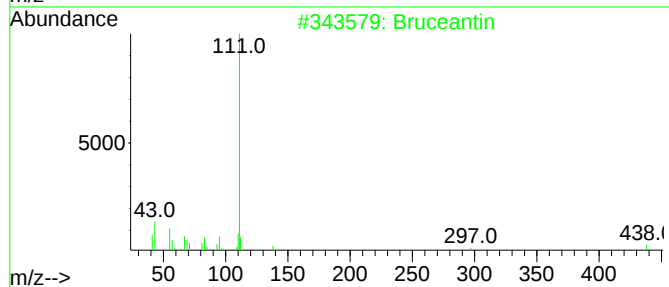
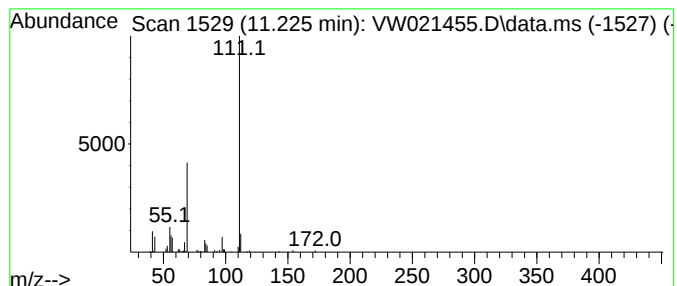
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Quant Title : SFAM01.0

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

Peak Number 18 Bruceantin Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	3.65 ug/L	93627	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bruceantin	548	C28H36O11	041451-75-6	72
2			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
3			Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	64
4			p-Fluoroaniline	111	C6H6FN	000371-40-4	59
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

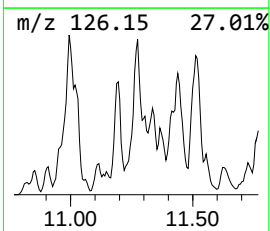
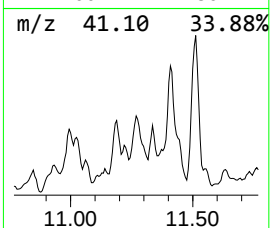
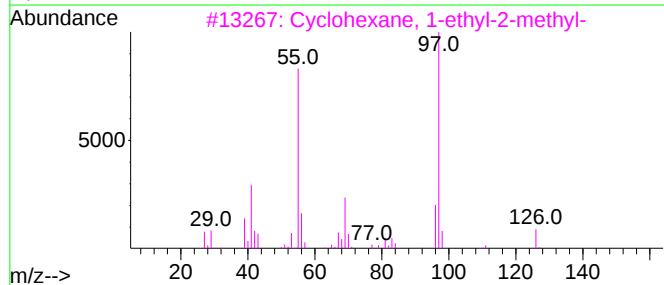
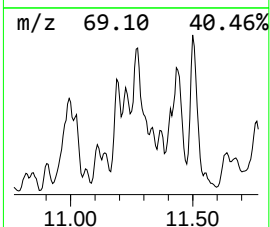
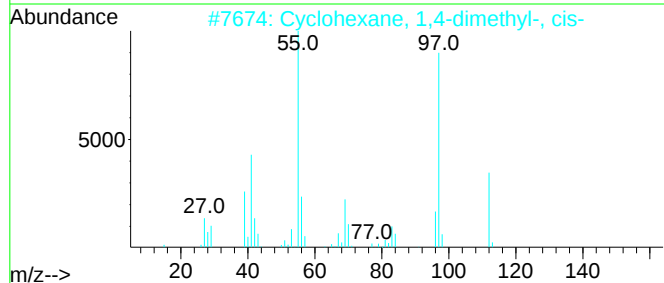
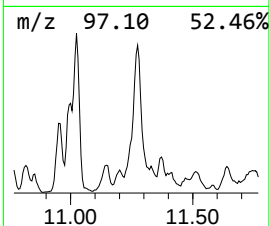
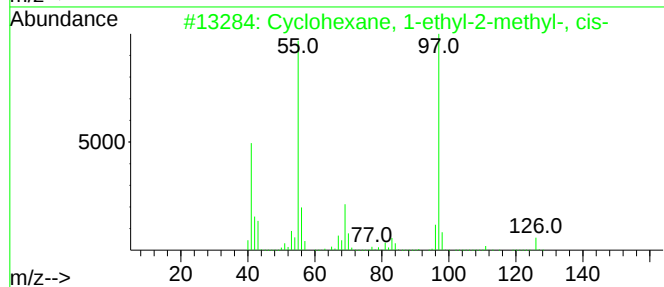
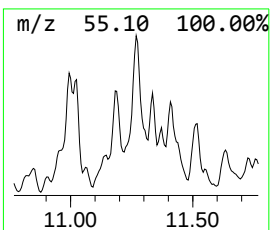
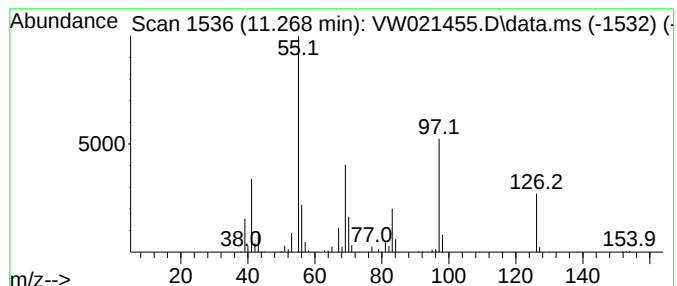
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MSVOA_W
ClientSampleId :
BGL70

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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.268 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.268	12.67 ug/L	325259	Chlorobenzene-d5			11.628
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...		126	C9H18	004923-77-7	64
2	Cyclohexane, 1,4-dimethyl-, cis-		112	C8H16	000624-29-3	59
3	Cyclohexane, 1-ethyl-2-methyl-		126	C9H18	003728-54-9	59
4	Cyclohexane, 1,3-dimethyl-, cis-		112	C8H16	000638-04-0	53
5	3,5-Dimethyl-3-heptene		126	C9H18	059643-68-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

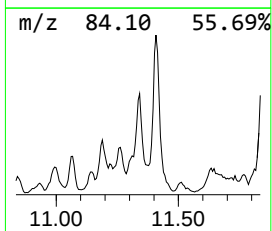
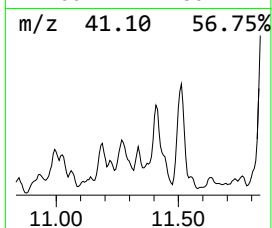
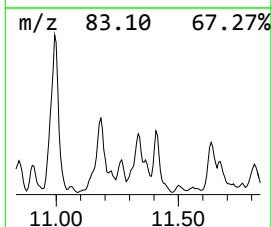
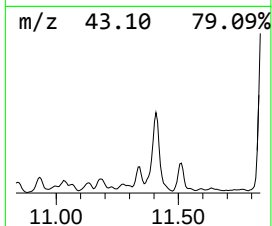
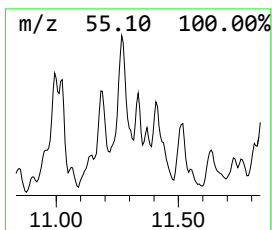
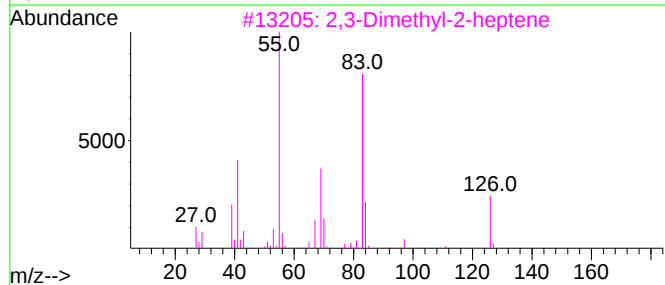
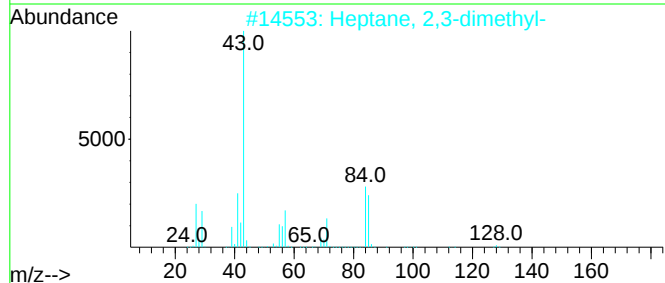
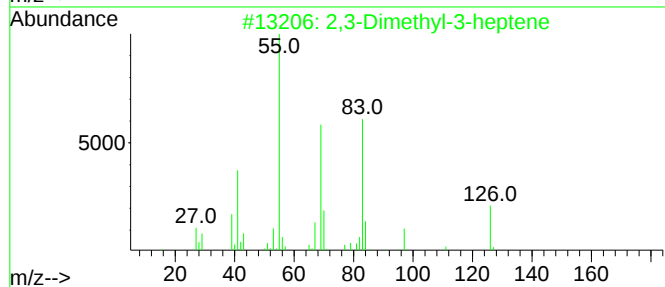
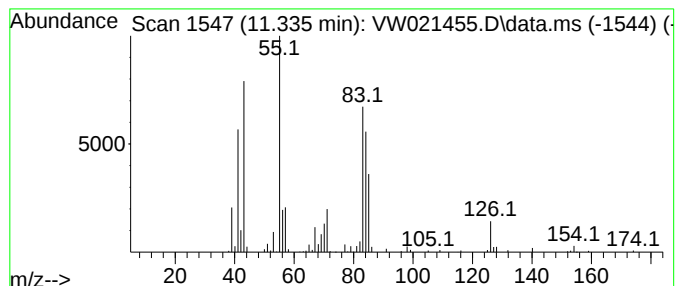
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	5.46 ug/L	140061	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	43
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
3		2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	43
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
5		2,3-Dimethyl-2-octene	140	C10H20	019781-18-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

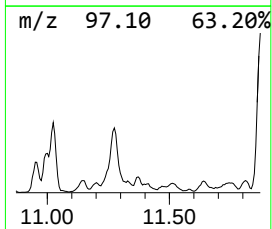
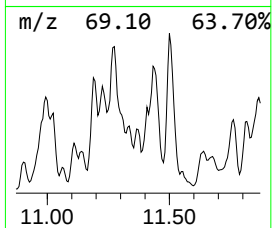
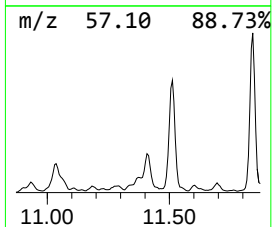
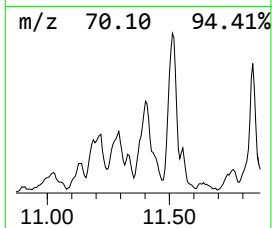
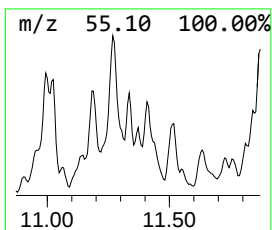
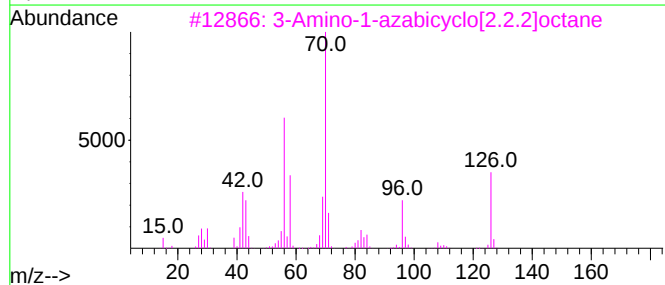
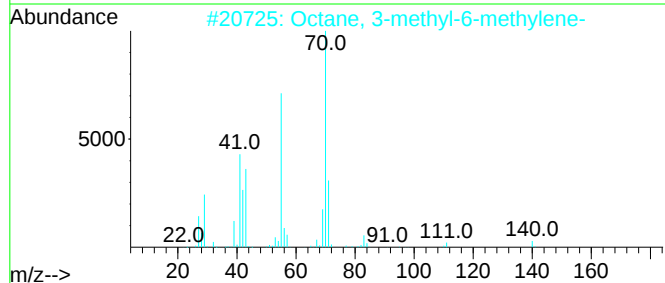
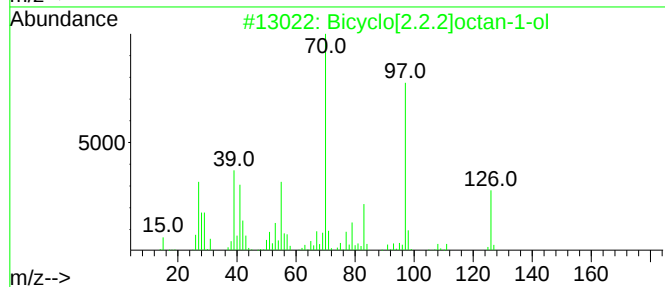
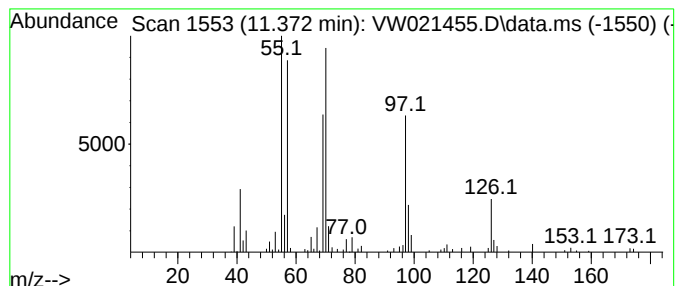
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Quant Title : SFAM01.0

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

Peak Number 21 Bicyclo[2.2.2]octan-1-ol Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.372	3.53 ug/L	90716	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	52
2			Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	38
3			3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	38
4			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	35
5			2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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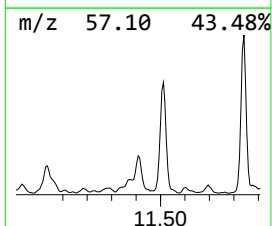
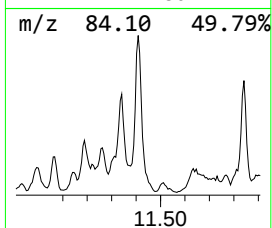
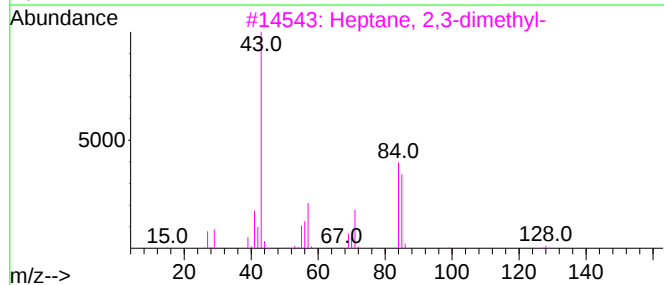
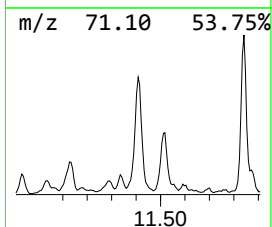
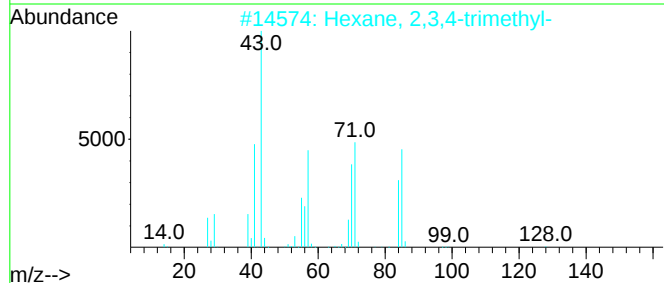
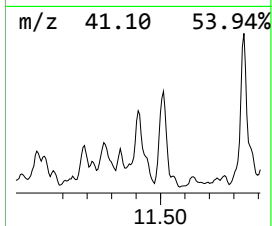
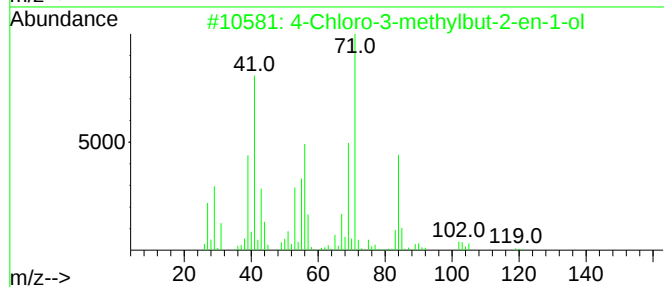
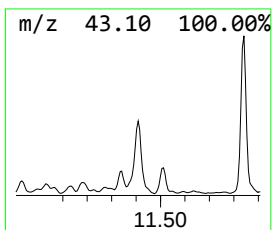
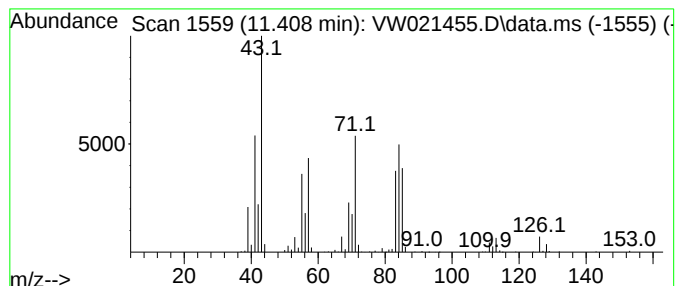
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Quant Title : SFAM01.0

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

Peak Number 22 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	17.61 ug/L	452077	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Chloro-3-methylbut-2-en-1-ol	120	C5H9ClO	053170-97-1	43
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
4		Ether, hexyl pentyl	172	C11H24O	032357-83-8	43
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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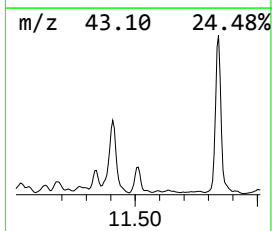
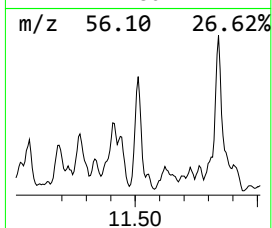
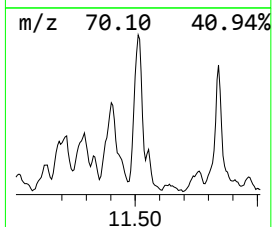
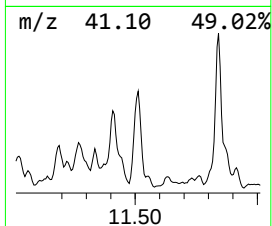
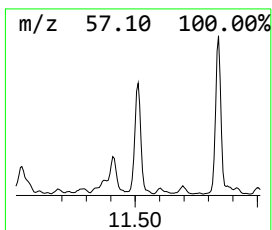
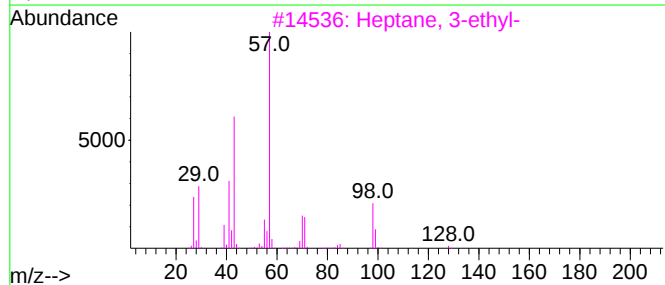
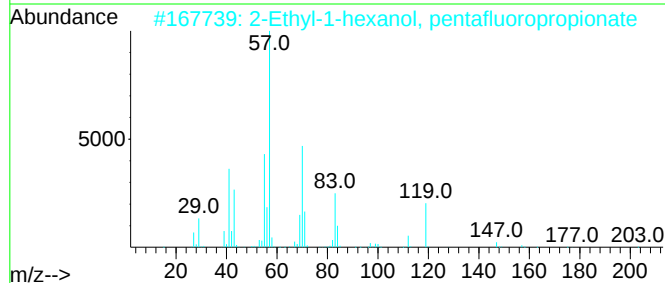
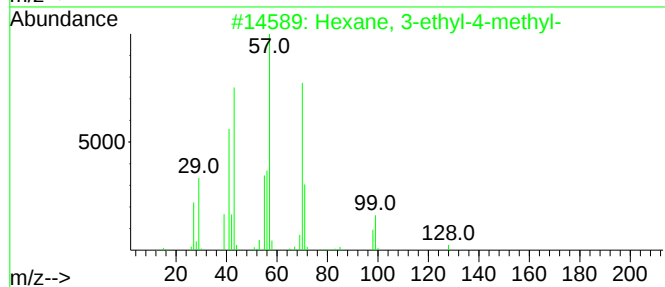
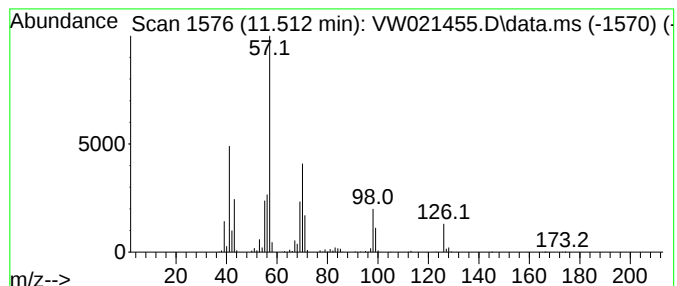
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	13.74 ug/L	352558	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	68
2		2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	959012-82-9	50
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	49
4		2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	47
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

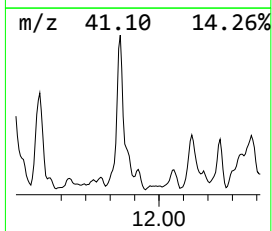
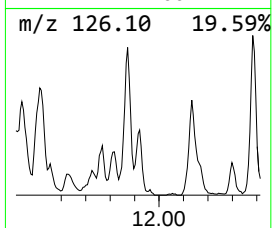
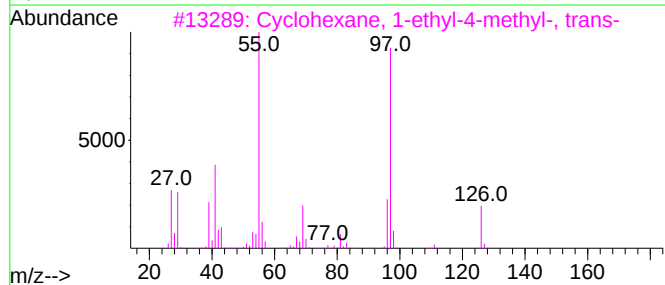
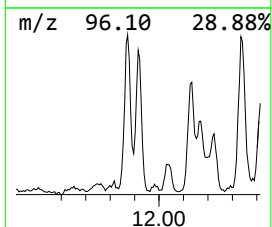
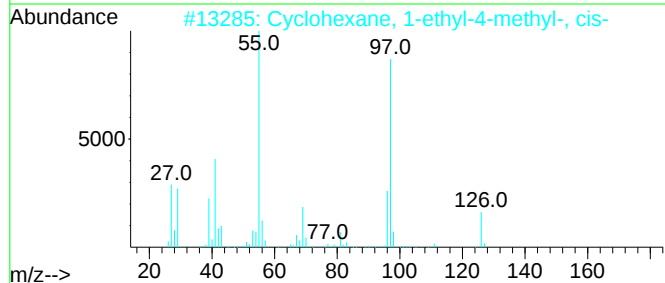
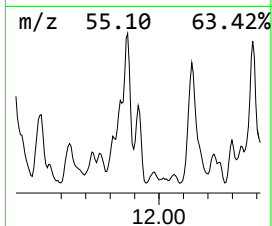
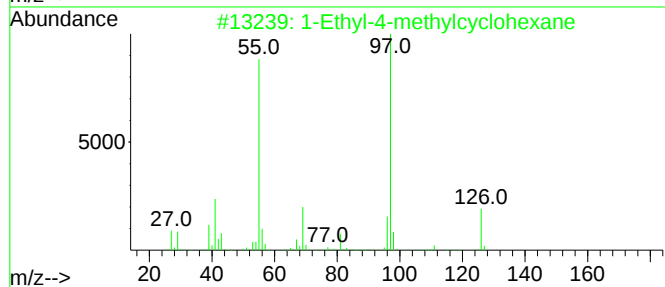
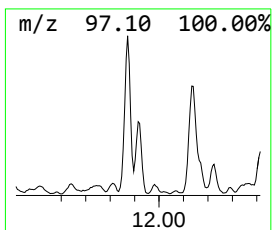
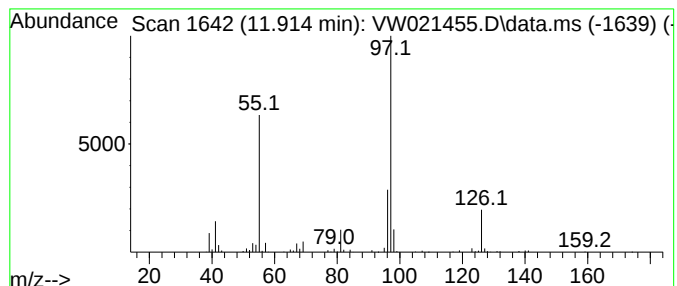
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.914	4.73 ug/L	121389	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5	4-Octen-3-one	126	C8H14O	014129-48-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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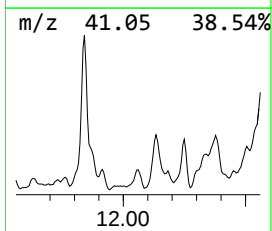
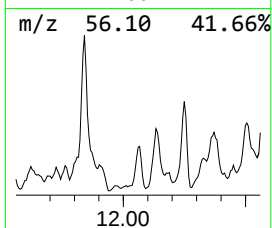
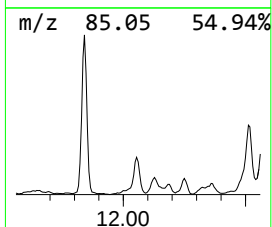
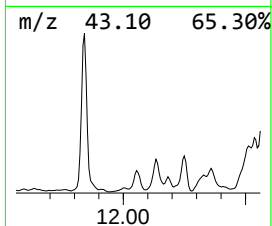
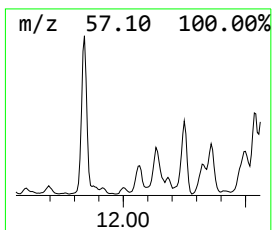
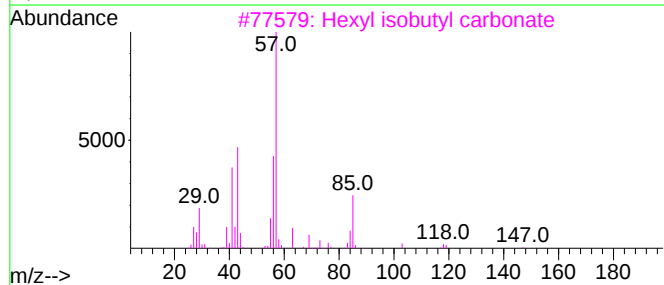
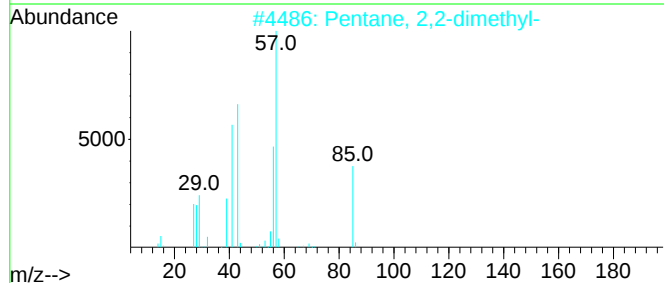
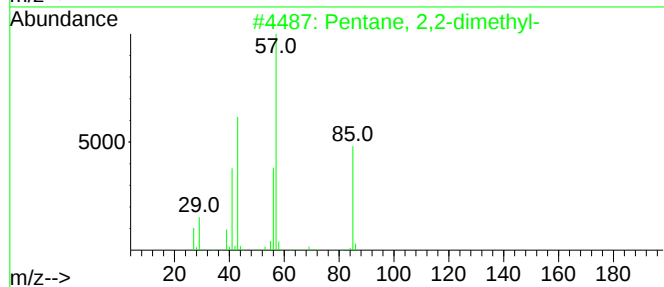
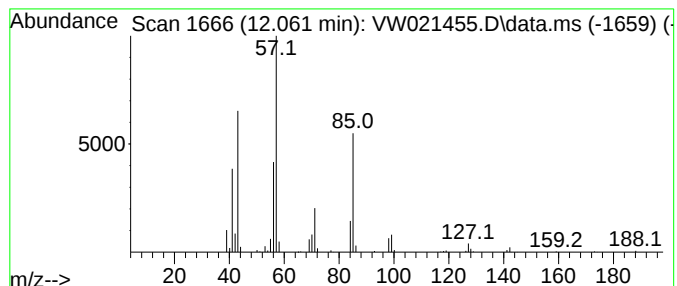
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.061	3.94 ug/L	101232	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
3			Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	47
4			2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	43
5			2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

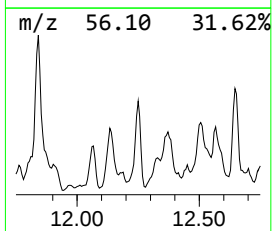
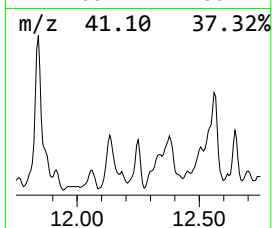
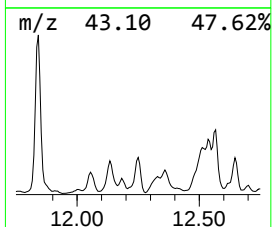
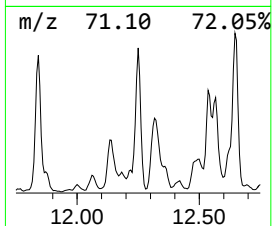
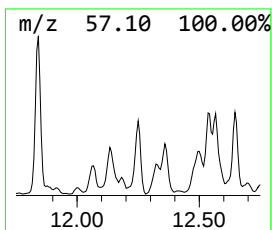
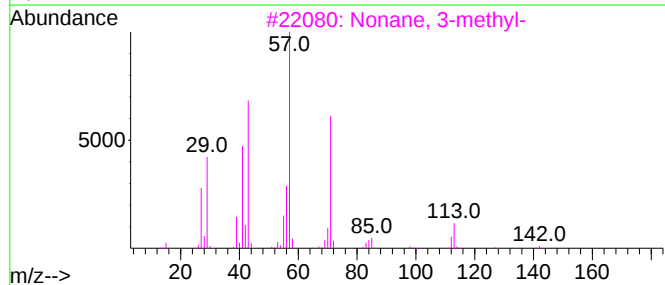
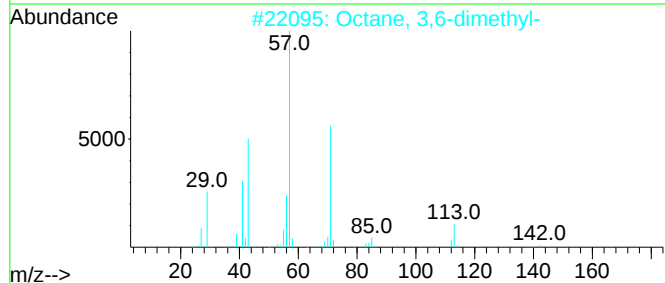
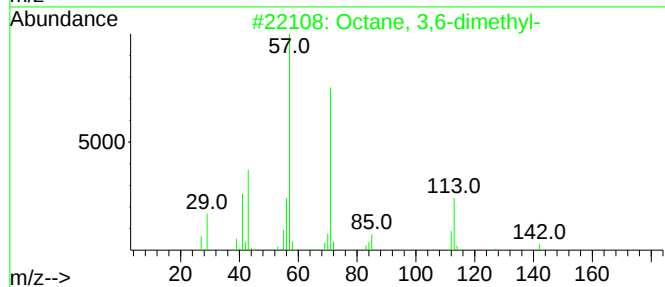
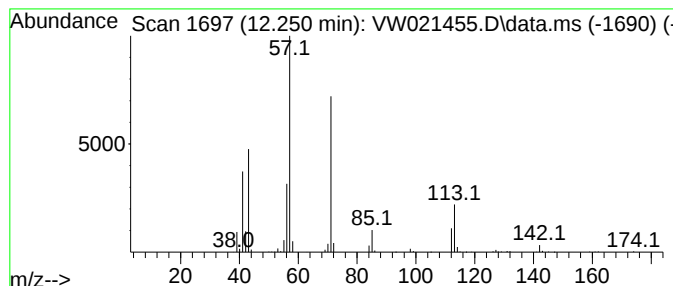
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	8.43 ug/L	216510	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

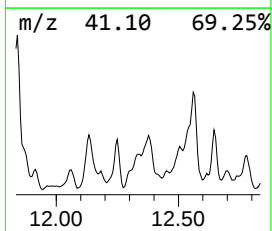
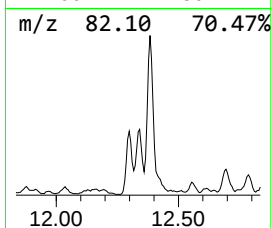
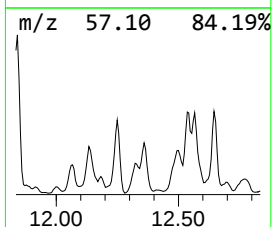
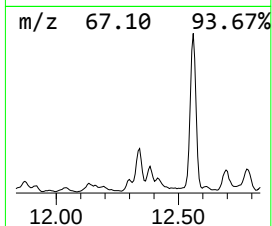
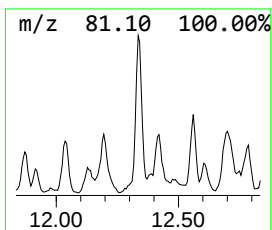
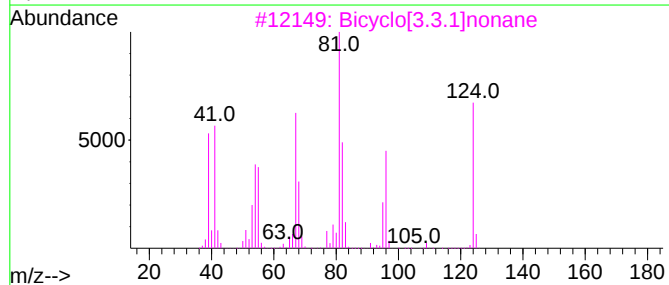
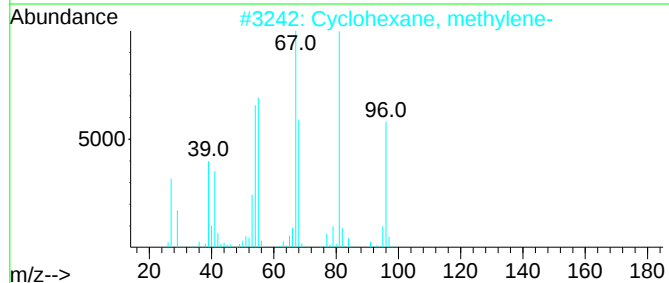
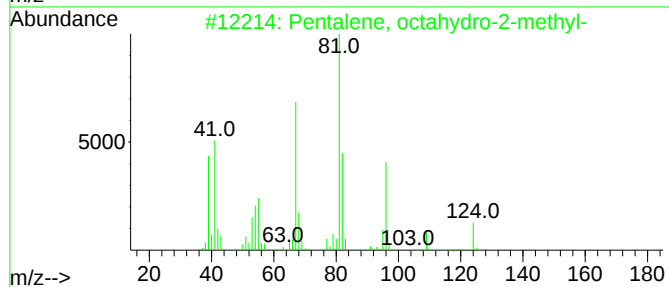
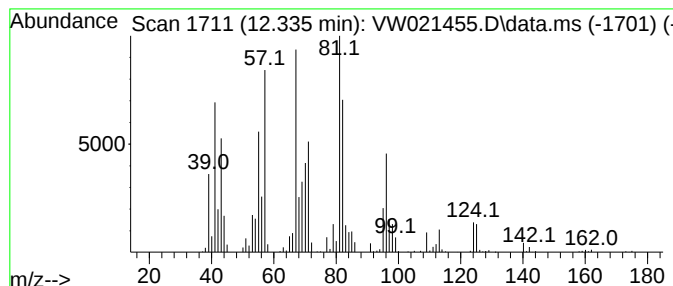
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Quant Title : SFAM01.0

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

Peak Number 27 Pentalene, octahydro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	13.93 ug/L	357562	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	58
2			Cyclohexane, methylene-	96	C7H12	001192-37-6	55
3			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	53
4			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49
5			Cyclohexane, methylene-	96	C7H12	001192-37-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

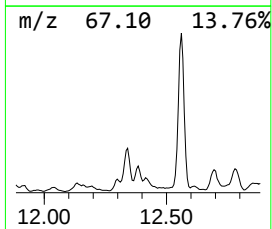
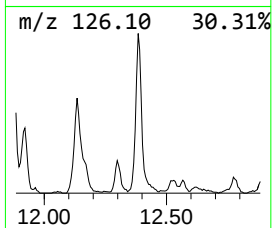
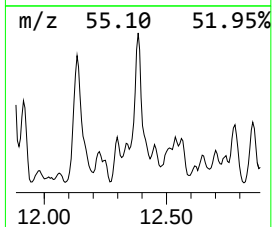
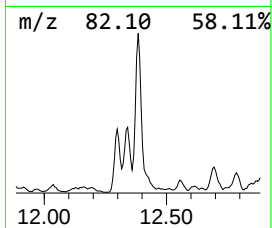
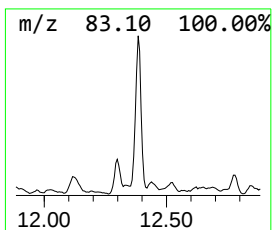
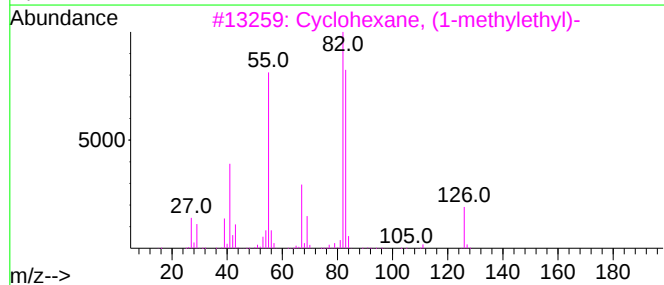
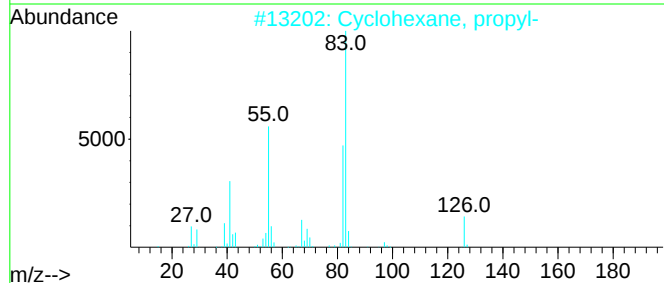
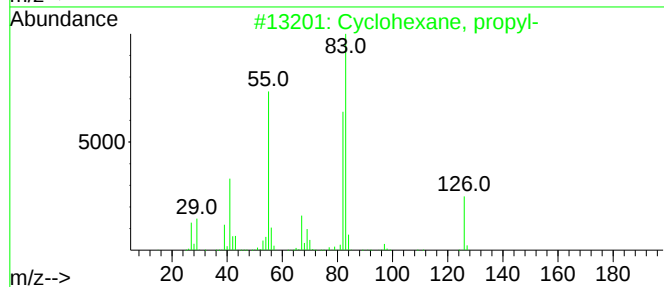
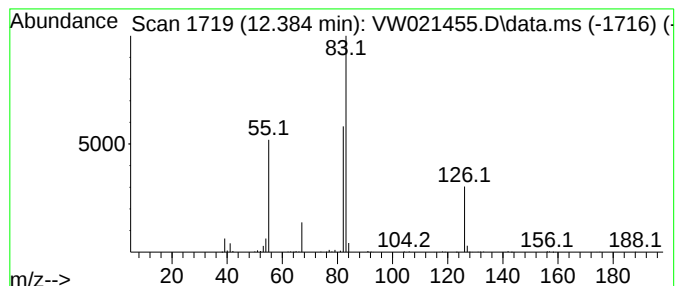
Instrument :
MSVOA_W
ClientSampleId :
BGL70

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic12.384 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.384	11.14 ug/L	285858	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

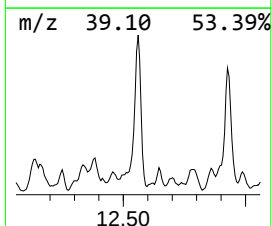
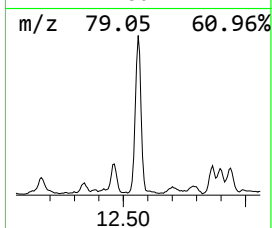
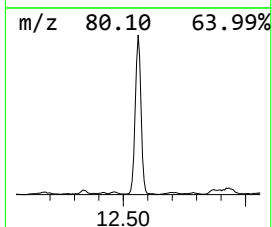
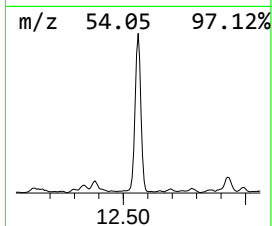
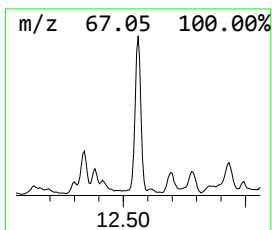
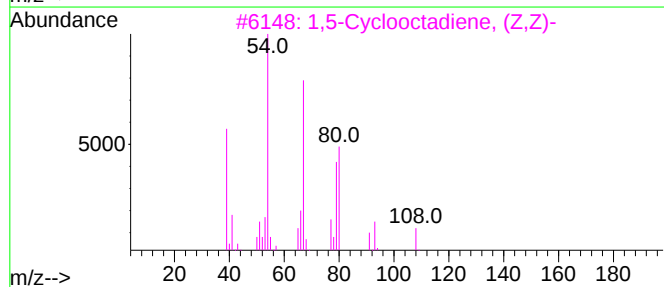
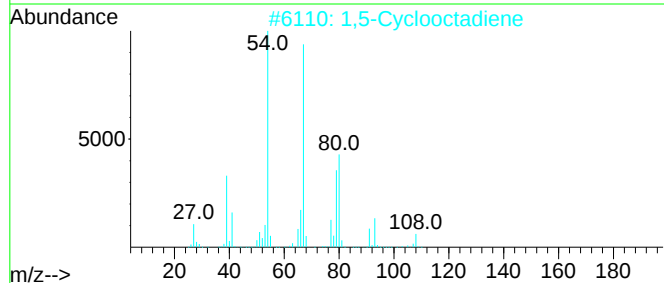
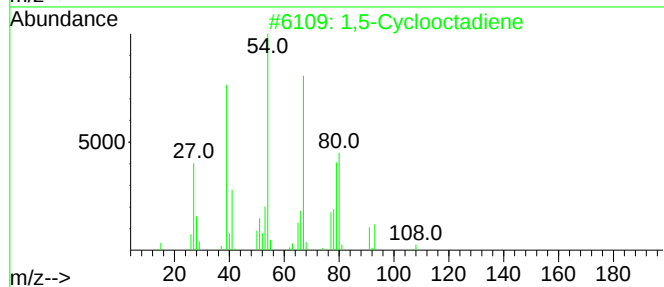
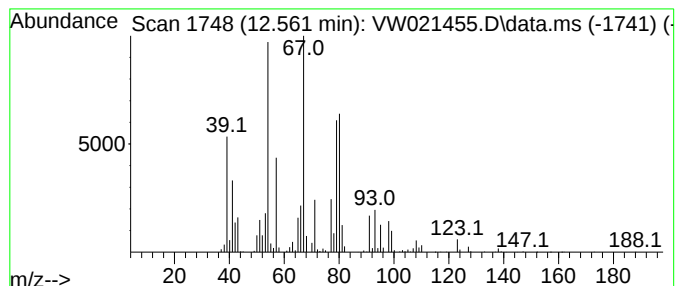
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Quant Title : SFAM01.0

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

Peak Number 29 1,5-Cyclooctadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.560	36.39 ug/L	934064	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,5-Cyclooctadiene	108	C8H12	000111-78-4	94
2			1,5-Cyclooctadiene	108	C8H12	000111-78-4	83
3			1,5-Cyclooctadiene, (Z,Z)-	108	C8H12	001552-12-1	78
4			Platinum, bis[(1,2,5,6-.eta.)-1,...	411	C16H24Pt	012130-66-4	78
5			1,5-Cyclooctadiene	108	C8H12	000111-78-4	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

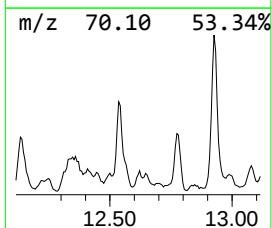
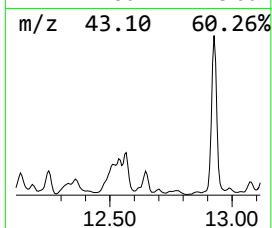
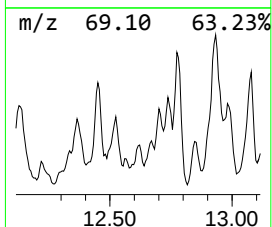
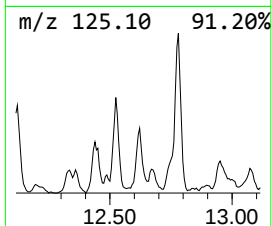
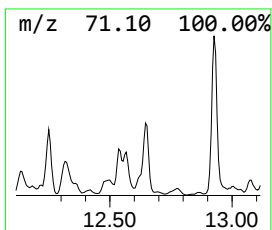
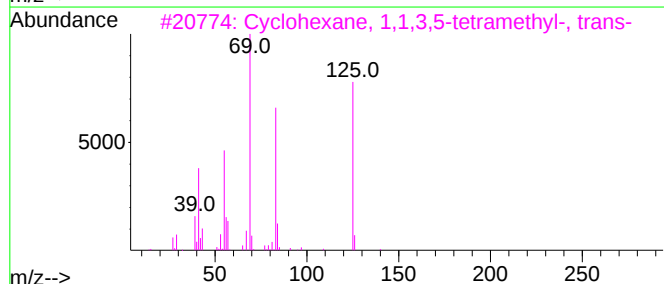
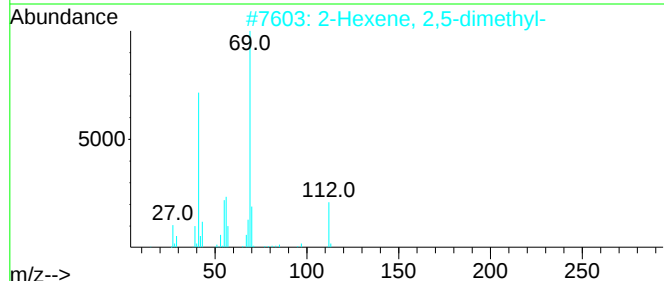
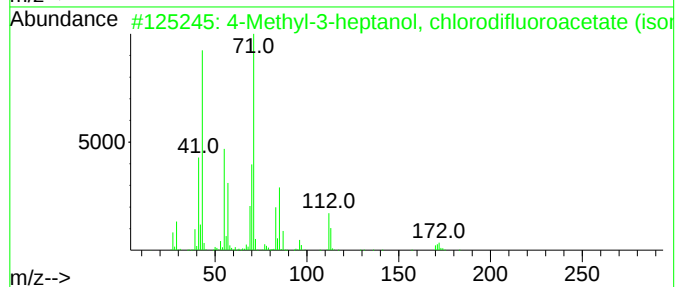
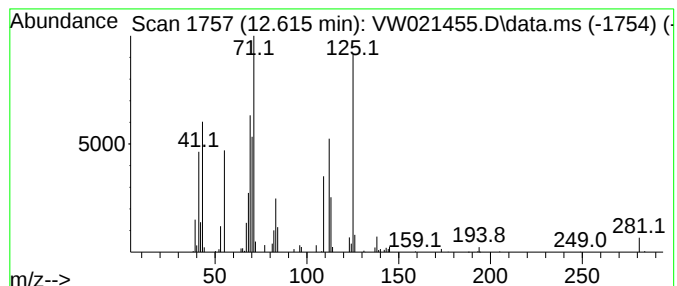
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 unknown-02

Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	2.36 ug/L	82272	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methyl-3-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-4	32
2			2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	18
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	14
4			4-amino-1-methyl-1,2-dihydropyri...	125	C5H7N3O	001122-47-0	14
5			2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

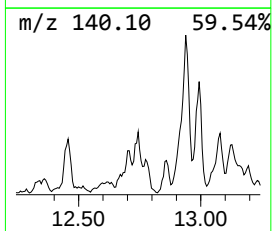
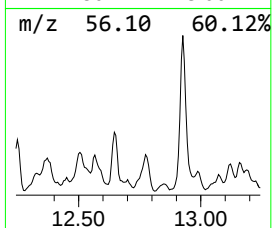
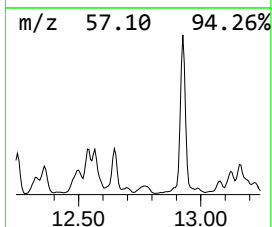
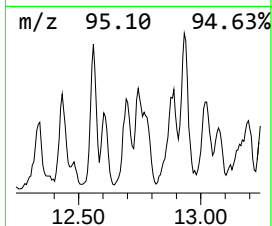
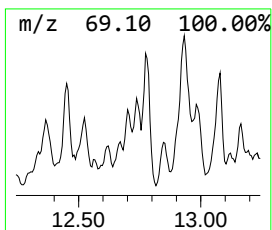
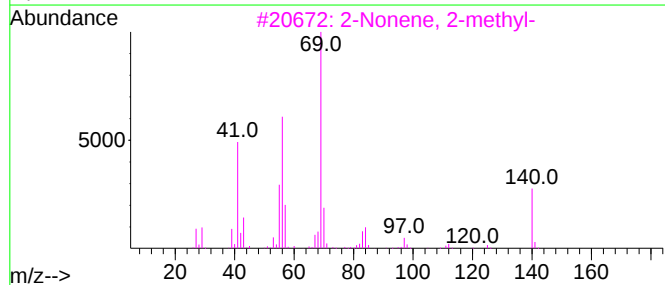
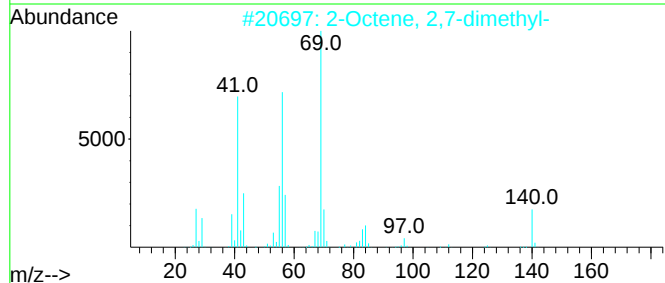
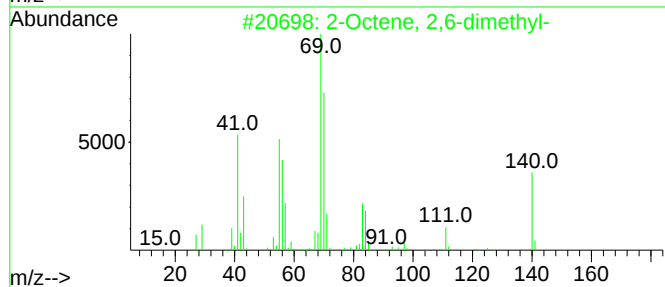
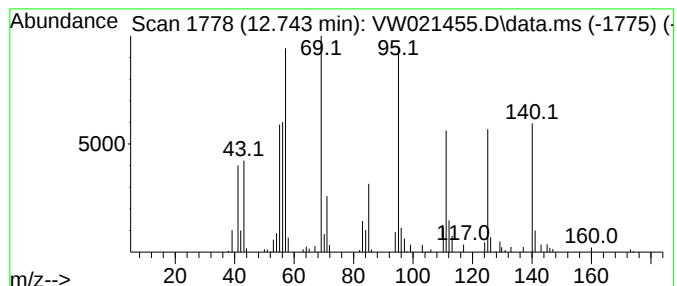
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.743	2.21 ug/L	77030	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	38
2		2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	35
3		2-Nonene, 2-methyl-	140	C10H20	002129-95-5	35
4		Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	27
5		Cyclooctane, ethyl-	140	C10H20	013152-02-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

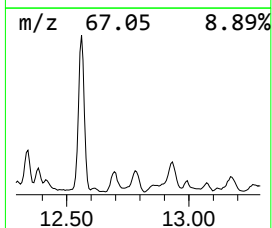
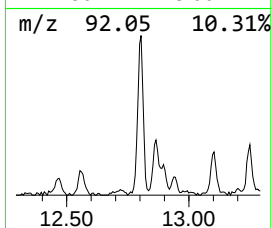
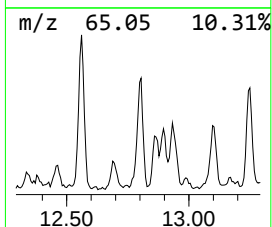
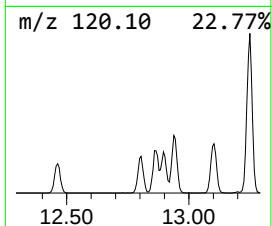
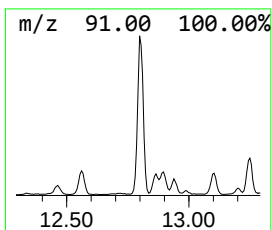
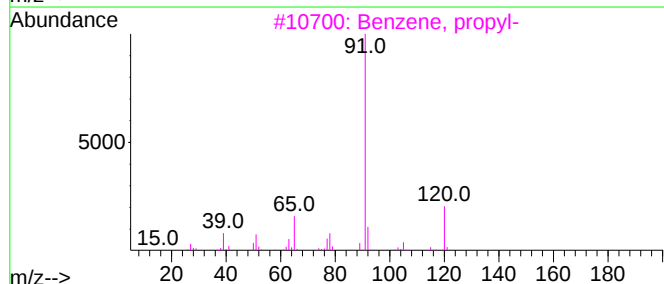
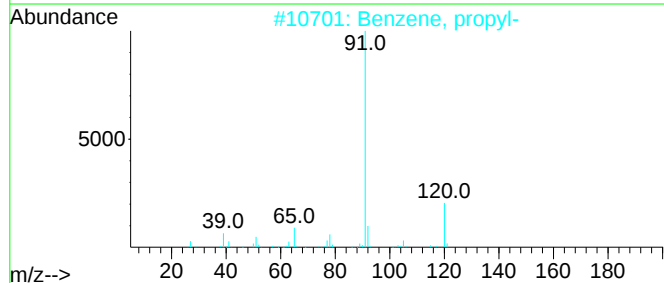
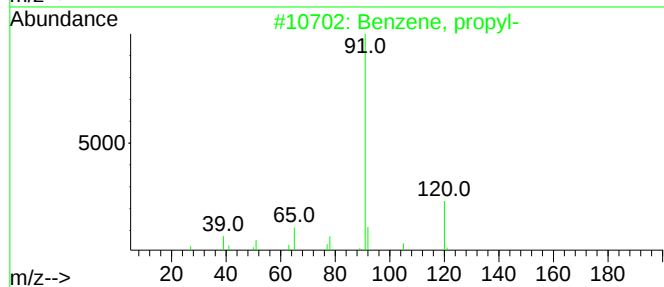
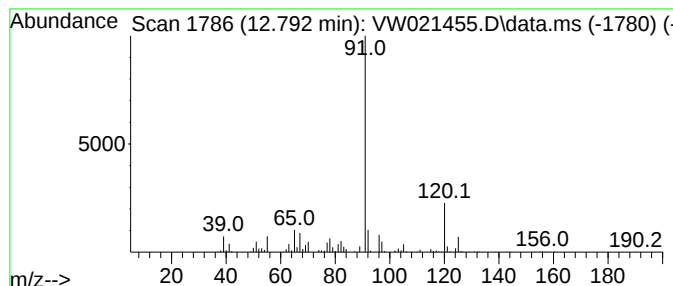
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.792	9.76 ug/L	340351	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	76
3			Benzene, propyl-	120	C9H12	000103-65-1	76
4			Benzene, propyl-	120	C9H12	000103-65-1	68
5			Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

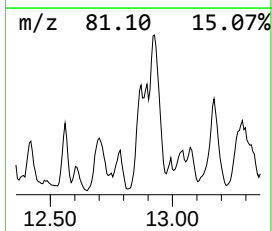
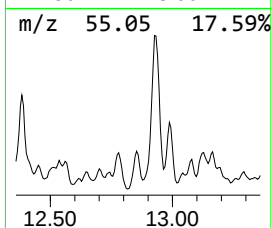
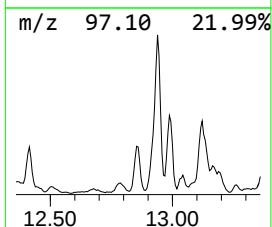
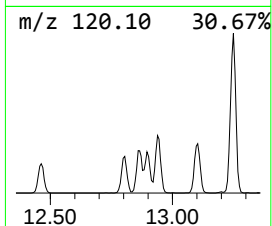
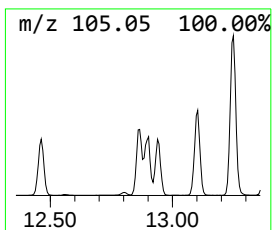
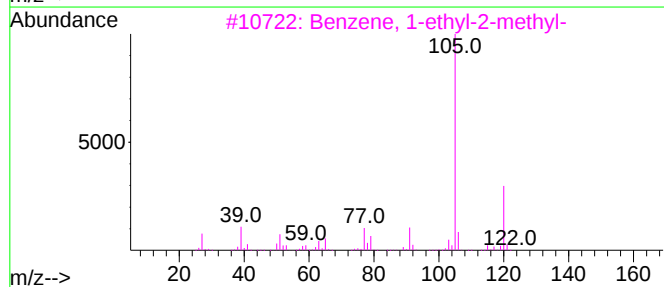
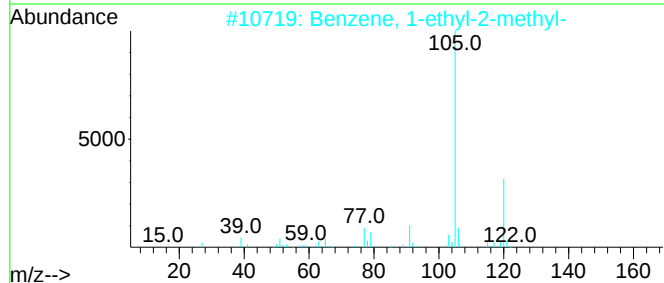
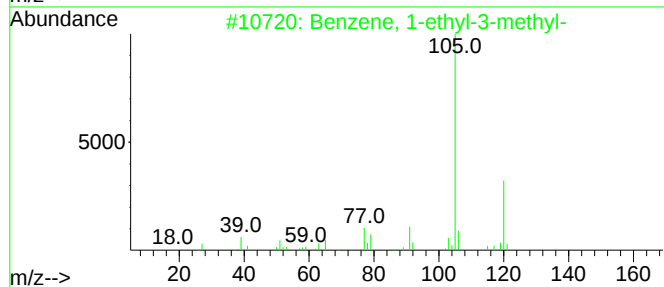
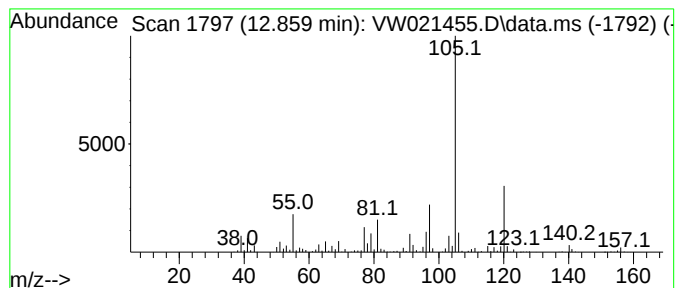
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 1-ethyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	8.76 ug/L	305562	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

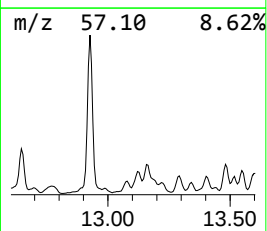
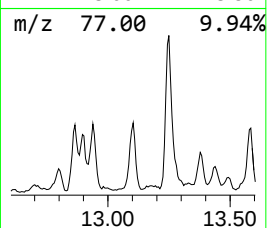
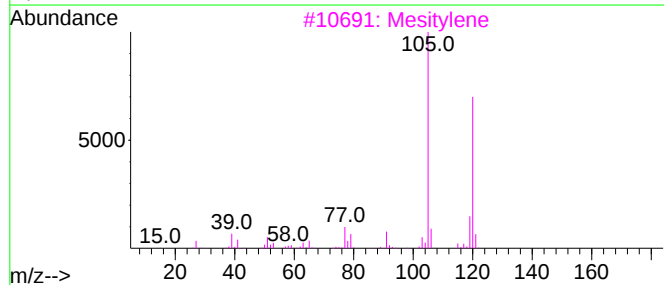
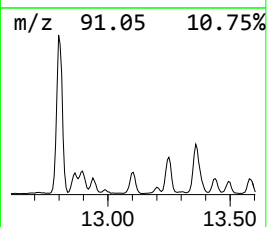
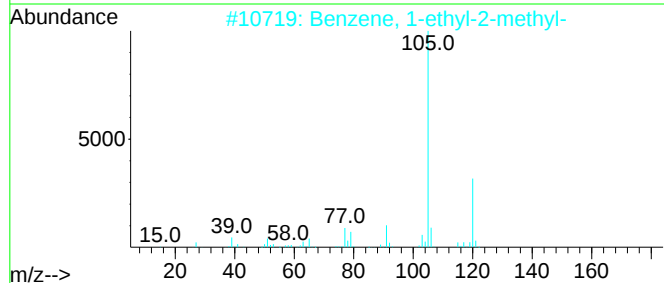
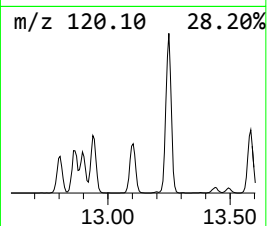
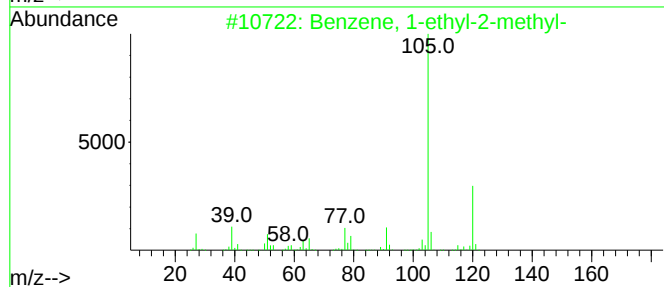
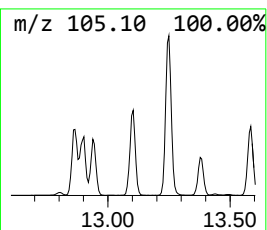
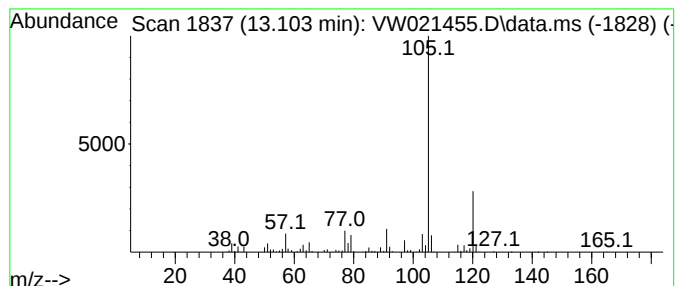
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	16.66 ug/L	580909	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	93
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3			Mesitylene	120	C9H12	000108-67-8	90
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

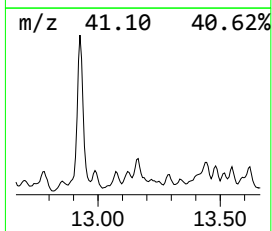
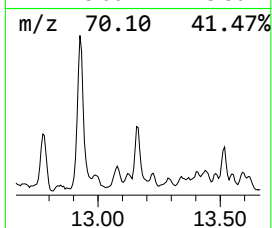
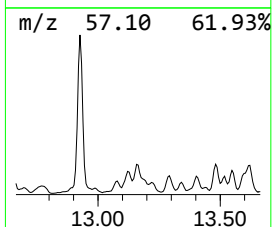
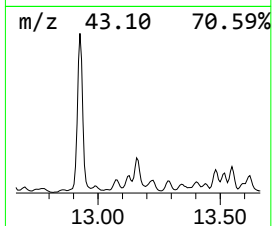
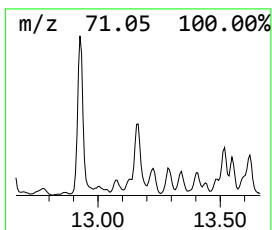
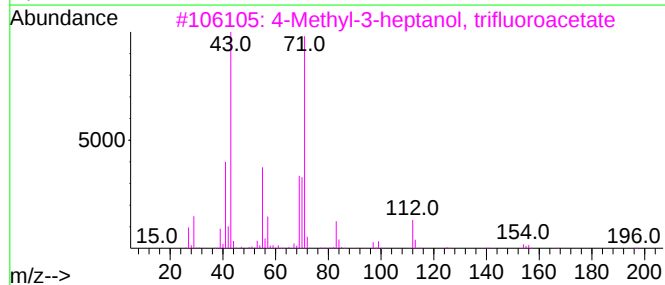
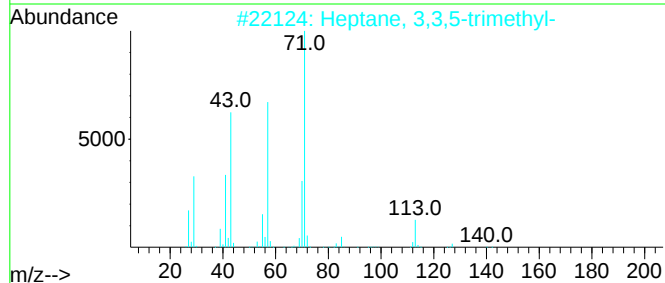
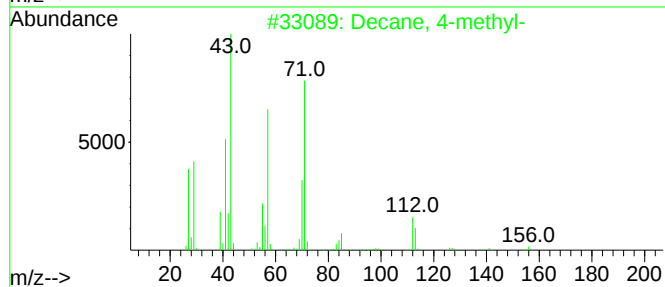
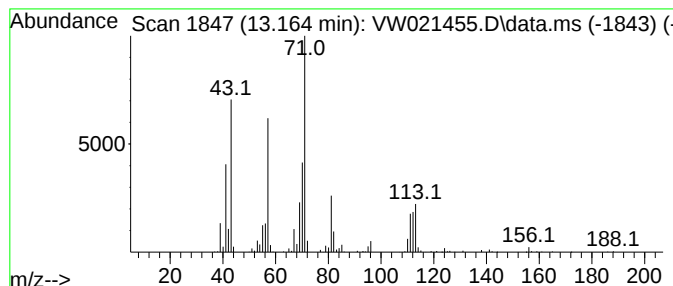
Instrument :
MSVOA_W
ClientSampleId :
BGL70

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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.164	11.76 ug/L	409933	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	72
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	64
3	4-Methyl-3-heptanol, trifluoroac...		226	C10H17F3O2	1000365-51-8	59
4	Decane, 4-methyl-		156	C11H24	002847-72-5	59
5	Nonane, 2,6-dimethyl-		156	C11H24	017302-28-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

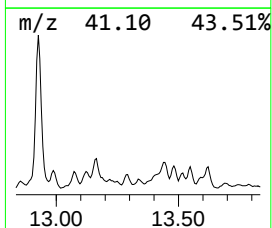
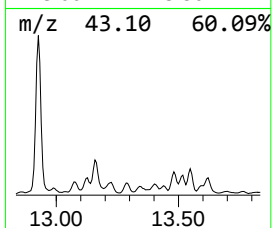
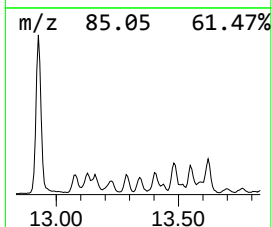
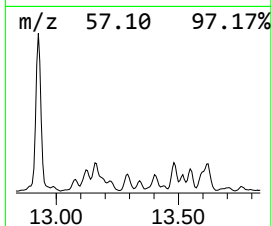
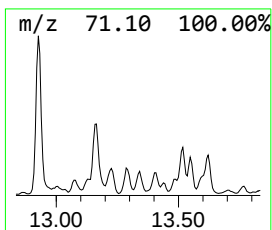
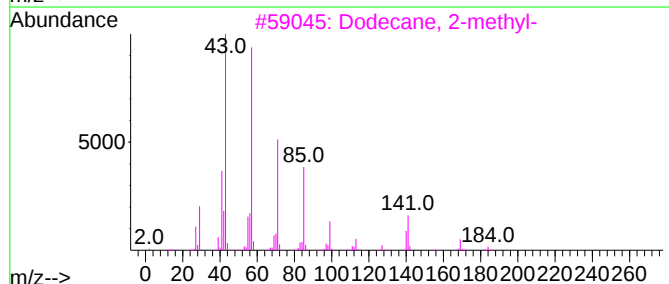
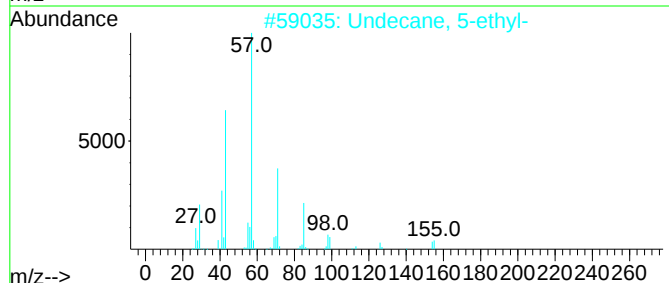
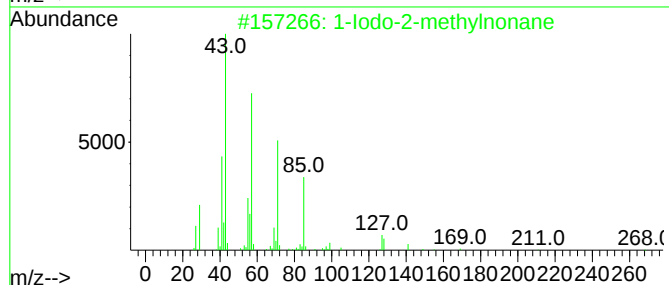
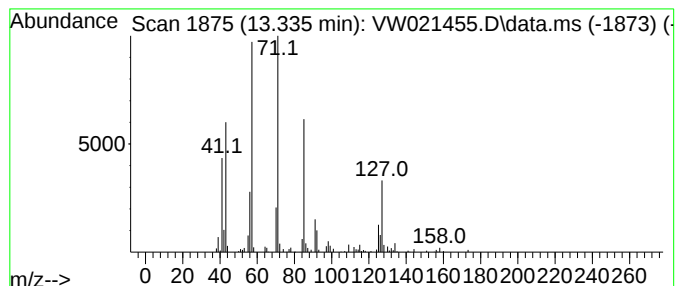
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 36 1-Iodo-2-methylnonane Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.335	3.57 ug/L	124306	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	59
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	50
5	4-Octanone	128	C8H16O	000589-63-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

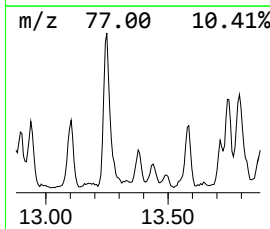
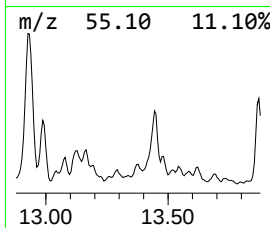
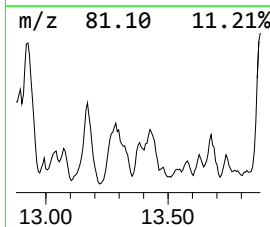
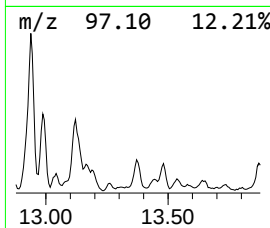
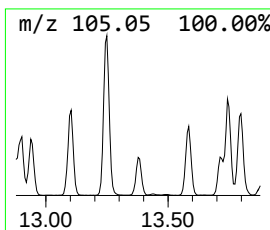
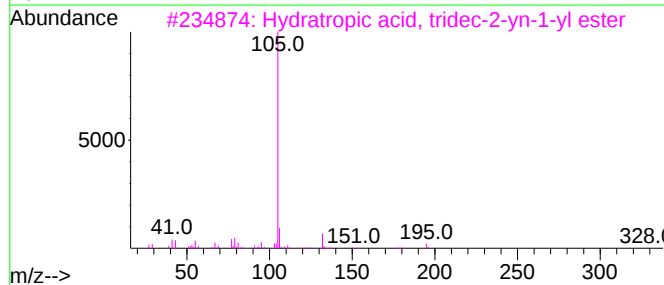
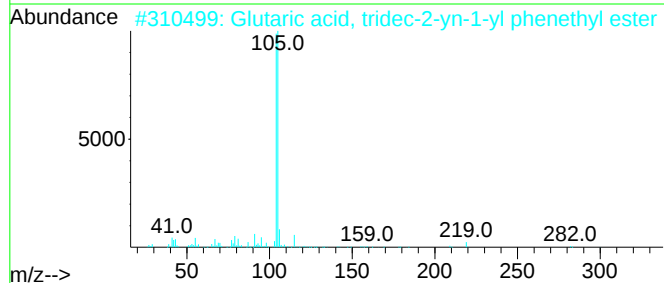
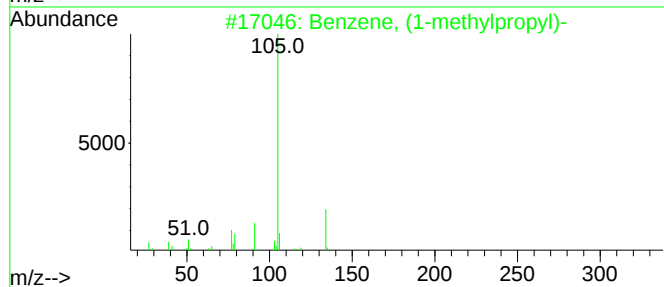
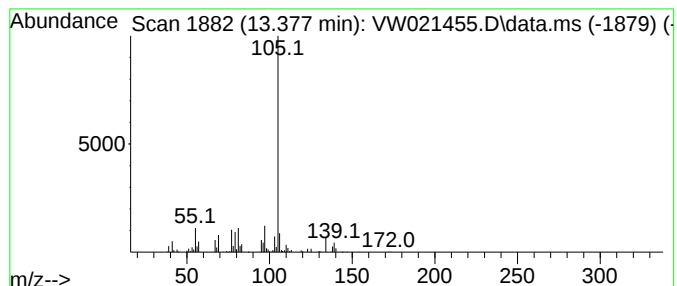
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-03 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	6.13 ug/L	213760	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38
2			Glutaric acid, tridec-2-yn-1-yl ...	414	C26H38O4	1000391-80-0	38
3			Hydratropic acid, tridec-2-yn-1-...	328	C22H32O2	1010406-96-1	38
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	35
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

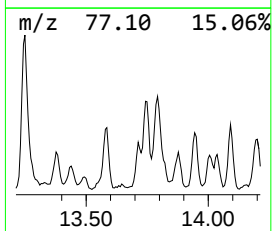
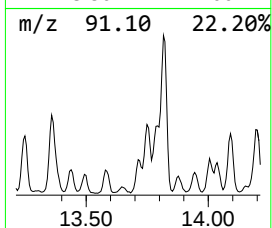
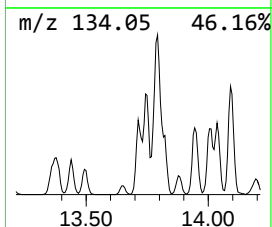
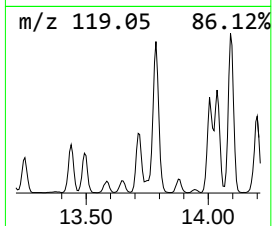
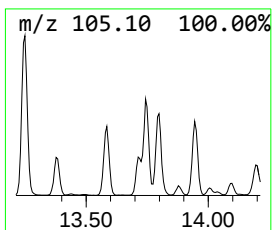
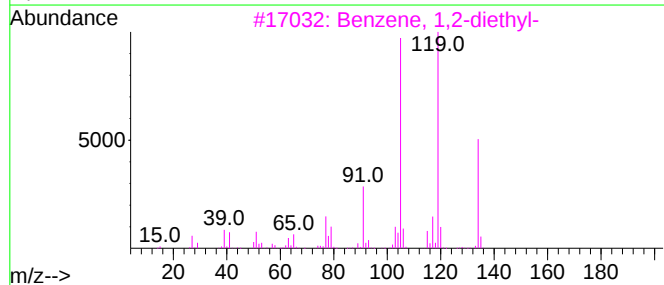
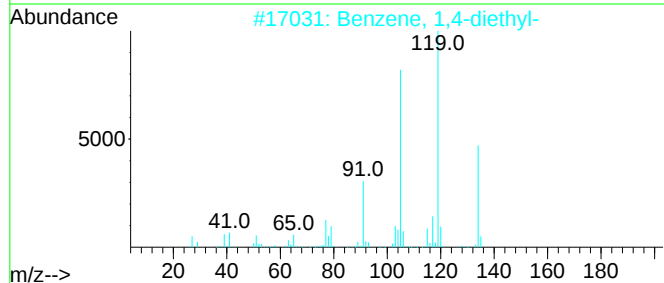
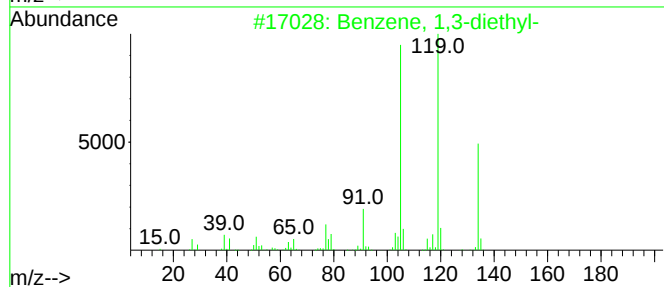
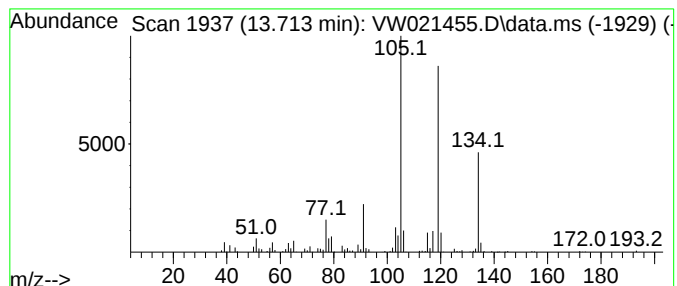
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Quant Title : SFAM01.0

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

Peak Number 38 Benzene, 1,3-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	6.80 ug/L	236946	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	95
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

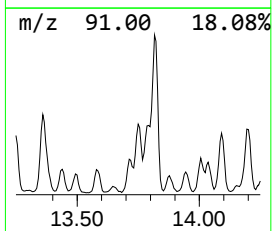
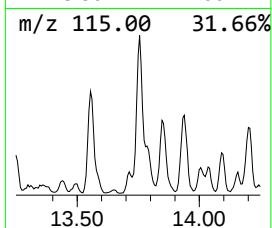
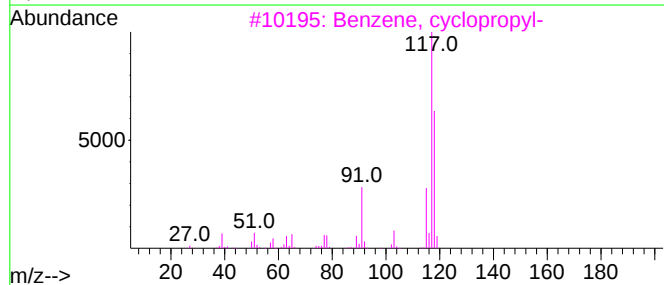
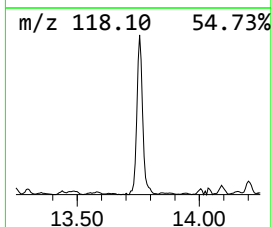
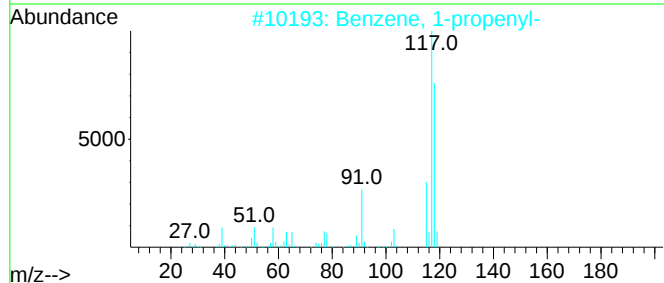
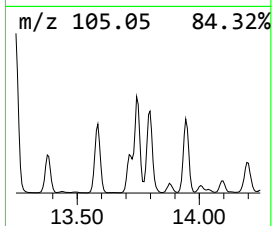
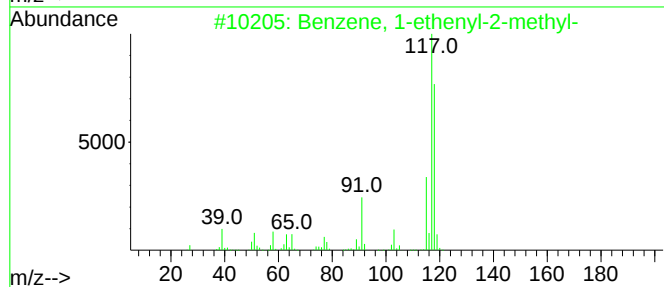
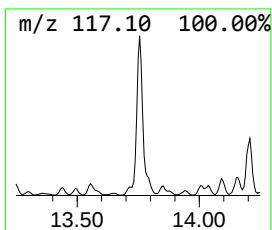
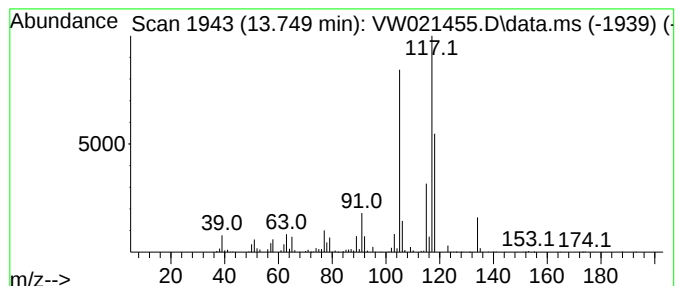
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Quant Title : SFAM01.0

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

Peak Number 39 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	16.05 ug/L	559581	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
2			Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4			Indane	118	C9H10	000496-11-7	64
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

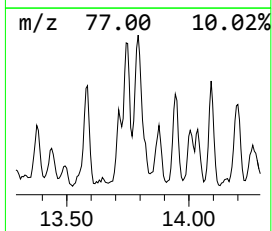
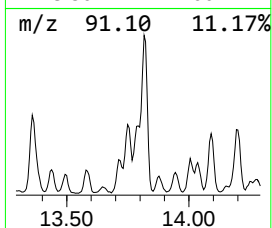
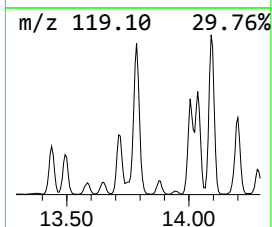
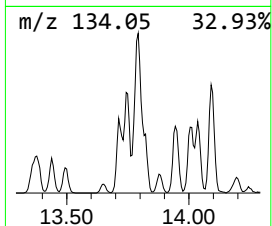
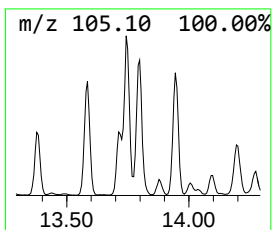
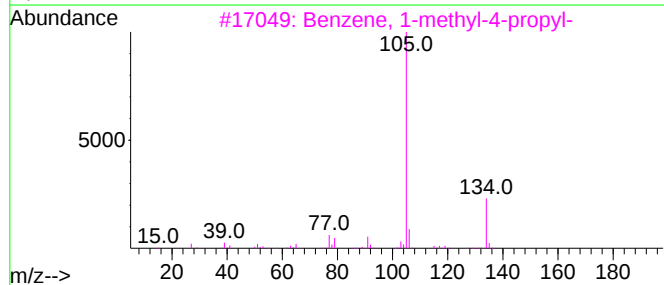
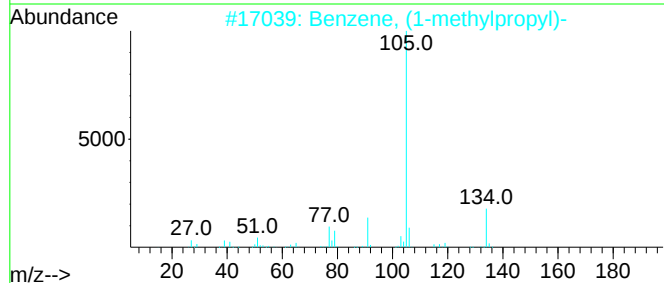
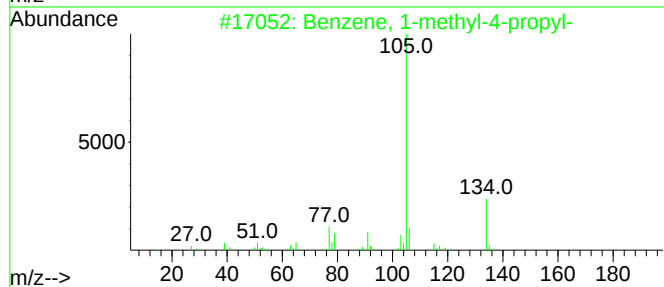
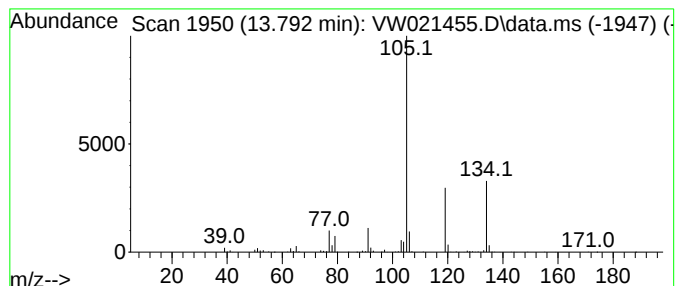
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1-methyl-4-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	14.66 ug/L	511183	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	72
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	68
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

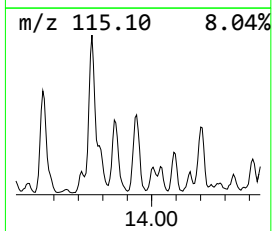
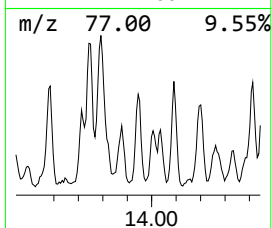
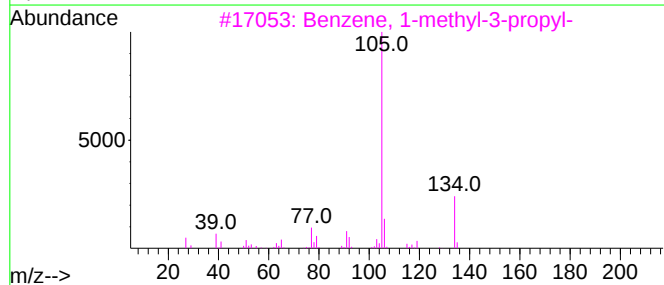
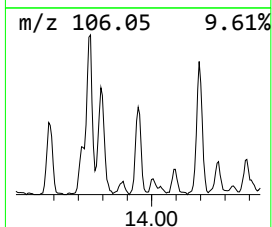
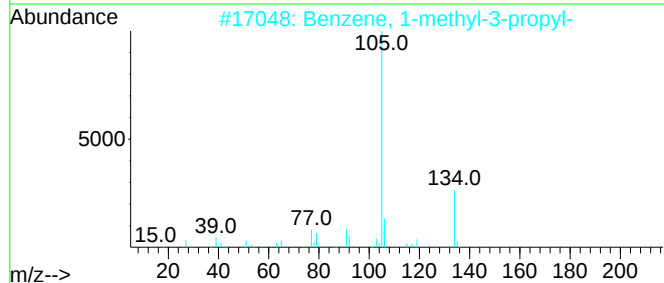
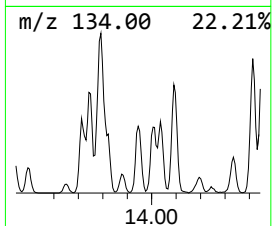
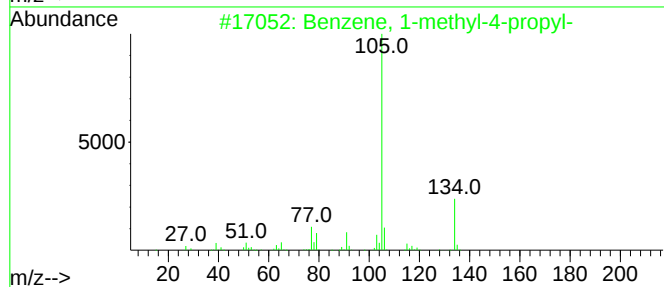
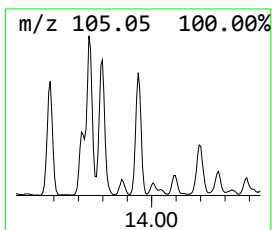
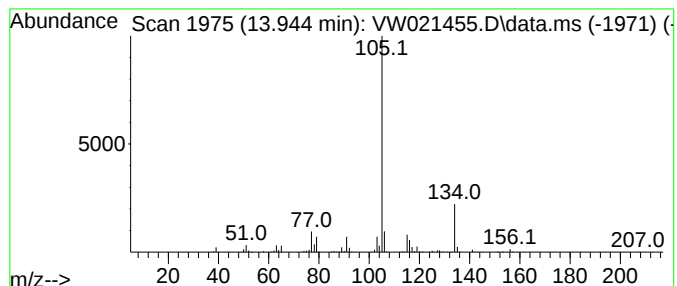
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Quant Title : SFAM01.0

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

Peak Number 41 Benzene, 1-methyl-3-propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	7.61 ug/L	265310	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-methyl-3-propyl-	134	C10H14	001074-43-7	87
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

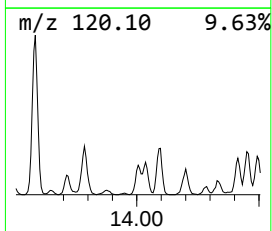
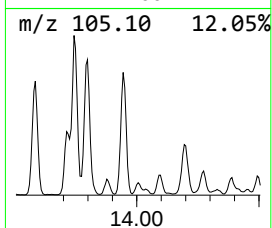
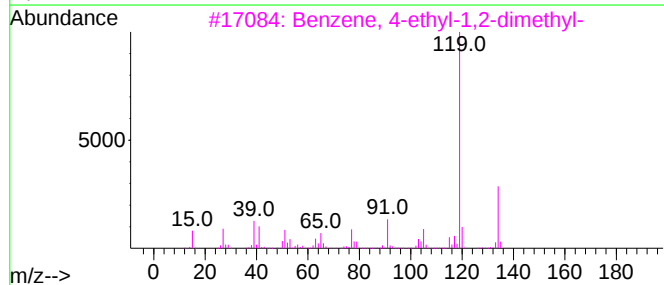
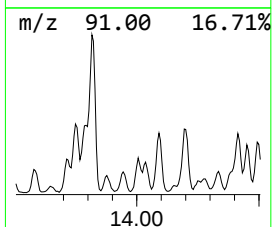
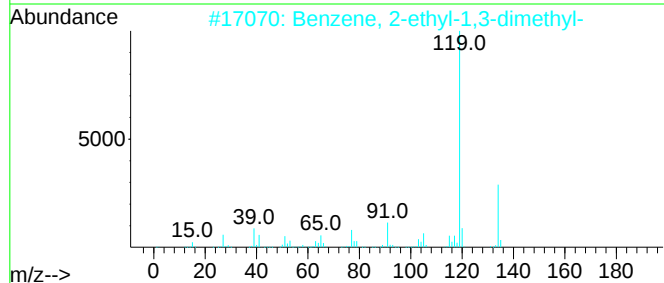
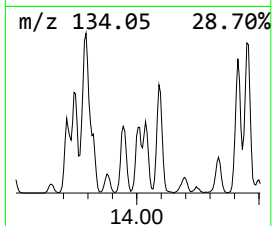
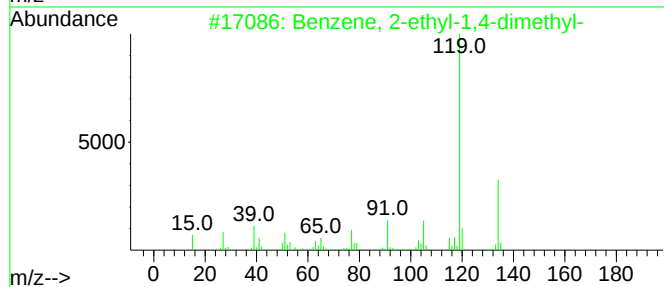
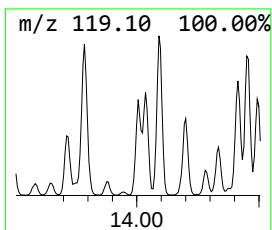
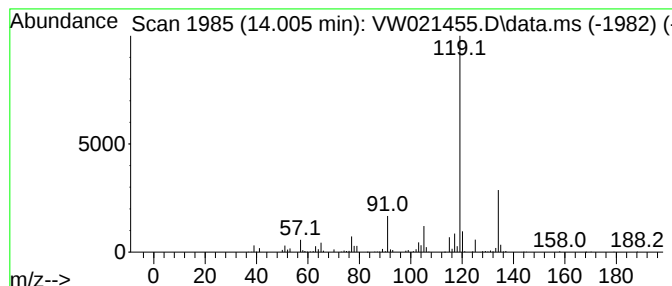
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Quant Title : SFAM01.0

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

Peak Number 42 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	6.20 ug/L	216263	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-1,3-dimethyl-	134	C10H14	002870-04-4	94
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

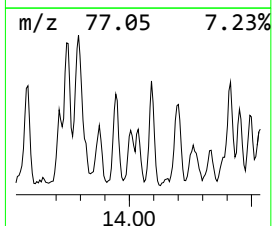
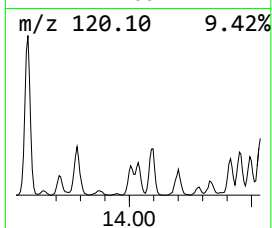
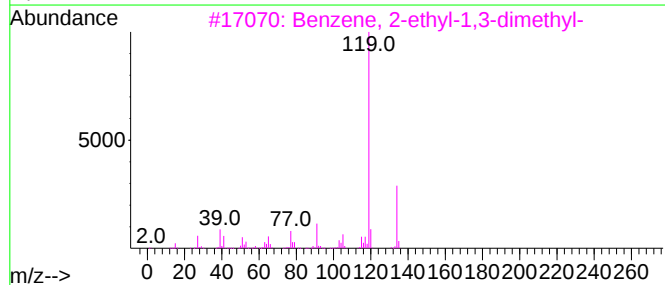
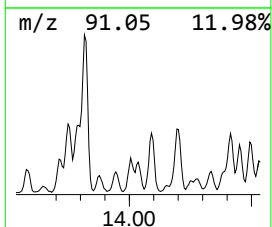
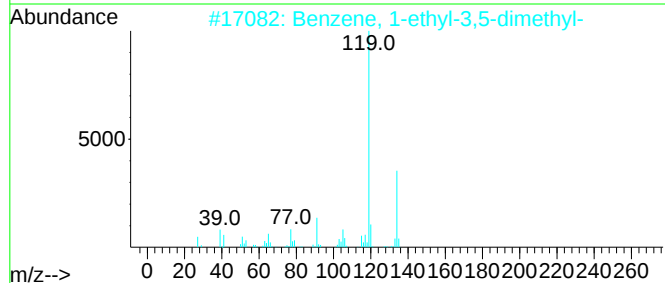
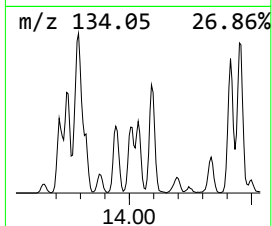
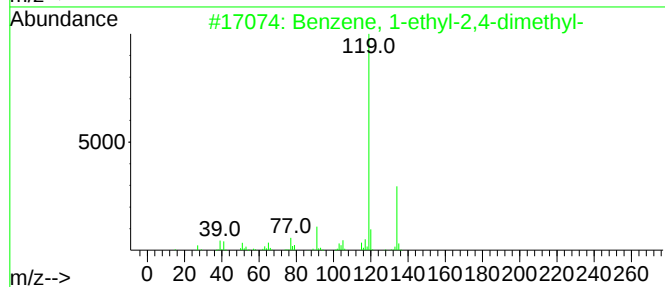
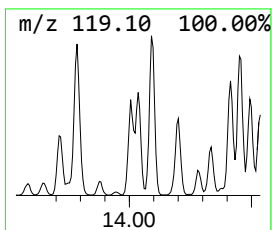
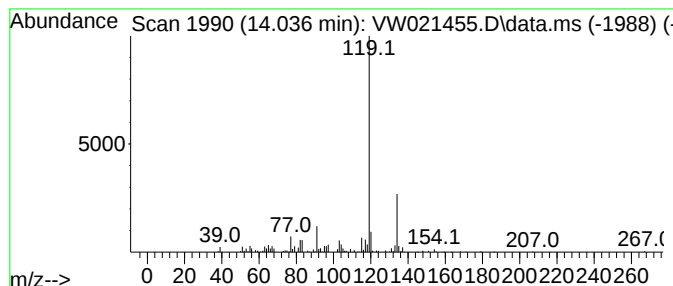
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	5.45 ug/L	189874	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	94
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

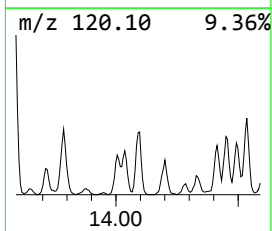
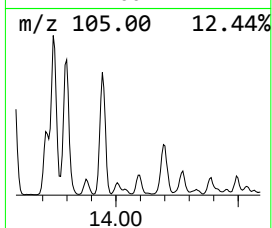
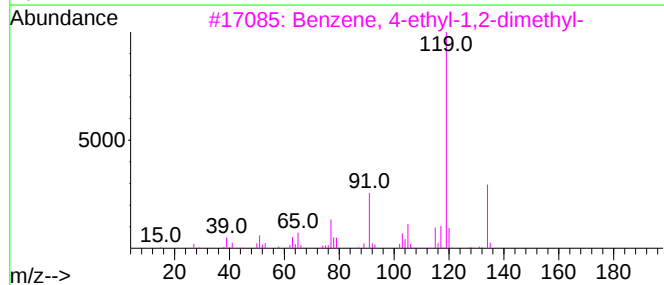
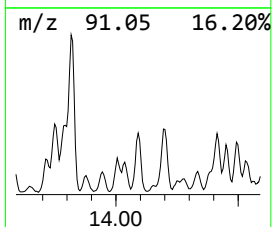
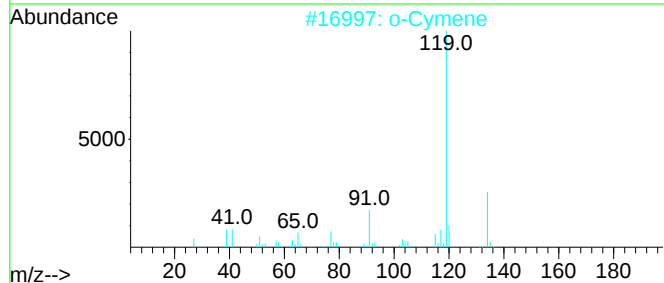
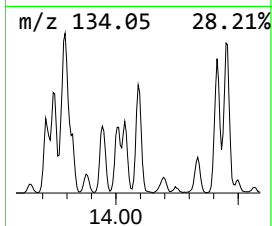
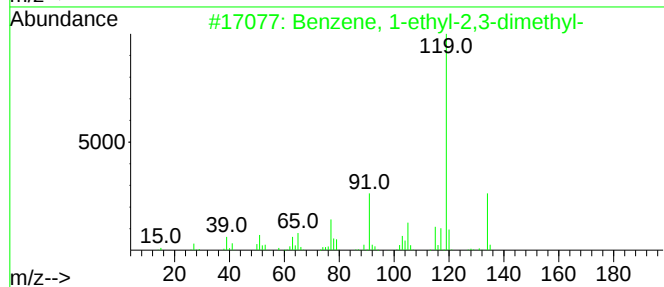
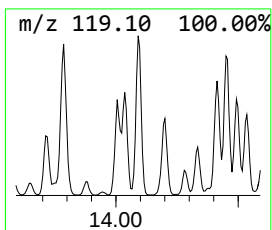
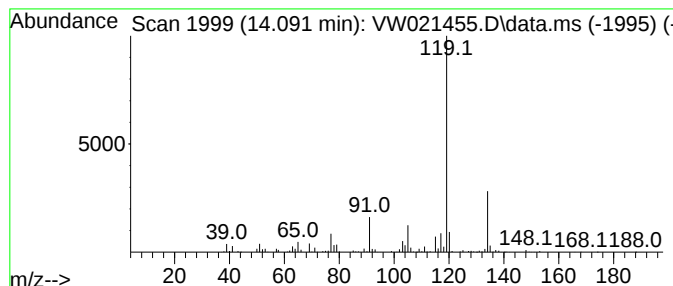
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	9.66 ug/L	336885	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

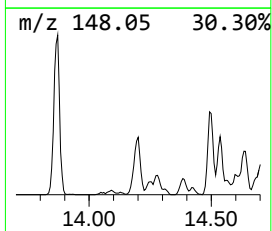
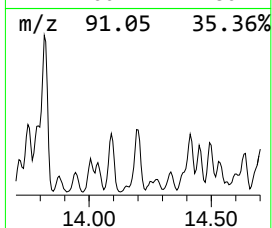
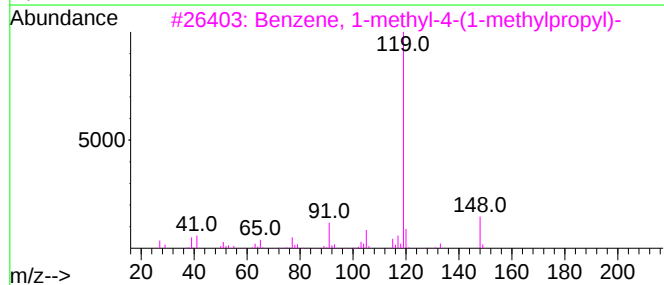
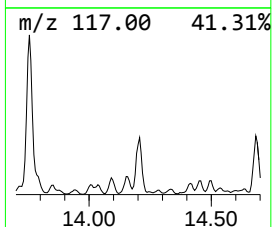
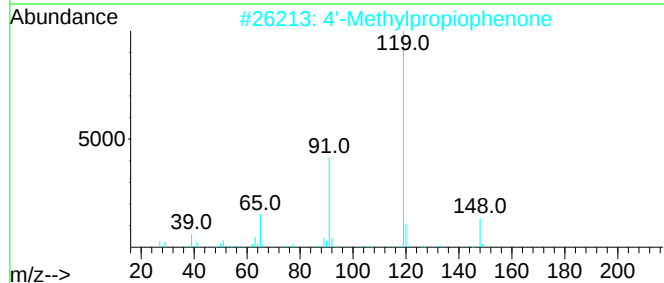
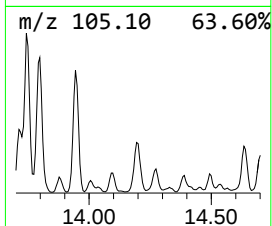
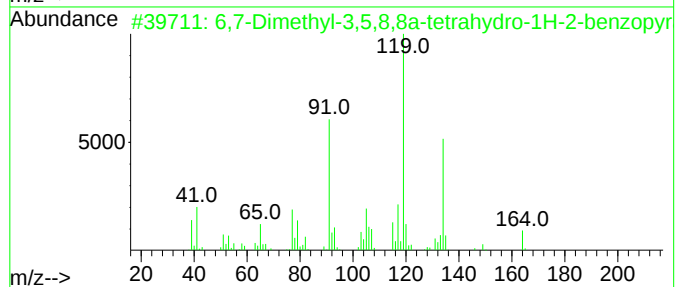
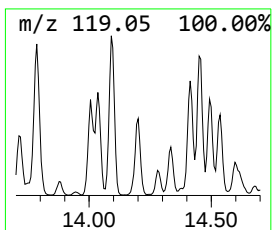
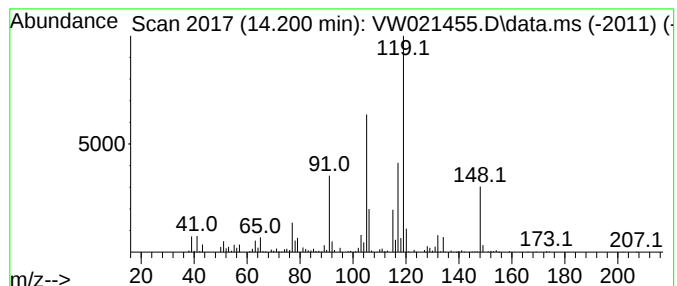
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Quant Title : SFAM01.0

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

Peak Number 45 6,7-Dimethyl-3,5,8,8a-tetra... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	7.48 ug/L	260701	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	59
2			4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
5			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

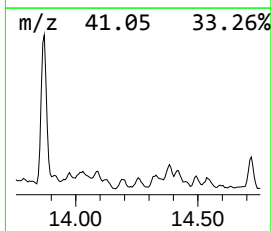
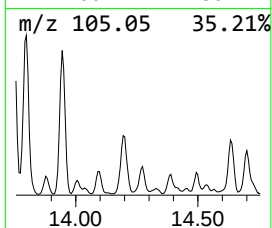
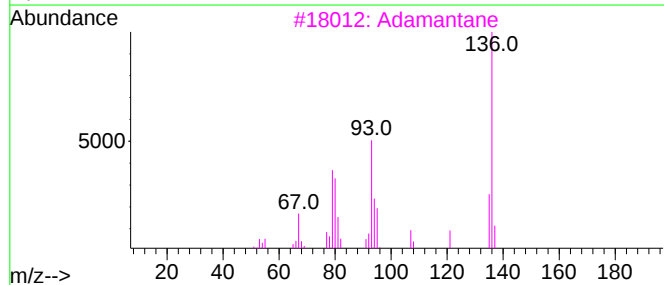
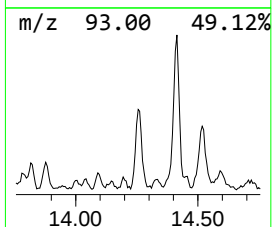
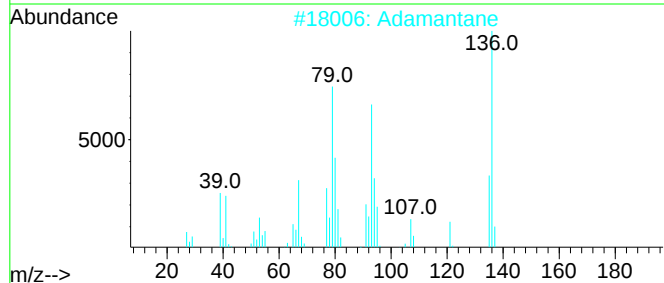
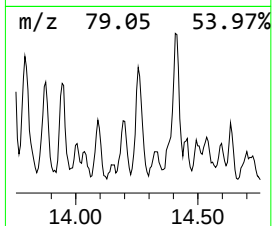
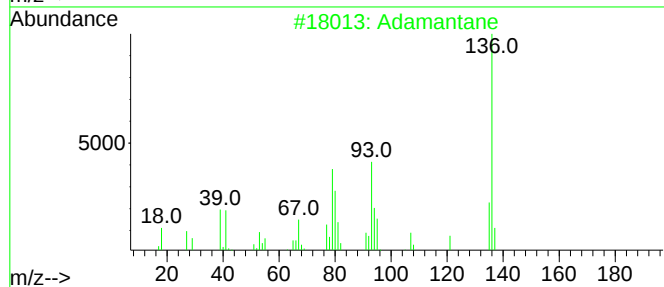
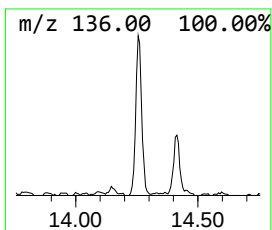
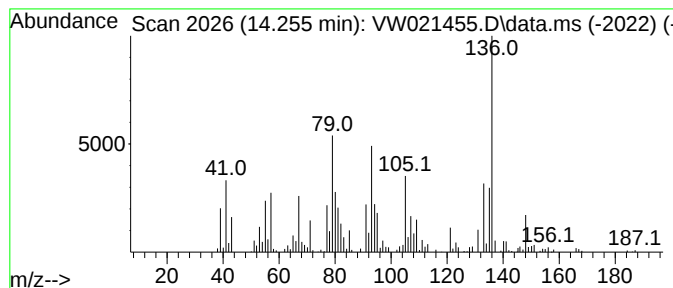
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Quant Title : SFAM01.0

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

Peak Number 46 Adamantane Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	4.28 ug/L	149347	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane	136	C10H16	000281-23-2	91
2			Adamantane	136	C10H16	000281-23-2	91
3			Adamantane	136	C10H16	000281-23-2	89
4			Adamantane	136	C10H16	000281-23-2	86
5			Adamantane	136	C10H16	000281-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

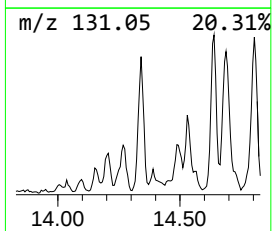
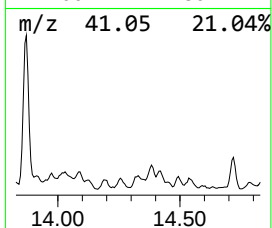
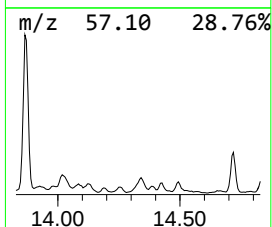
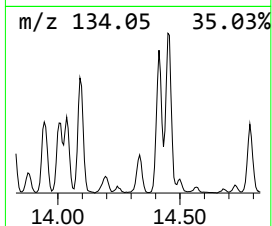
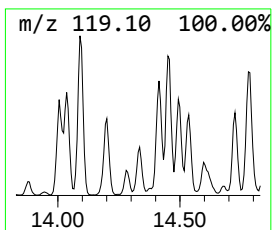
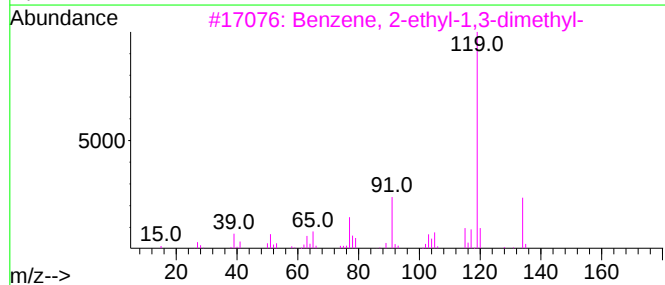
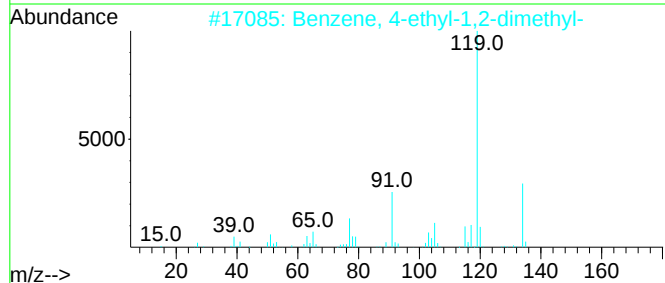
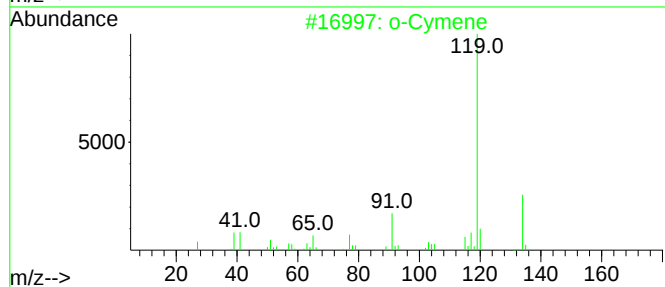
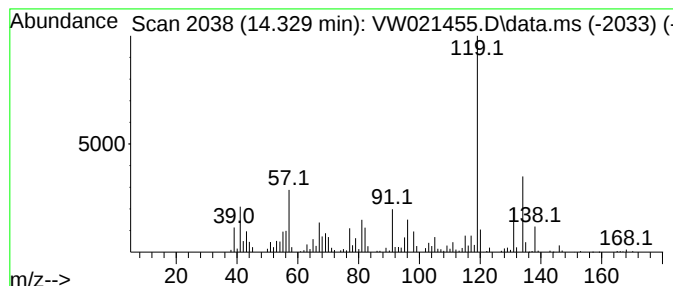
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Quant Title : SFAM01.0

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

Peak Number 47 o-Cymene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	4.74 ug/L	165429	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			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4			p-Cymene	134	C10H14	000099-87-6	93
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

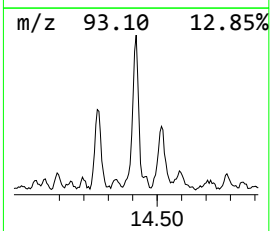
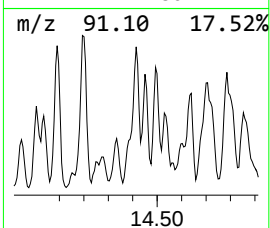
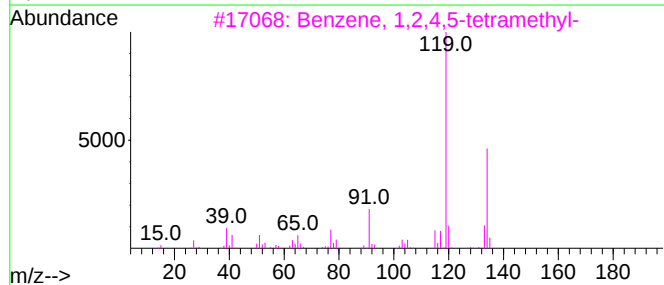
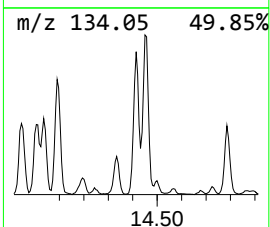
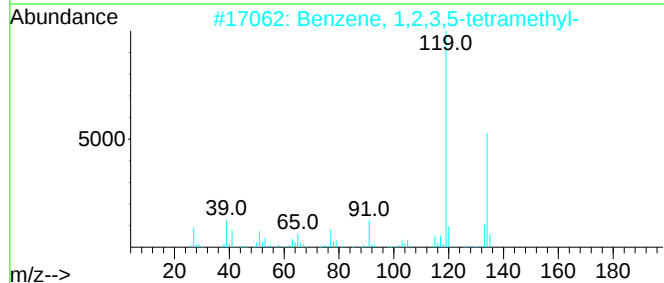
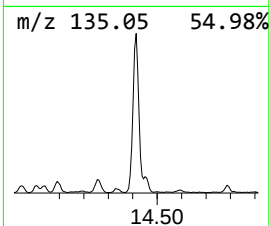
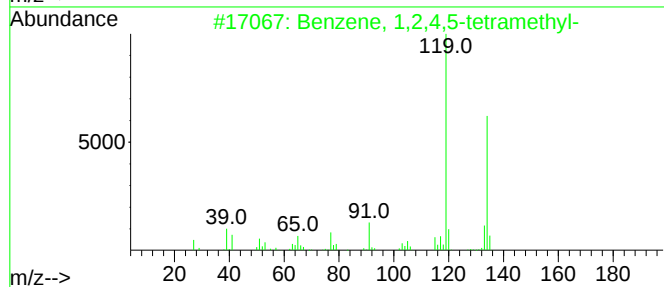
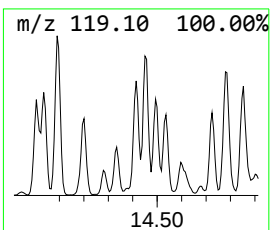
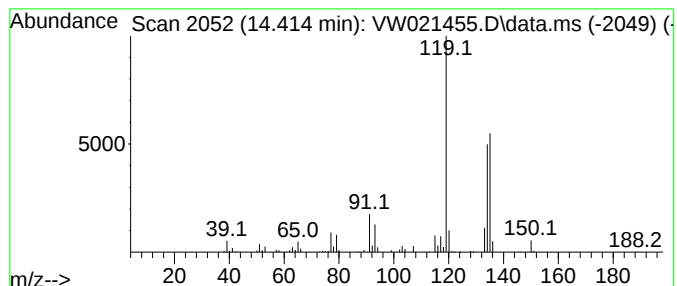
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Quant Title : SFAM01.0

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

Peak Number 49 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	9.15 ug/L	319144	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	76
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

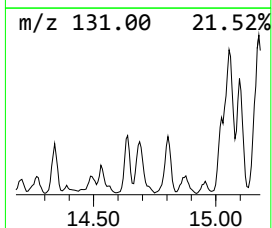
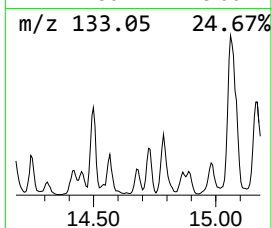
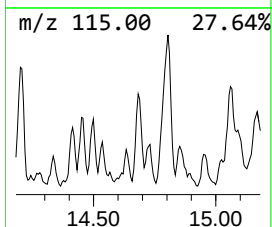
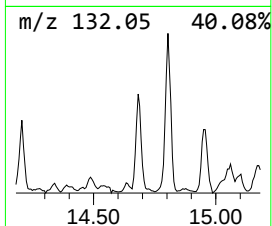
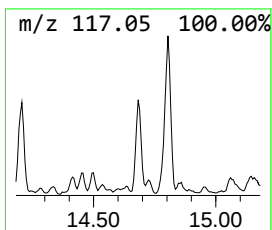
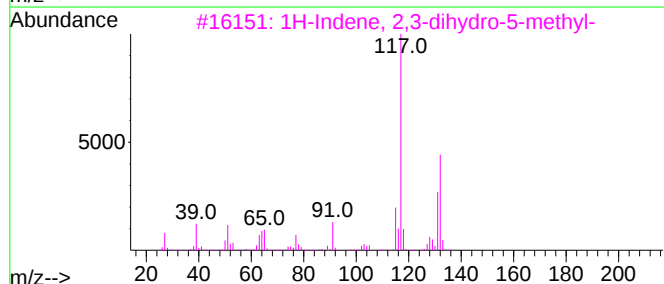
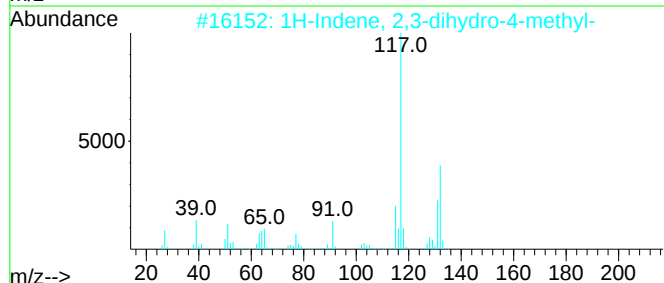
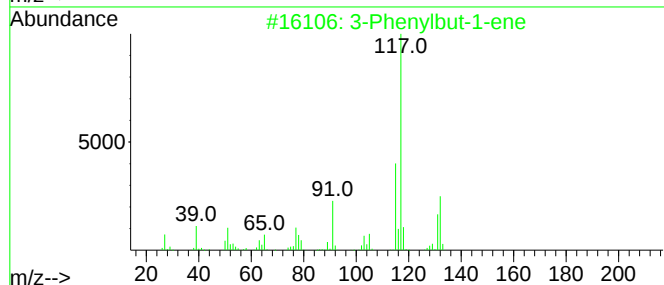
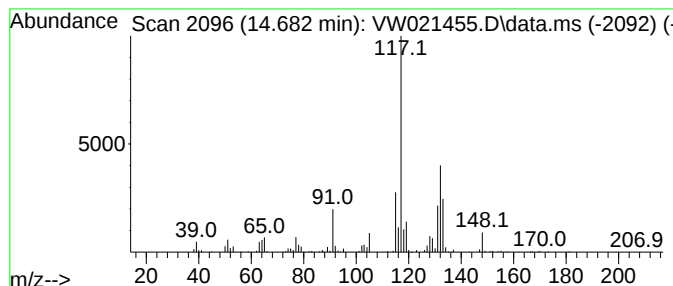
Instrument :
MSVOA_W
ClientSampleId :
BGL70

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 53 3-Phenylbut-1-ene Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.682	3.16 ug/L	110142	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene		132	C10H12	000934-10-1	83
2	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	81
3	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	81
4	Benzene, 2-ethenyl-1,3-dimethyl-		132	C10H12	002039-90-9	81
5	Benzene, 1-ethenyl-4-ethyl-		132	C10H12	003454-07-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

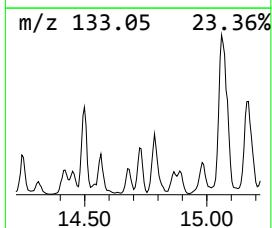
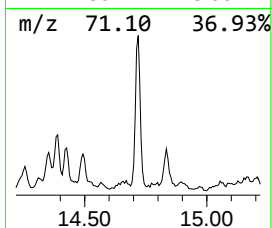
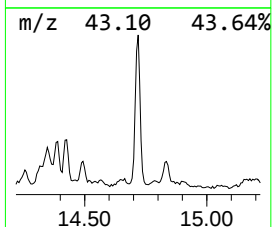
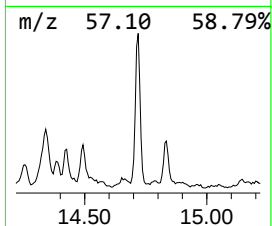
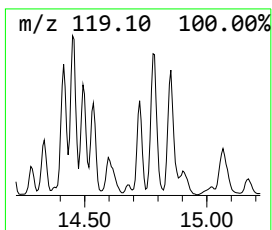
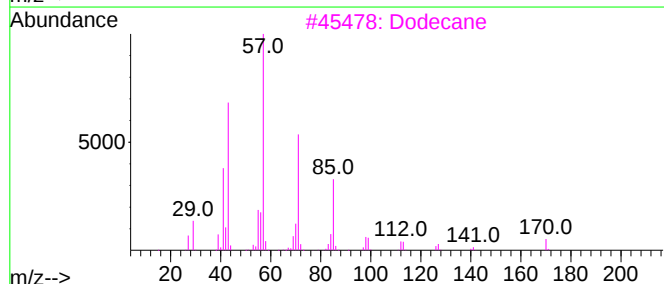
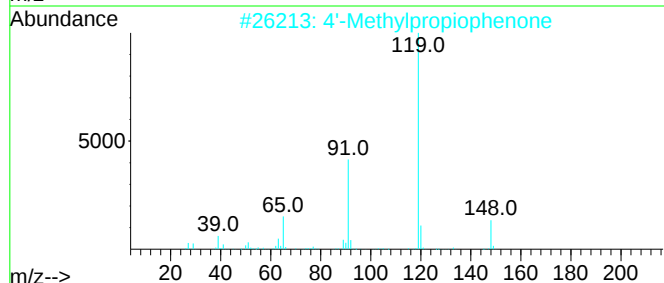
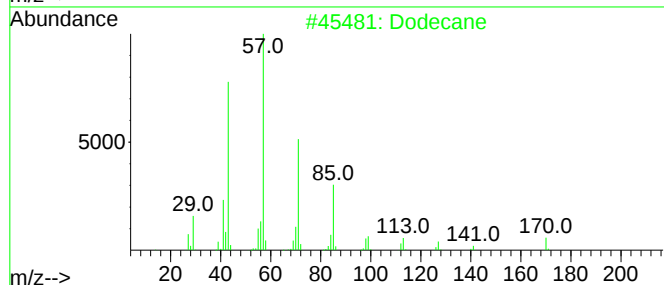
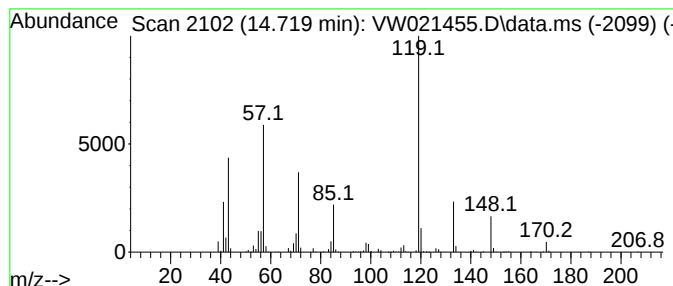
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Quant Title : SFAM01.0

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	7.43 ug/L	258870	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	48
2			4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
3			Dodecane	170	C12H26	000112-40-3	35
4			Dodecane	170	C12H26	000112-40-3	15
5			Tetradecane	198	C14H30	000629-59-4	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

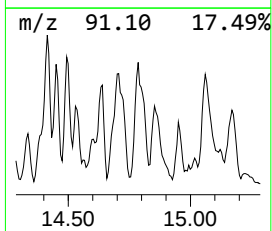
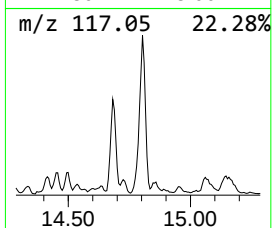
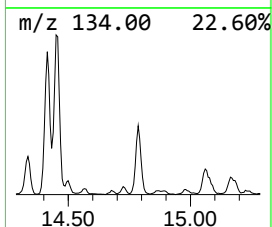
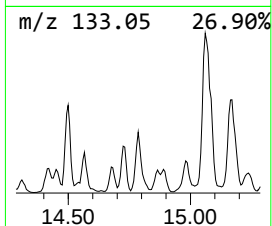
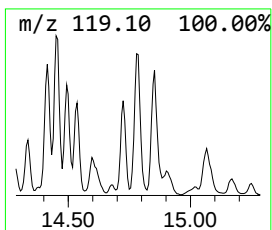
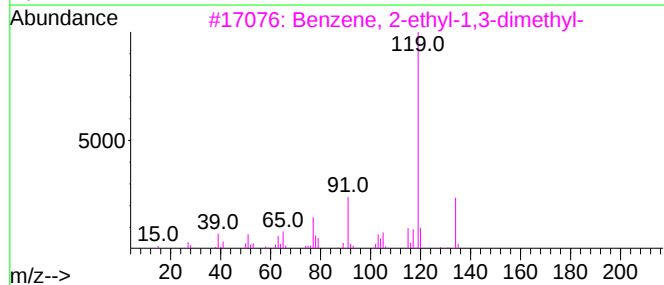
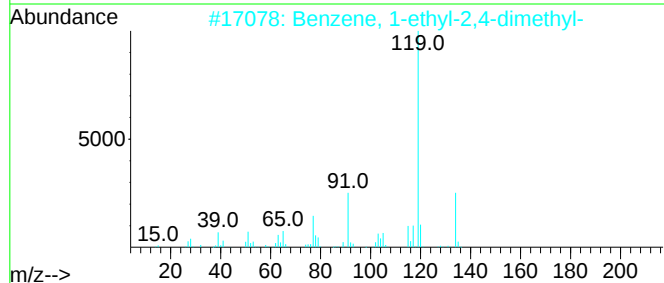
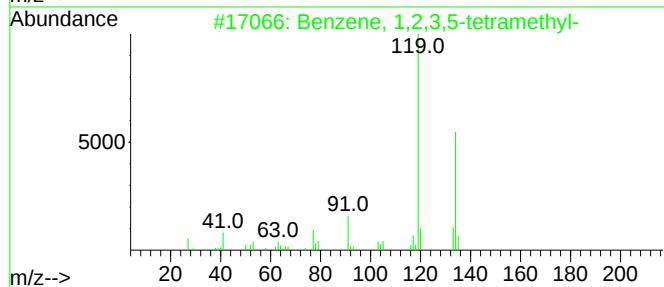
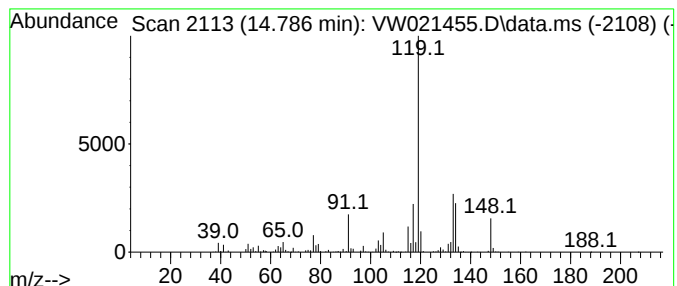
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Quant Title : SFAM01.0

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

Peak Number 55 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	12.45 ug/L	434232	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	92
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

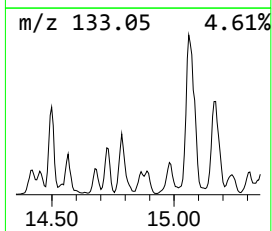
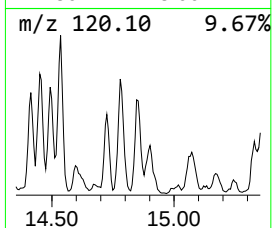
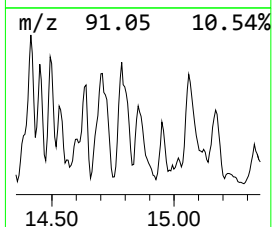
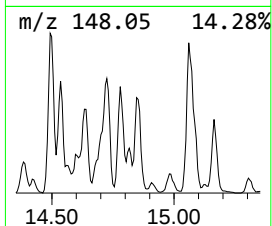
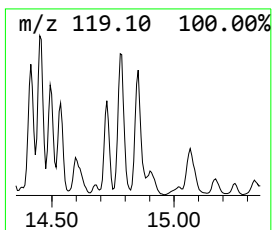
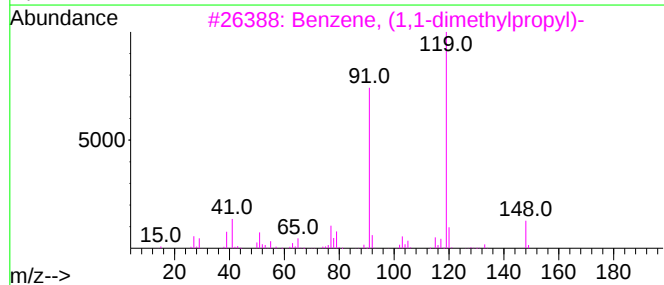
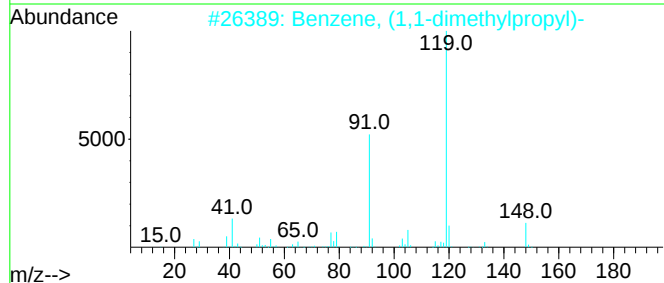
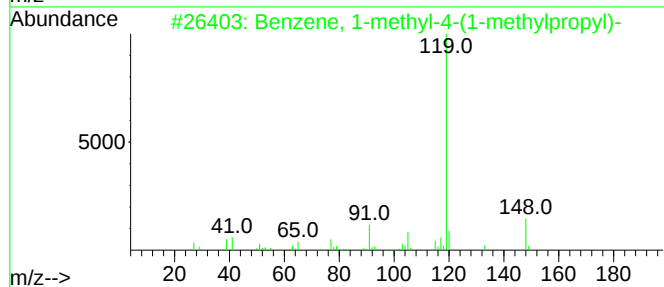
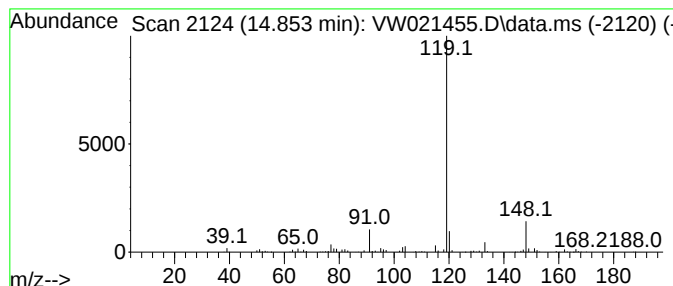
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Quant Title : SFAM01.0

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

Peak Number 56 Benzene, 1-methyl-4-(1-meth... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	3.91 ug/L	136457	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	78
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	56
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021455.D
Acq On : 18 Dec 2021 05:16
Operator : SY/VA
Sample : M5153-05
Misc : 6.98g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL70

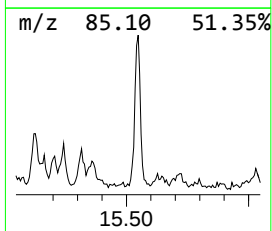
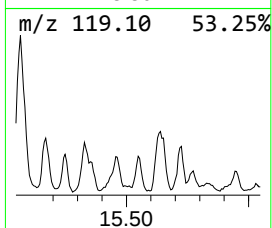
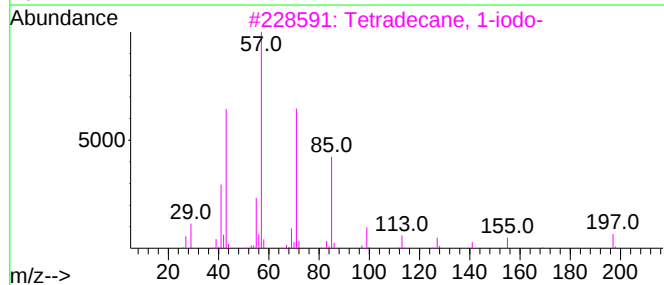
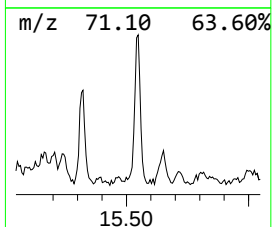
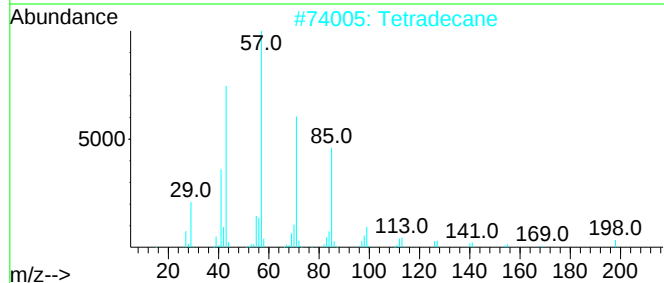
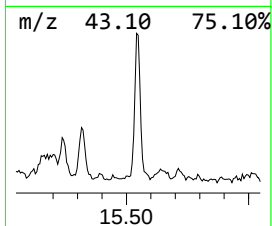
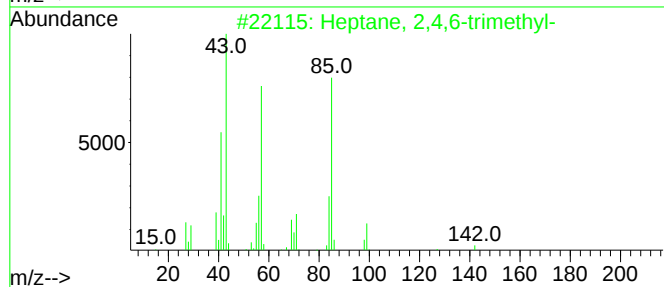
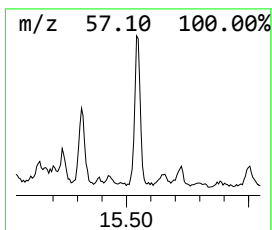
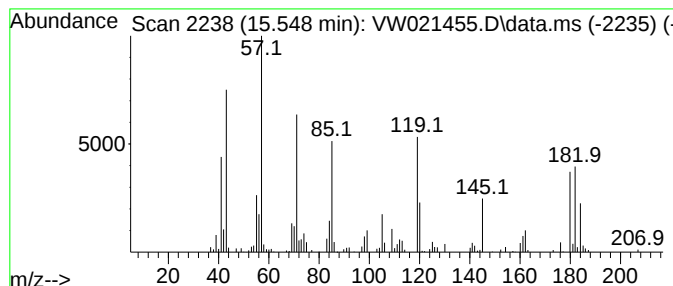
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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	3.49 ug/L	121796	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	25
2			Tetradecane	198	C14H30	000629-59-4	20
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	18
4			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	18
5			Tetradecane	198	C14H30	000629-59-4	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021455.D
 Acq On : 18 Dec 2021 05:16
 Operator : SY/VA
 Sample : M5153-05
 Misc : 6.98g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL70

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.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
Acetaldehyde	2.495	7.0	ug/L	87286	1	8.842	310487	25.0
2-Buten-1-ol	6.903	4.0	ug/L	49893	1	8.842	310487	25.0
(DEL) Alkane: S...	8.153	3.7	ug/L	46406	1	8.842	310487	25.0
(DEL) Alkane: S...	8.476	6.3	ug/L	78021	1	8.842	310487	25.0
(DEL) Alkane: S...	8.695	4.8	ug/L	59330	1	8.842	310487	25.0
(DEL) Alkane: S...	9.756	4.0	ug/L	49967	1	8.842	310487	25.0
(DEL) Alkane: S...	9.890	5.6	ug/L	69800	1	8.842	310487	25.0
(DEL) Alkane: S...	9.957	4.7	ug/L	58544	1	8.842	310487	25.0
(DEL) Alkane: S...	10.098	6.7	ug/L	82846	1	8.842	310487	25.0
(DEL) Alkane: S...	10.506	4.7	ug/L	119775	2	11.628	641709	25.0
(DEL) Alkane: S...	10.738	2.0	ug/L	50826	2	11.628	641709	25.0
(DEL) Alkane: C...	10.847	3.7	ug/L	95794	2	11.628	641709	25.0
(DEL) Alkane: S...	10.994	6.2	ug/L	158260	2	11.628	641709	25.0
(DEL) Alkane: C...	11.140	3.7	ug/L	94783	2	11.628	641709	25.0
(DEL) Alkane: S...	11.189	8.3	ug/L	211917	2	11.628	641709	25.0
Bruceantin	11.225	3.6	ug/L	93627	2	11.628	641709	25.0
(DEL) Alkane: C...	11.268	12.7	ug/L	325259	2	11.628	641709	25.0
(DEL) Alkane: S...	11.335	5.5	ug/L	140061	2	11.628	641709	25.0
Bicyclo[2.2.2]o...	11.372	3.5	ug/L	90716	2	11.628	641709	25.0
unknown-01	11.408	17.6	ug/L	452077	2	11.628	641709	25.0
(DEL) Alkane: S...	11.512	13.7	ug/L	352558	2	11.628	641709	25.0
(DEL) Alkane: S...	11.914	4.7	ug/L	121389	2	11.628	641709	25.0
(DEL) Alkane: S...	12.061	3.9	ug/L	101232	2	11.628	641709	25.0
(DEL) Alkane: S...	12.250	8.4	ug/L	216510	2	11.628	641709	25.0
Pentalene, octa...	12.335	13.9	ug/L	357562	2	11.628	641709	25.0
(DEL) Alkane: C...	12.384	11.1	ug/L	285858	2	11.628	641709	25.0
1,5-Cyclooctadiene	12.560	36.4	ug/L	934064	2	11.628	641709	25.0
unknown-02	12.615	2.4	ug/L	82272	3	13.554	871613	25.0
(DEL) Alkane: S...	12.743	2.2	ug/L	77030	3	13.554	871613	25.0
Benzene, propyl-	12.792	9.8	ug/L	340351	3	13.554	871613	25.0
Benzene, 1-ethy...	12.859	8.8	ug/L	305562	3	13.554	871613	25.0
Benzene, 1-ethy...	13.103	16.7	ug/L	580909	3	13.554	871613	25.0
(DEL) Alkane: S...	13.164	11.8	ug/L	409933	3	13.554	871613	25.0
1-Iodo-2-methyl...	13.335	3.6	ug/L	124306	3	13.554	871613	25.0
unknown-03	13.378	6.1	ug/L	213760	3	13.554	871613	25.0
Benzene, 1,3-di...	13.713	6.8	ug/L	236946	3	13.554	871613	25.0
Benzene, 1-ethe...	13.749	16.1	ug/L	559581	3	13.554	871613	25.0
Benzene, 1-meth...	13.792	14.7	ug/L	511183	3	13.554	871613	25.0
Benzene, 1-meth...	13.944	7.6	ug/L	265310	3	13.554	871613	25.0
Benzene, 2-ethy...	14.005	6.2	ug/L	216263	3	13.554	871613	25.0
Benzene, 1-ethy...	14.036	5.5	ug/L	189874	3	13.554	871613	25.0
Benzene, 1-ethy...	14.091	9.7	ug/L	336885	3	13.554	871613	25.0
6,7-Dimethyl-3,...	14.201	7.5	ug/L	260701	3	13.554	871613	25.0
Adamantane	14.255	4.3	ug/L	149347	3	13.554	871613	25.0
o-Cymene	14.329	4.7	ug/L	165429	3	13.554	871613	25.0
Benzene, 1,2,4,...	14.414	9.2	ug/L	319144	3	13.554	871613	25.0
3-Phenylbut-1-ene	14.682	3.2	ug/L	110142	3	13.554	871613	25.0
(DEL) Alkane: S...	14.719	7.4	ug/L	258870	3	13.554	871613	25.0
Benzene, 1,2,3,...	14.786	12.4	ug/L	434232	3	13.554	871613	25.0
Benzene, 1-meth...	14.853	3.9	ug/L	136457	3	13.554	871613	25.0
(DEL) Alkane: S...	15.548	3.5	ug/L	121796	3	13.554	871613	25.0