

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021650.D
 Acq On : 25 Dec 2021 16:57
 Operator : SY/VA
 Sample : M5154-16
 Misc : 6.55g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL96

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: VW021650.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	67	73	81	rVB	28656	47844	7.05%	0.527%
2	2.495	91	97	113	rBV	13382	25830	3.81%	0.285%
3	2.642	119	121	123	rBV	431	376	0.06%	0.004%
4	2.660	123	124	127	rVV2	488	414	0.06%	0.005%
5	2.812	144	149	153	rBV3	422	862	0.13%	0.009%
6	2.885	153	161	171	rBV	18200	38285	5.64%	0.422%
7	4.019	337	347	359	rBV	37420	108277	15.96%	1.193%
8	4.129	359	365	377	rVV	5366	14878	2.19%	0.164%
9	4.257	380	386	394	rVB	766	2055	0.30%	0.023%
10	4.385	397	407	419	rBB	3210	8935	1.32%	0.098%
11	4.916	484	494	505	rBB2	5364	16882	2.49%	0.186%
12	5.793	626	638	649	rBB3	2297	7503	1.11%	0.083%
13	5.946	657	663	668	rBB3	786	1816	0.27%	0.020%
14	6.903	812	820	830	rBV5	2452	7509	1.11%	0.083%
15	7.080	840	849	859	rBV	8069	23435	3.45%	0.258%
16	7.177	861	865	874	rVB	2373	5053	0.74%	0.056%
17	7.653	932	943	955	rBB	64360	158761	23.40%	1.749%
18	7.927	980	988	993	rBB4	2227	5008	0.74%	0.055%
19	8.031	1002	1005	1009	rBB3	389	567	0.08%	0.006%
20	8.159	1019	1026	1032	rVB	2994	6753	1.00%	0.074%
21	8.275	1036	1045	1060	rBV2	120786	343984	50.70%	3.790%
22	8.476	1071	1078	1088	rVV	9794	24095	3.55%	0.265%
23	8.543	1088	1089	1095	rVB3	647	889	0.13%	0.010%
24	8.708	1112	1116	1122	rBB2	606	1181	0.17%	0.013%
25	8.842	1130	1138	1149	rBV	137343	278383	41.03%	3.067%
26	9.073	1172	1176	1182	rBV4	415	911	0.13%	0.010%
27	9.147	1182	1188	1194	rBV2	2117	4198	0.62%	0.046%
28	9.275	1200	1209	1215	rBV	82578	167376	24.67%	1.844%
29	9.329	1215	1218	1222	rVV2	9758	16180	2.38%	0.178%
30	9.384	1222	1227	1236	rVB3	12071	25241	3.72%	0.278%
31	9.457	1236	1239	1240	rBV	494	513	0.08%	0.006%
32	9.573	1253	1258	1261	rBV2	3104	5977	0.88%	0.066%
33	9.665	1270	1273	1278	rVB3	621	868	0.13%	0.010%
34	9.756	1281	1288	1296	rBB2	9678	19602	2.89%	0.216%
35	9.896	1304	1311	1317	rBV3	17075	34758	5.12%	0.383%
36	9.988	1321	1326	1329	rBV	13859	22276	3.28%	0.245%

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

37	10.037	1329	1334	1339	rVB	37707	59101	8.71%	0.651%
38	10.091	1339	1343	1346	rBV3	7113	10632	1.57%	0.117%
39	10.213	1357	1363	1364	rBV2	3804	5938	0.88%	0.065%
40	10.250	1365	1369	1374	rVB	10500	17666	2.60%	0.195%
41	10.323	1374	1381	1396	rVB	193369	350362	51.64%	3.860%
42	10.445	1396	1401	1404	rBV3	4438	6906	1.02%	0.076%
43	10.494	1404	1409	1417	rVB8	4519	13340	1.97%	0.147%
44	10.579	1417	1423	1433	rBV	28040	49318	7.27%	0.543%
45	10.665	1433	1437	1444	rVB3	6029	9175	1.35%	0.101%
46	10.768	1444	1454	1457	rBV6	6296	19383	2.86%	0.214%
47	10.847	1462	1467	1472	rVB2	15192	27628	4.07%	0.304%
48	10.927	1472	1480	1487	rBV3	51056	114063	16.81%	1.257%
49	11.000	1488	1492	1494	rBV	8096	12625	1.86%	0.139%
50	11.030	1494	1497	1501	rVV3	17050	23051	3.40%	0.254%
51	11.110	1506	1510	1517	rBV	24957	40483	5.97%	0.446%
52	11.183	1517	1522	1525	rBV2	21760	36995	5.45%	0.408%
53	11.232	1525	1530	1534	rVV	31780	48977	7.22%	0.540%
54	11.335	1543	1547	1551	rBV2	24346	36339	5.36%	0.400%
55	11.378	1551	1554	1557	rVV2	13258	20534	3.03%	0.226%
56	11.433	1559	1563	1571	rVB	53099	109937	16.20%	1.211%
57	11.506	1571	1575	1586	rVB4	17266	38394	5.66%	0.423%
58	11.628	1588	1595	1603	rBV	213591	375505	55.34%	4.137%
59	11.762	1611	1617	1621	rBV2	43407	74453	10.97%	0.820%
60	11.811	1621	1625	1629	rVV4	47942	89447	13.18%	0.985%
61	11.872	1629	1635	1639	rVV	136901	252138	37.16%	2.778%
62	11.914	1639	1642	1648	rVB2	69515	111543	16.44%	1.229%
63	11.975	1648	1652	1654	rBV4	7412	12565	1.85%	0.138%
64	12.061	1659	1666	1671	rVB3	31872	62755	9.25%	0.691%
65	12.134	1671	1678	1690	rBV2	161611	444110	65.45%	4.893%
66	12.250	1693	1697	1701	rVB	98071	153113	22.57%	1.687%
67	12.304	1701	1706	1707	rBV2	57865	85283	12.57%	0.940%
68	12.384	1716	1719	1727	rVB2	128167	190379	28.06%	2.097%
69	12.591	1750	1753	1754	rBV	15500	16615	2.45%	0.183%
70	12.695	1762	1770	1775	rBV4	123961	282202	41.59%	3.109%
71	12.780	1780	1784	1790	rVB4	123849	229368	33.80%	2.527%
72	12.859	1790	1797	1800	rBV4	66894	143971	21.22%	1.586%
73	12.939	1806	1810	1815	rVV3	135996	232074	34.20%	2.557%
74	12.987	1815	1818	1824	rVB2	80488	129427	19.08%	1.426%
75	13.079	1829	1833	1836	rVB3	64214	86378	12.73%	0.952%
76	13.121	1836	1840	1843	rBV2	53002	87301	12.87%	0.962%

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 Title : SFAM01.0

77	13.164	1843	1847	1855	rVB3	118404	219401	32.34%	2.417%
78	13.292	1865	1868	1871	rVB	38481	46210	6.81%	0.509%
79	13.377	1879	1882	1883	rBV2	29764	34731	5.12%	0.383%
80	13.554	1906	1911	1916	rBV	207467	370659	54.63%	4.084%
81	13.871	1955	1963	1969	rBV2	260718	678508	100.00%	7.475%
82	13.975	1977	1980	1983	rBV3	31220	43452	6.40%	0.479%
83	14.200	2013	2017	2022	rBV4	21109	41785	6.16%	0.460%
84	14.261	2022	2027	2033	rVB4	74198	132356	19.51%	1.458%
85	14.322	2033	2037	2042	rBV5	55647	82258	12.12%	0.906%
86	14.383	2042	2047	2049	rBV2	97117	154649	22.79%	1.704%
87	14.414	2049	2052	2056	rVB2	100117	145950	21.51%	1.608%
88	14.548	2071	2074	2079	rVB3	48714	67468	9.94%	0.743%
89	14.633	2086	2088	2093	rVB	28900	39918	5.88%	0.440%
90	14.725	2100	2103	2108	rBV	21510	33698	4.97%	0.371%
91	15.066	2155	2159	2164	rVB3	23271	42298	6.23%	0.466%
92	15.176	2173	2177	2182	rVB4	40727	69737	10.28%	0.768%
93	15.359	2197	2207	2214	rBV	296323	573769	84.56%	6.321%
94	15.548	2235	2238	2247	rVB2	30562	57902	8.53%	0.638%
95	15.651	2247	2255	2261	rBV4	25969	86283	12.72%	0.951%
96	15.798	2272	2279	2285	rVB6	25375	73356	10.81%	0.808%
97	15.944	2299	2303	2308	rVB5	28666	47902	7.06%	0.528%
98	16.365	2368	2372	2378	rVB3	50883	101729	14.99%	1.121%
99	16.432	2378	2383	2397	rVB4	44913	149320	22.01%	1.645%
100	16.639	2409	2417	2424	rBV	101808	246338	36.31%	2.714%

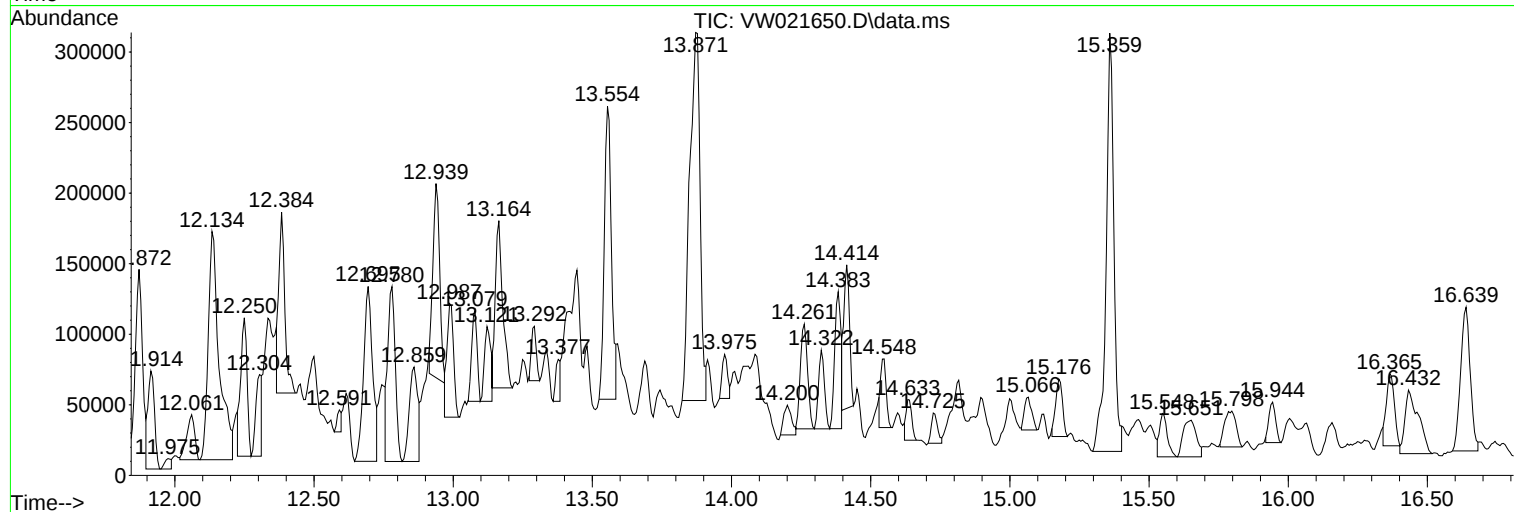
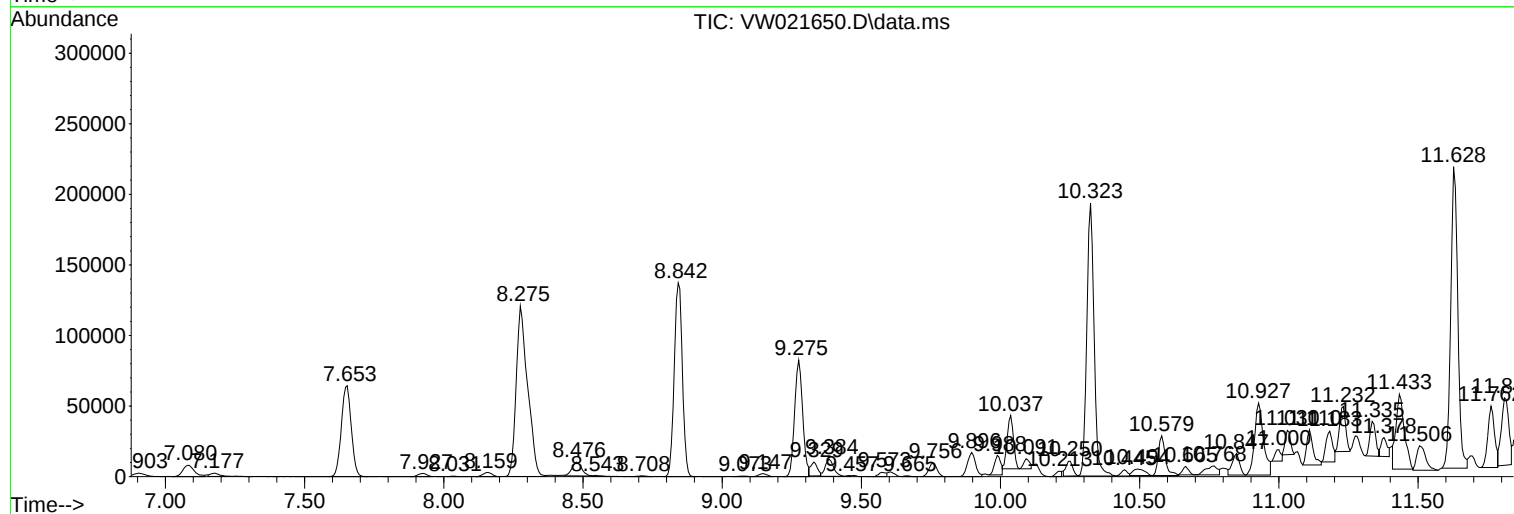
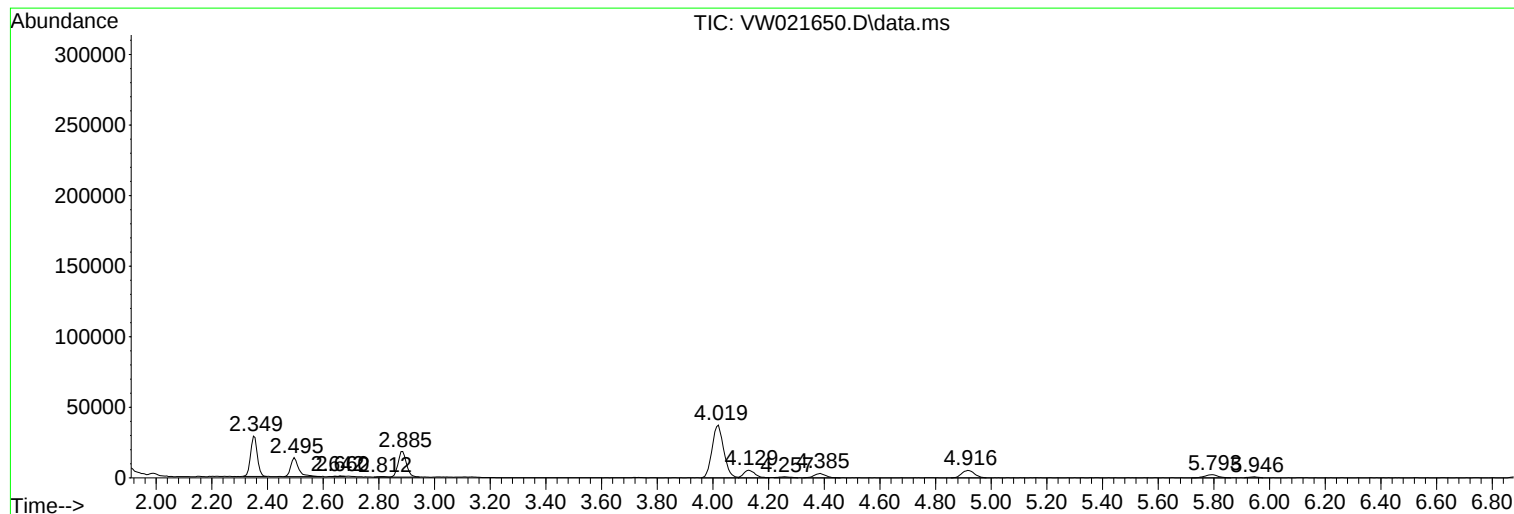
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



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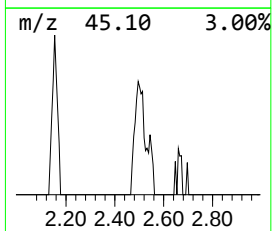
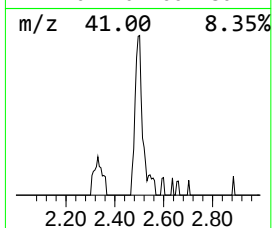
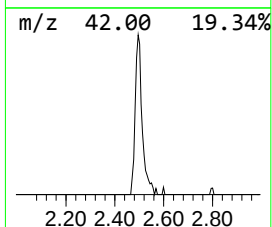
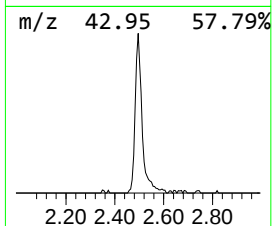
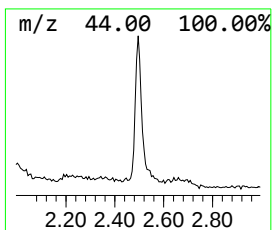
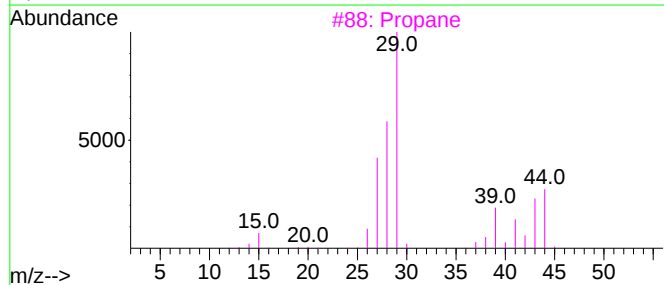
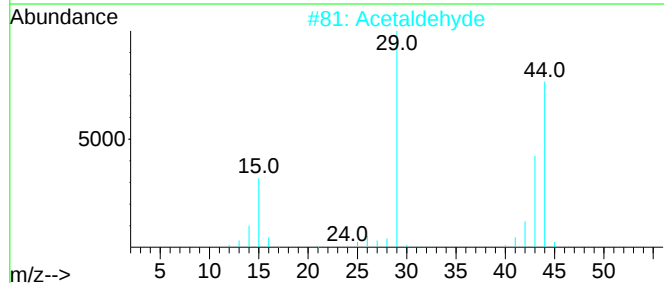
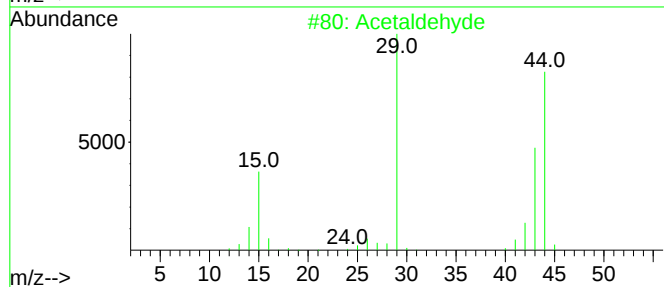
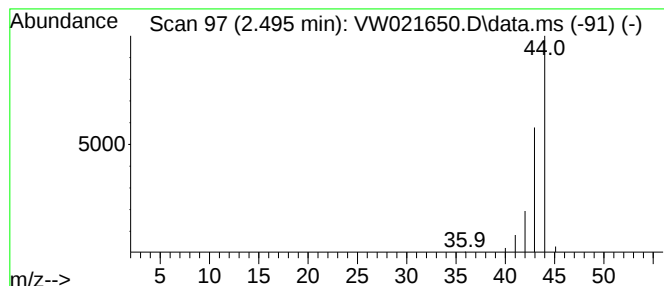
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Acetaldehyde Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	2.32 ug/L	25830	1,4-Difluorobenzene	8.848

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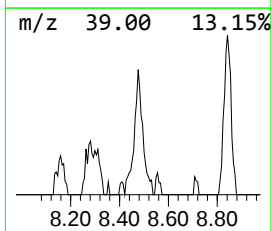
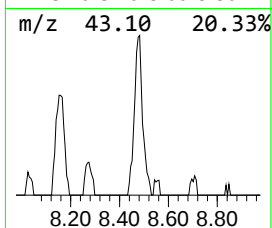
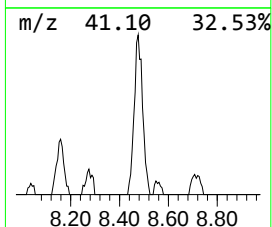
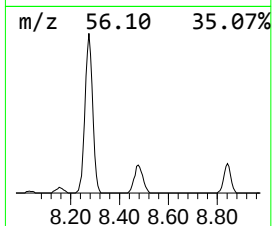
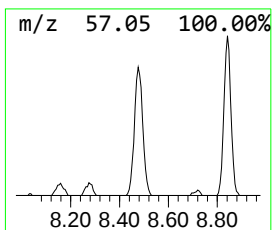
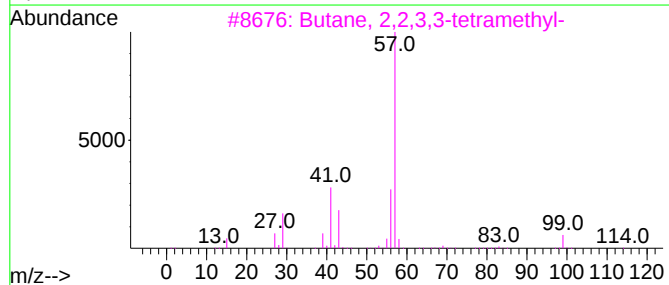
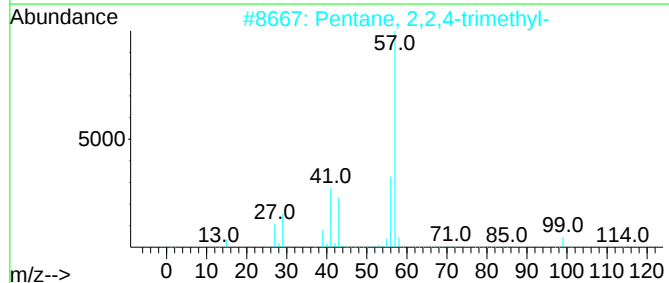
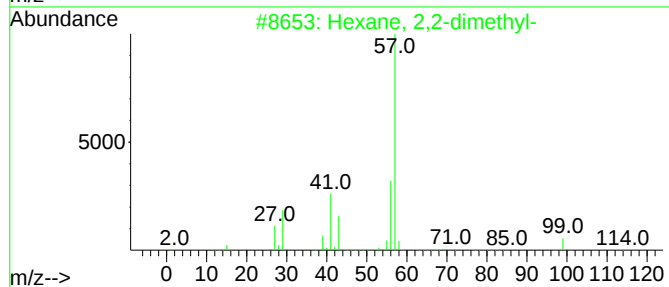
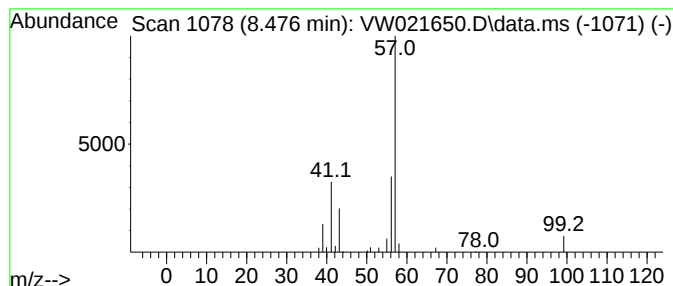
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	2.16 ug/L	24095	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
4			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
5			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64



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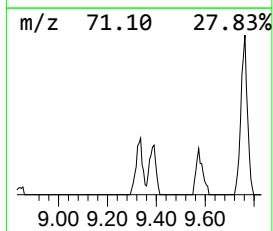
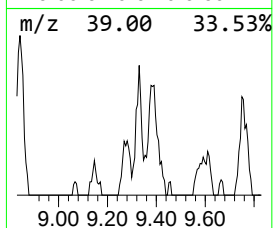
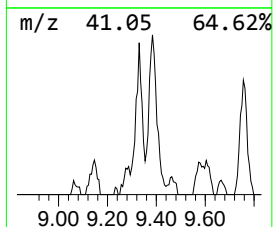
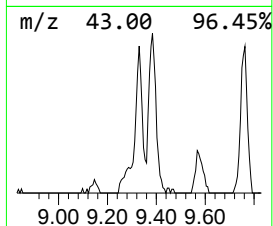
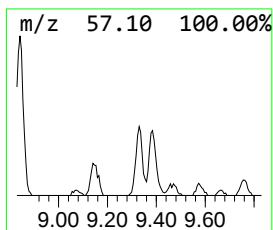
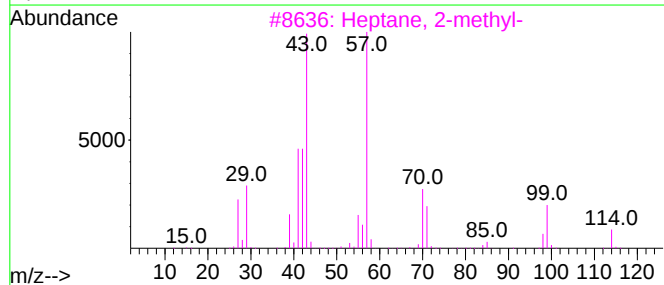
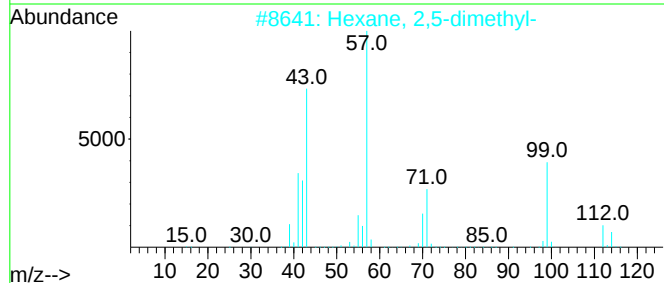
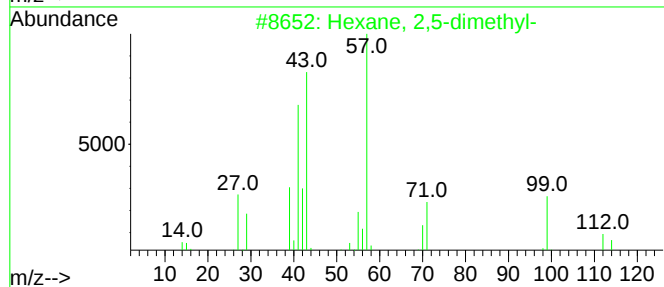
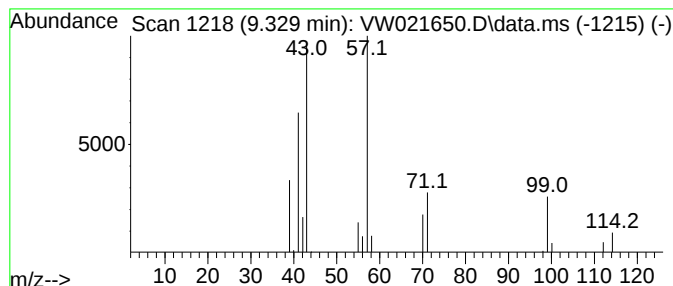
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Quant Title : SFAM01.0

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.
9.329	1.45 ug/L	16180	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
2			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	59
4			Heptane, 2-methyl-	114	C8H18	000592-27-8	59
5			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

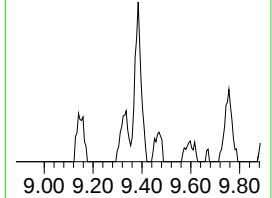
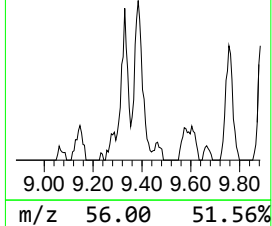
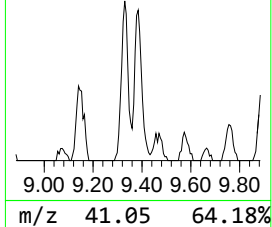
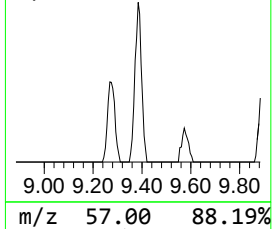
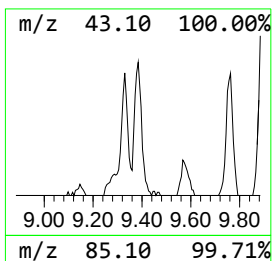
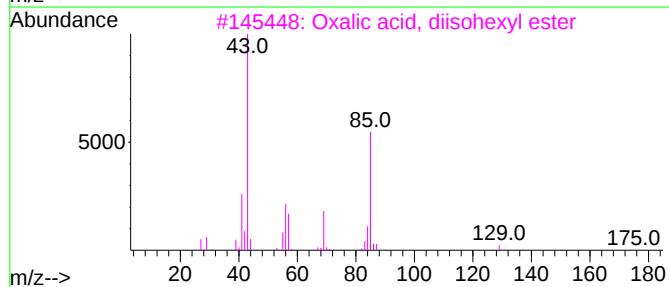
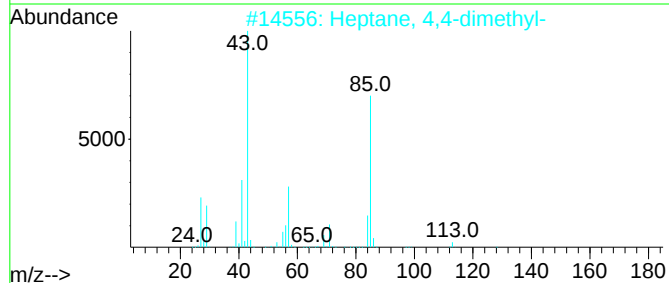
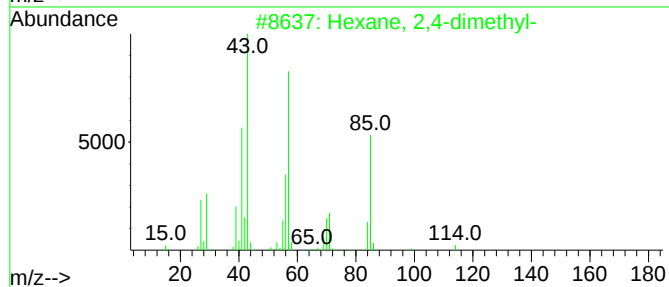
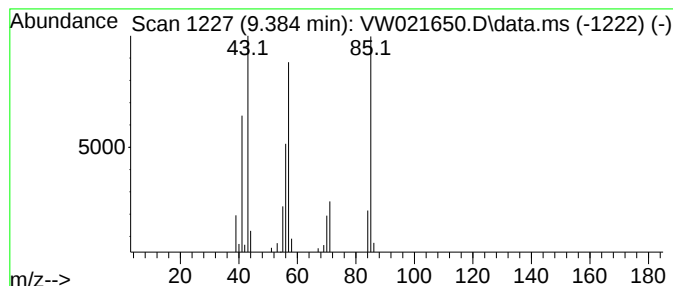
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	2.27 ug/L	25241	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
2			Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
3			Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	50
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	45
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

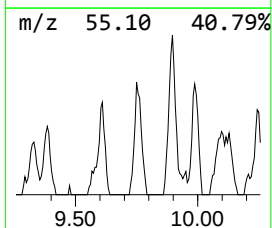
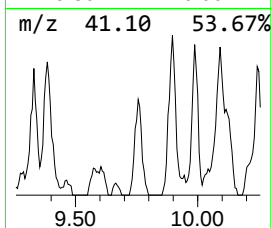
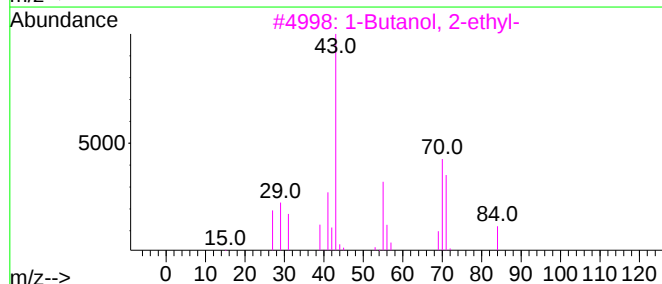
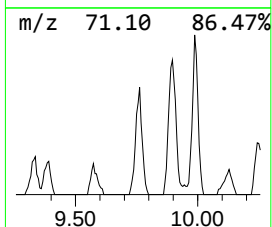
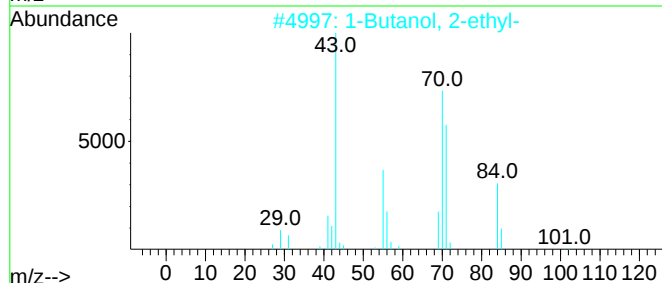
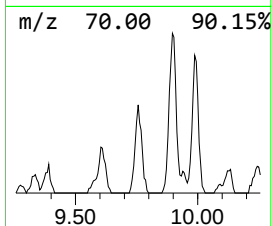
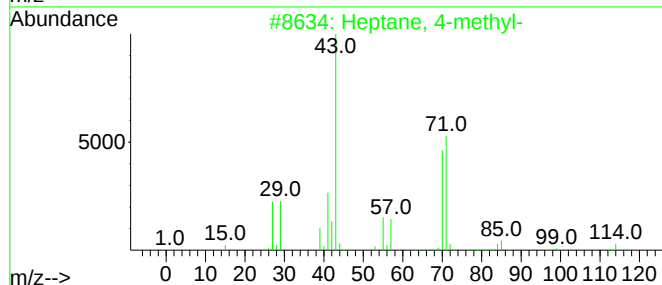
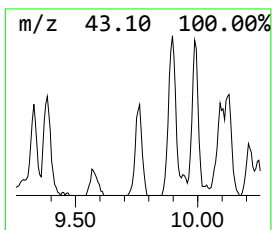
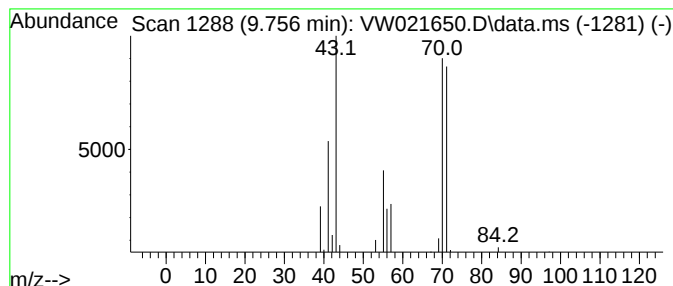
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	1.76 ug/L	19602	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	64
2			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56
3			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	56
4			Pentane, 3-ethyl-	100	C7H16	000617-78-7	50
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

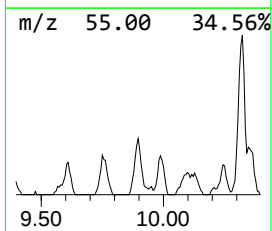
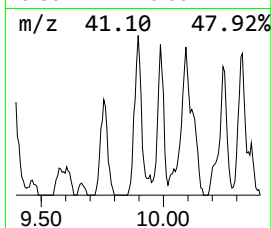
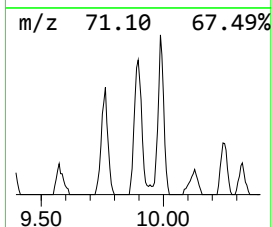
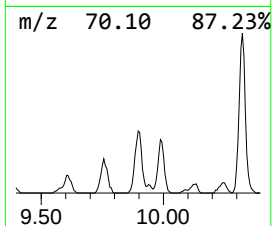
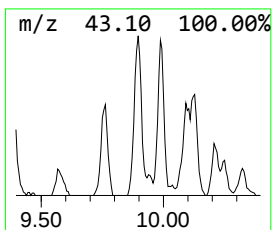
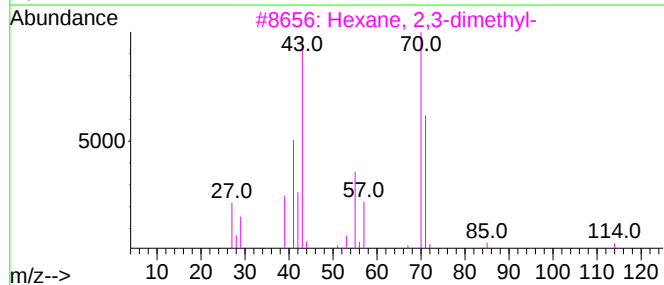
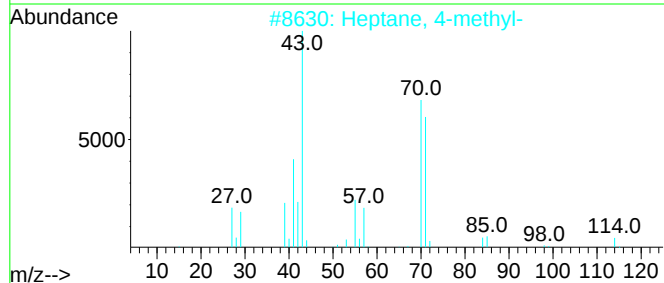
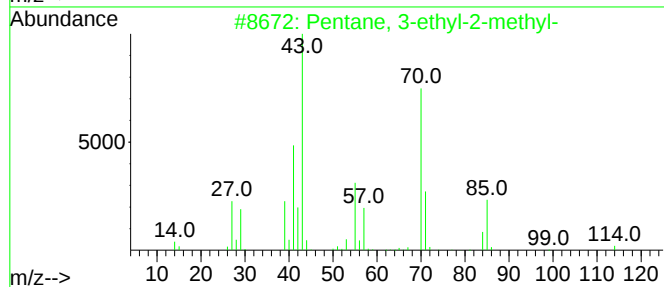
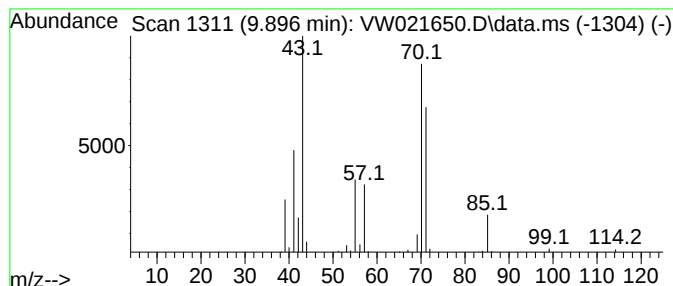
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	3.12 ug/L	34758	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
4			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
5			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

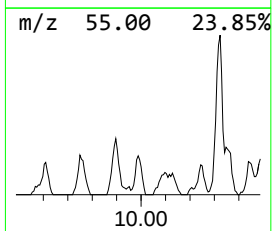
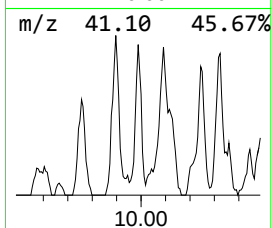
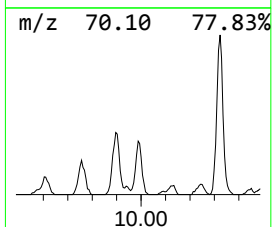
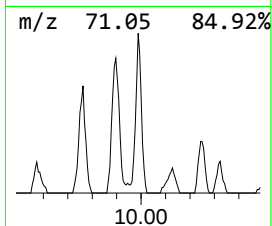
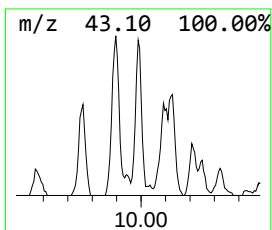
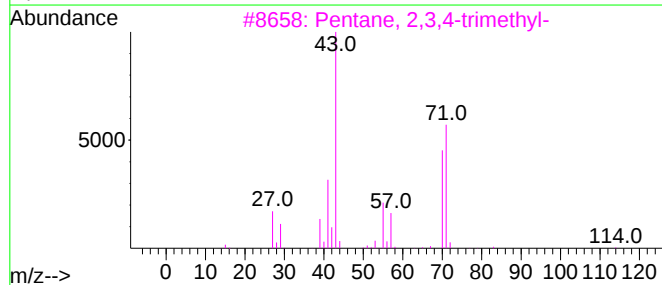
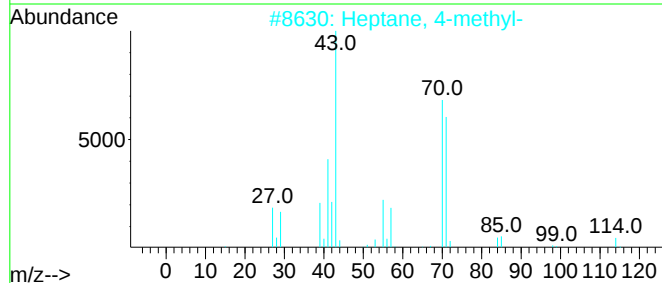
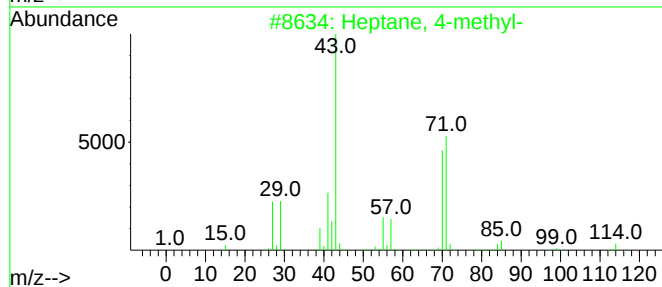
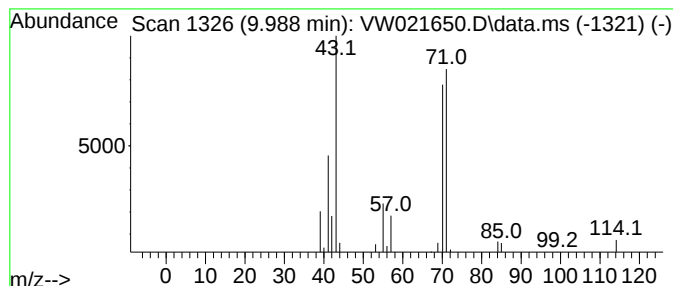
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.988	2.00 ug/L	22276	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	81
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4			Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

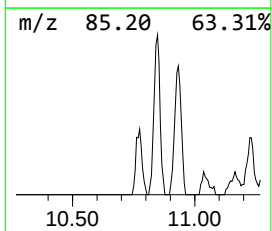
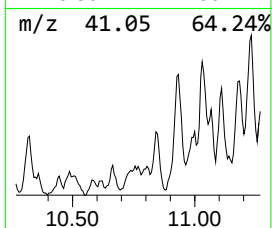
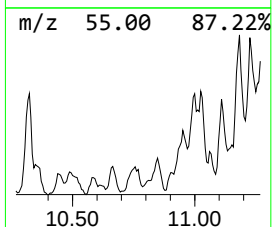
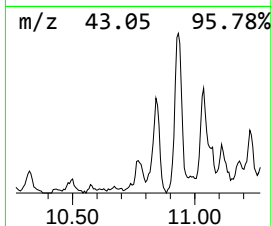
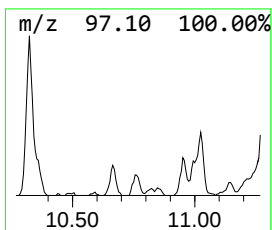
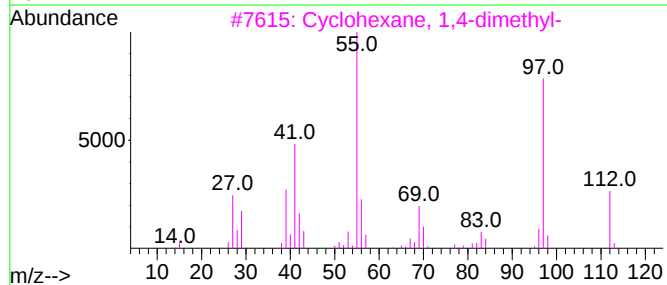
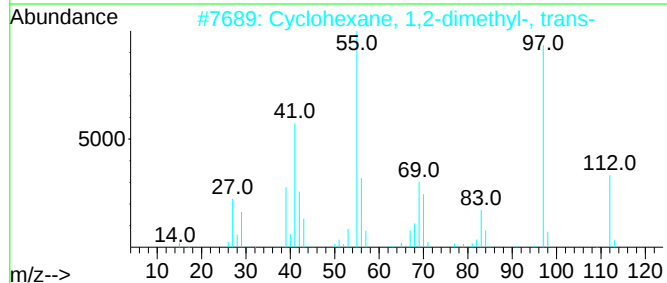
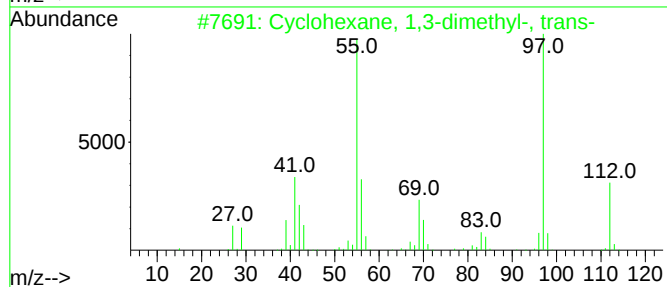
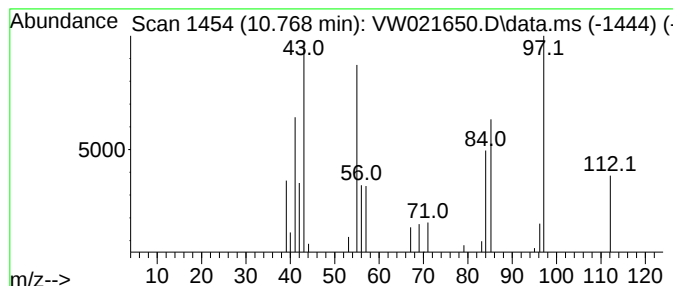
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic10.768 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	1.29 ug/L	19383	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	50
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	50
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

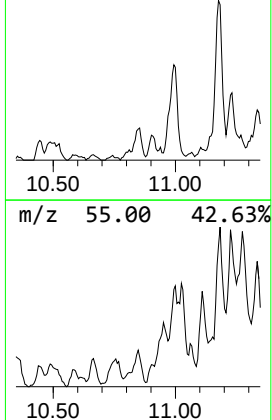
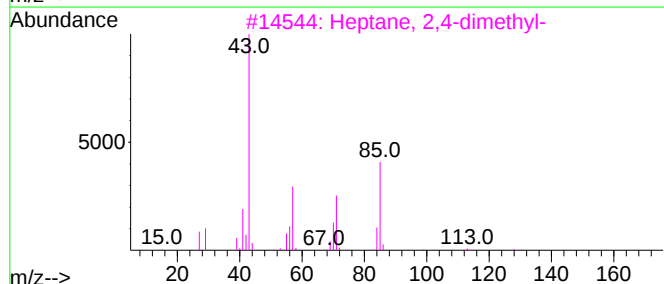
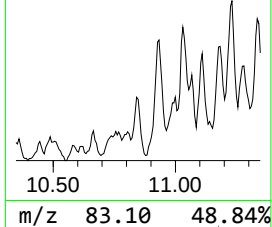
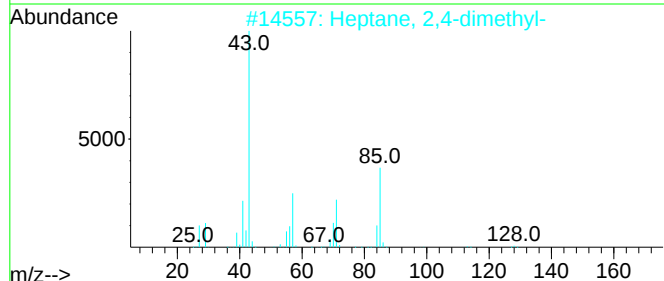
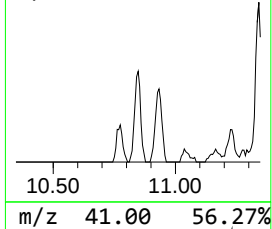
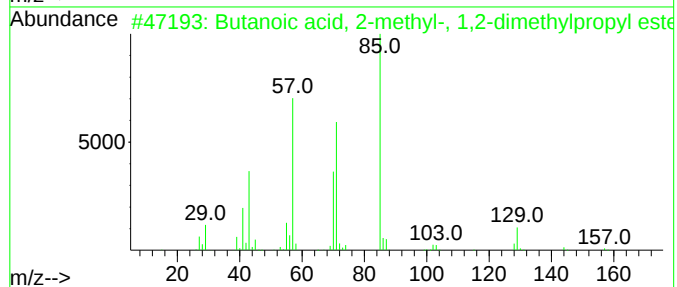
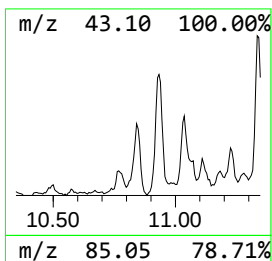
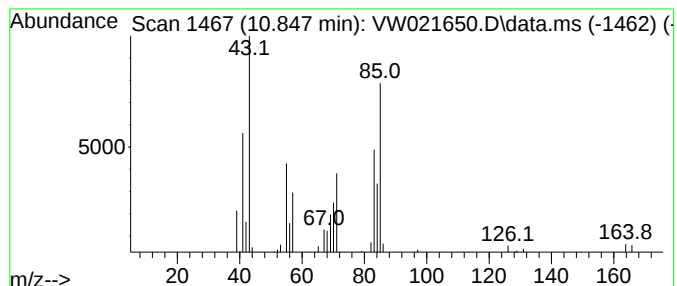
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Quant Title : SFAM01.0

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

Peak Number 11 Butanoic acid, 2-methyl-, 1... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	1.84 ug/L	27628	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 2-methyl-, 1,2-di...	172	C10H20O2	084696-83-3	50
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
5			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

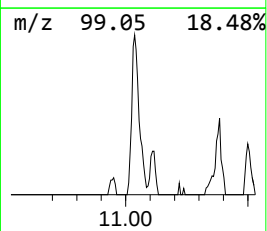
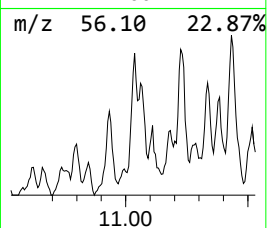
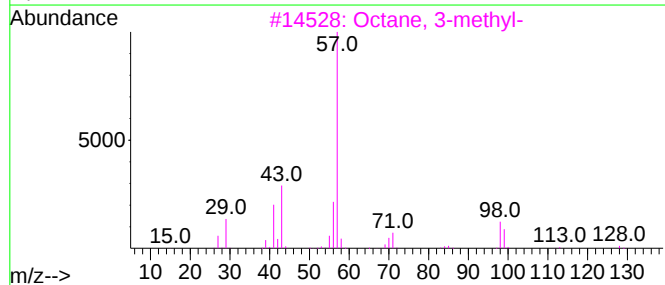
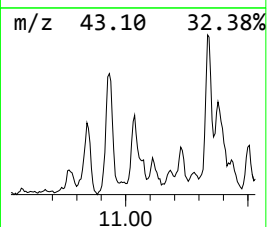
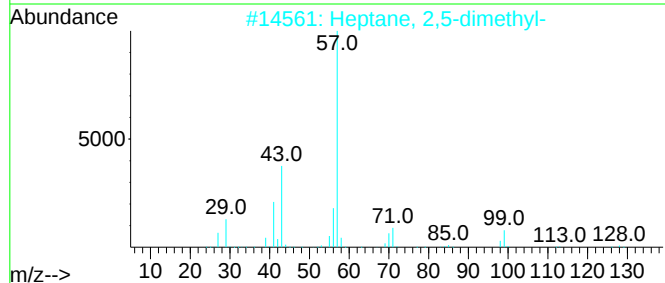
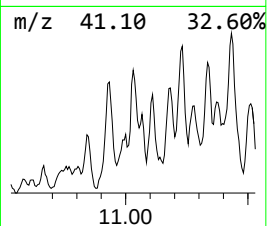
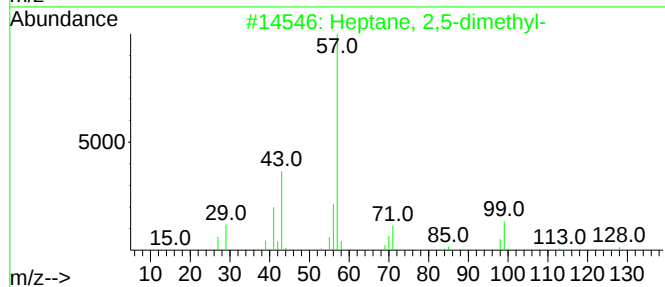
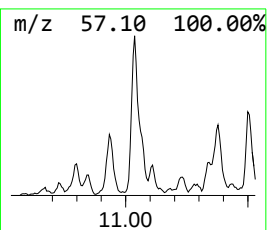
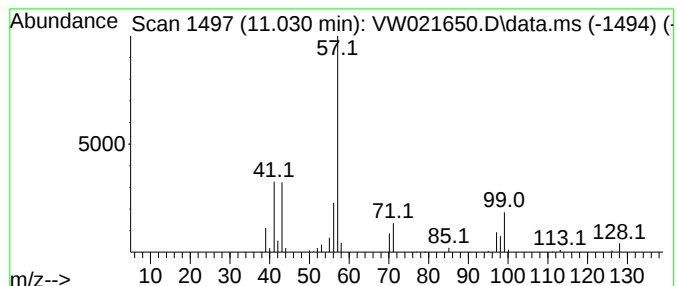
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	1.53 ug/L	23051	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3			Octane, 3-methyl-	128	C9H20	002216-33-3	64
4			Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	53
5			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

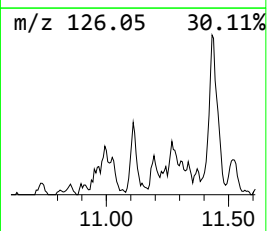
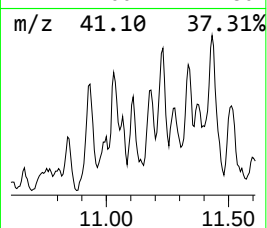
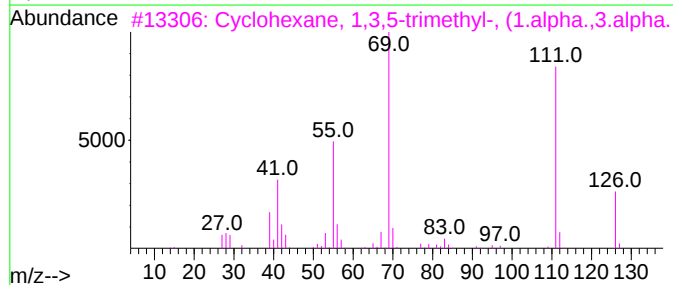
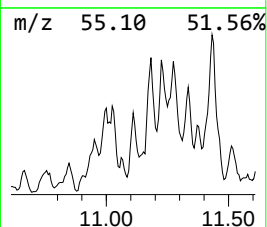
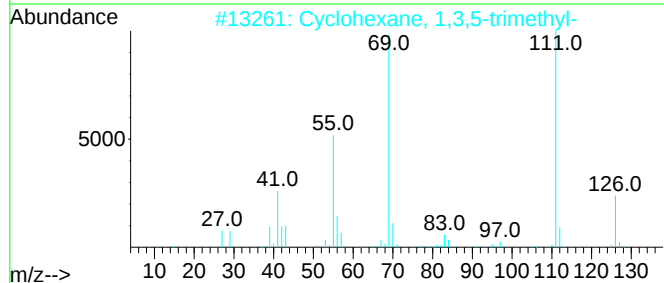
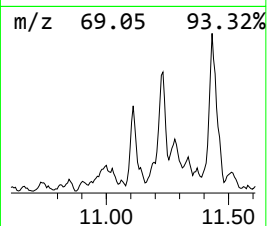
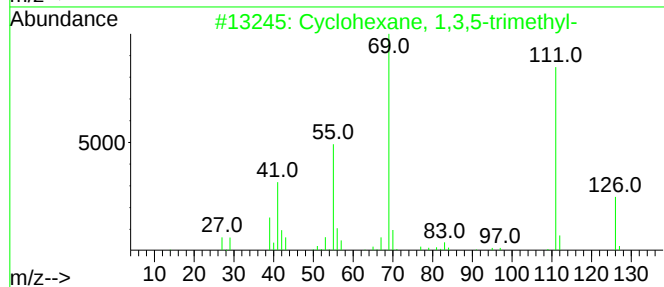
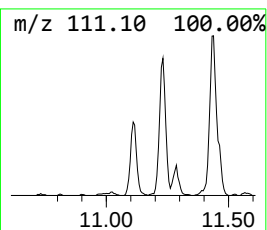
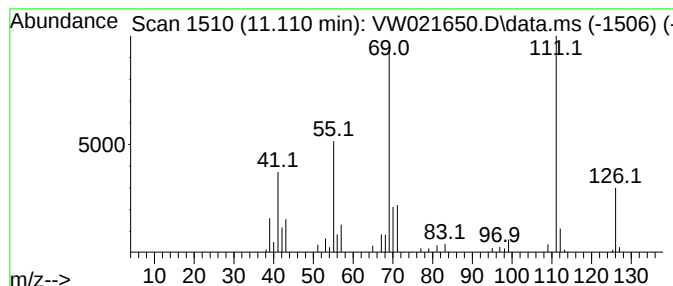
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic11.110 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.70 ug/L	40483	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	80
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

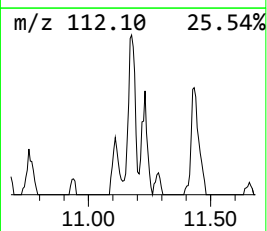
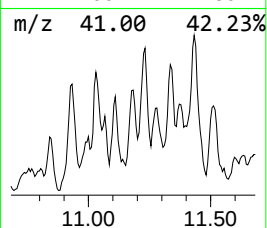
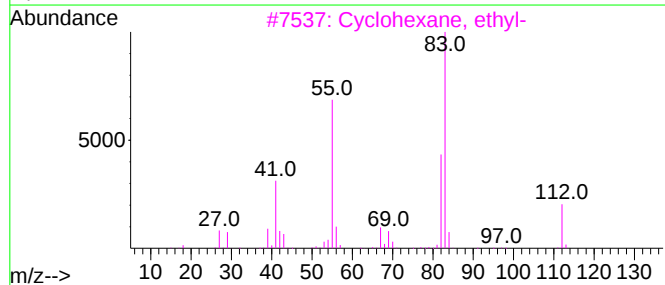
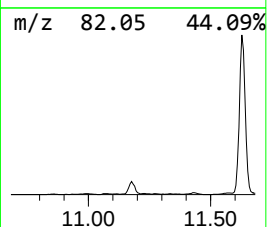
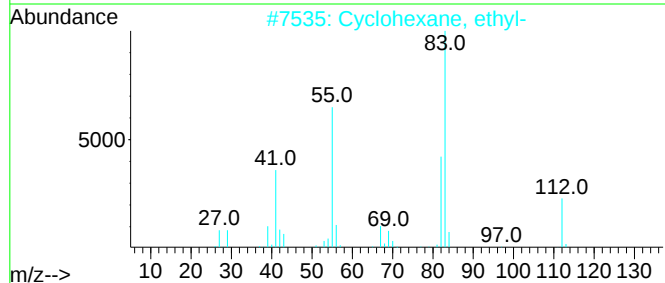
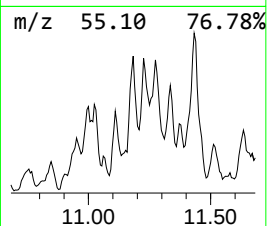
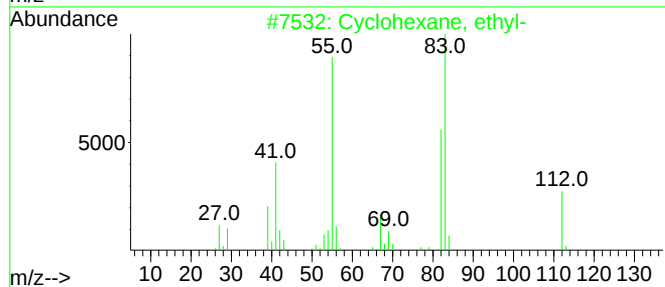
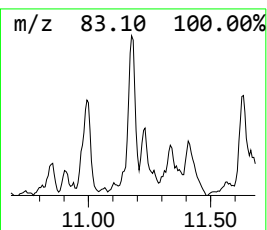
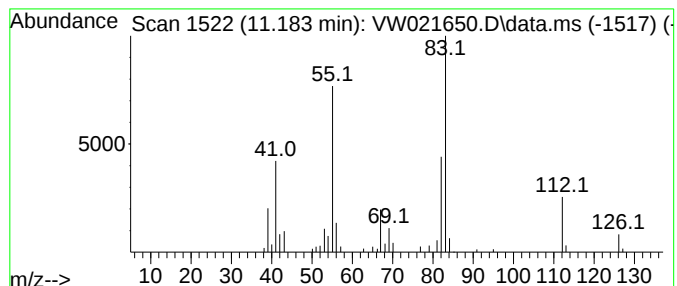
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic11.183 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	2.46 ug/L	36995	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

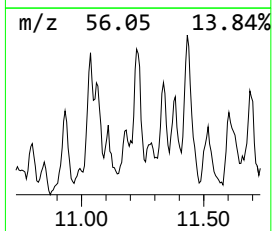
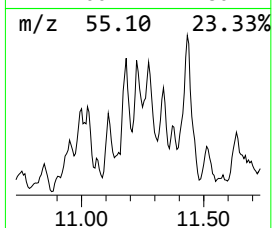
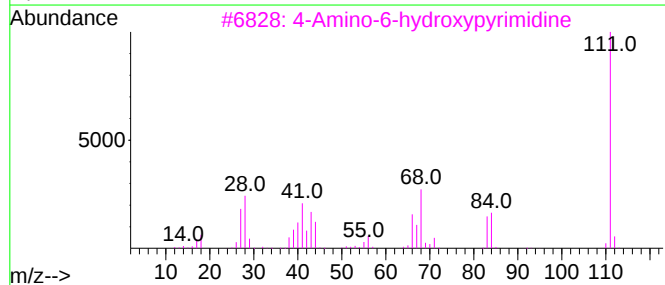
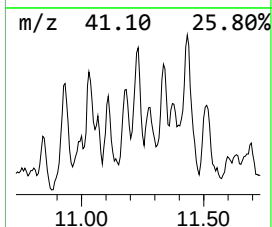
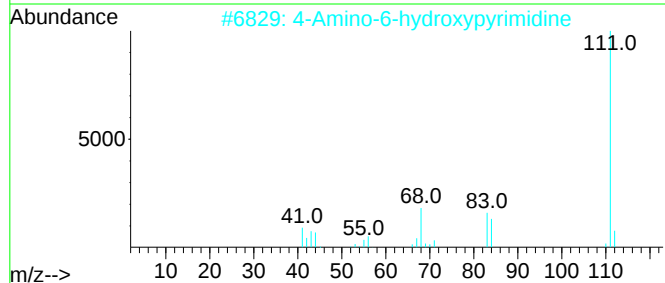
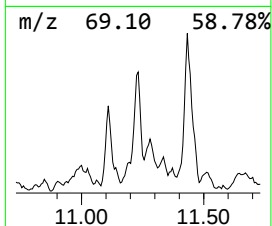
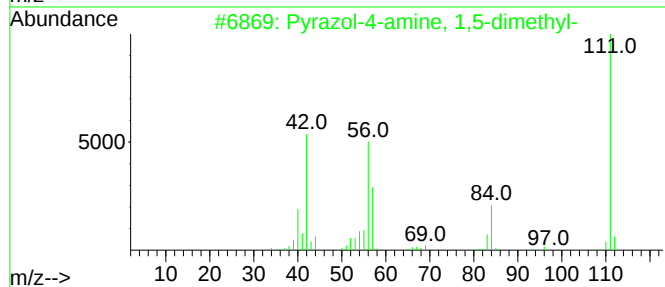
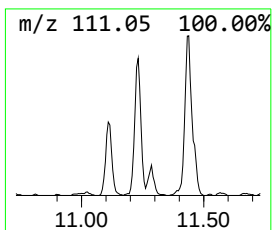
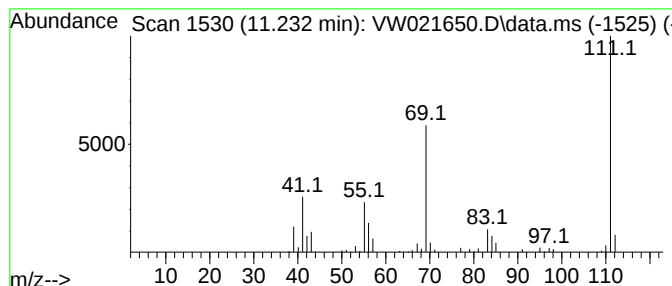
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Quant Title : SFAM01.0

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

Peak Number 15 Pyrazol-4-amine, 1,5-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	3.26 ug/L	48977	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	64
2			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
3			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59
4			1-Aminocyclopropanecarboxylic ac...	212	C11H20N2O2	1000375-50-9	59
5			5-Amino-1-methyl-2-piperidinone,...	170	C8H14N2O2	1000470-12-3	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

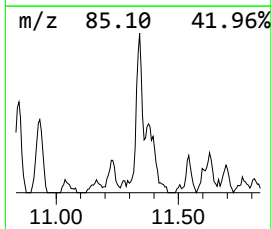
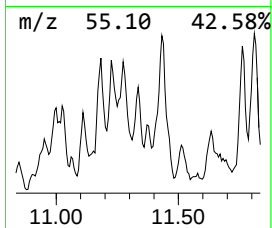
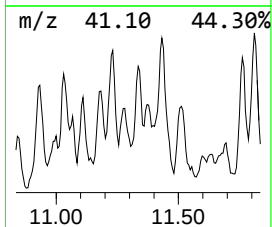
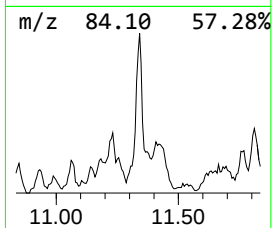
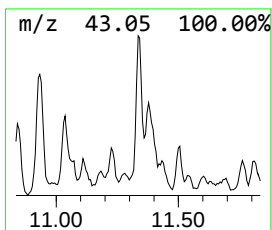
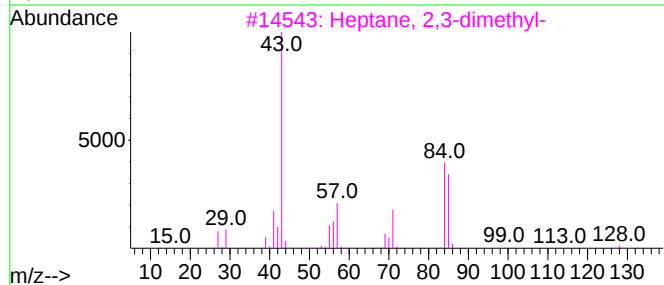
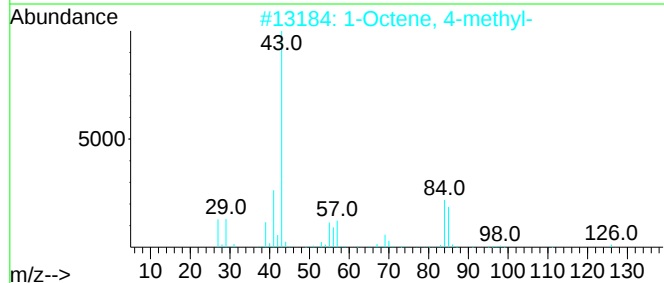
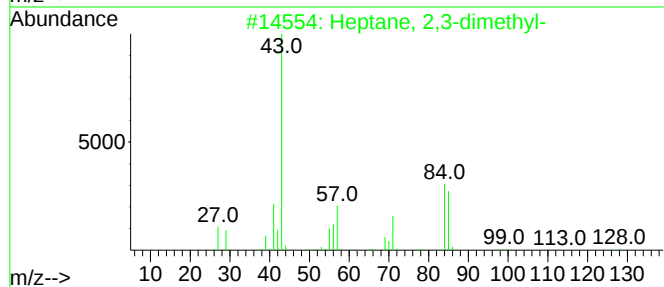
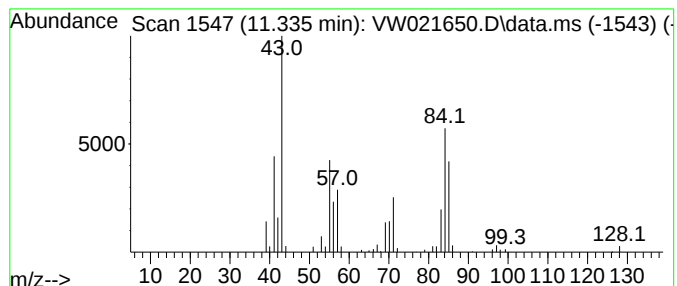
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	2.42 ug/L	36339	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	80
2			1-Octene, 4-methyl-	126	C9H18	013151-12-7	59
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

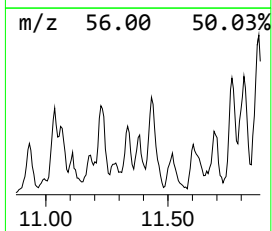
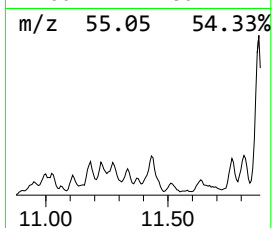
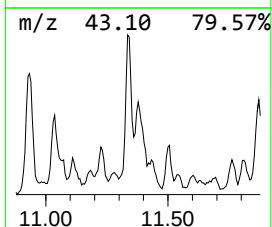
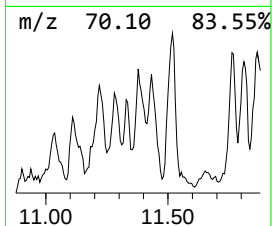
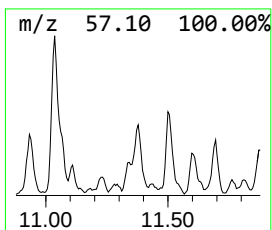
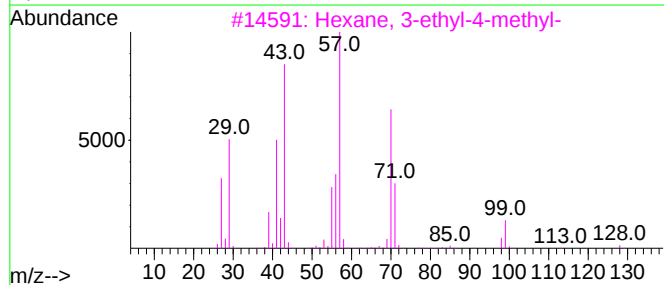
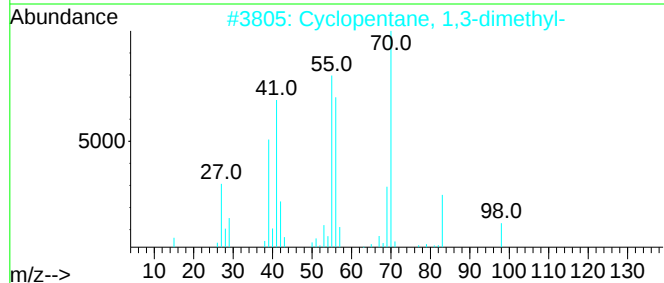
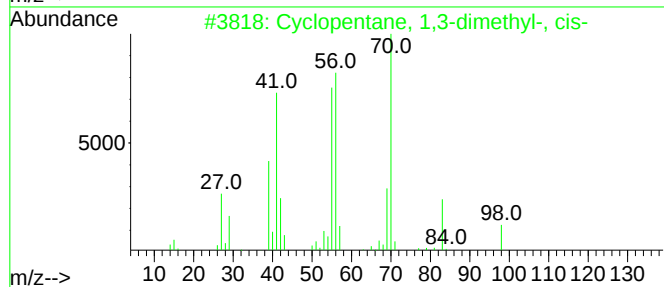
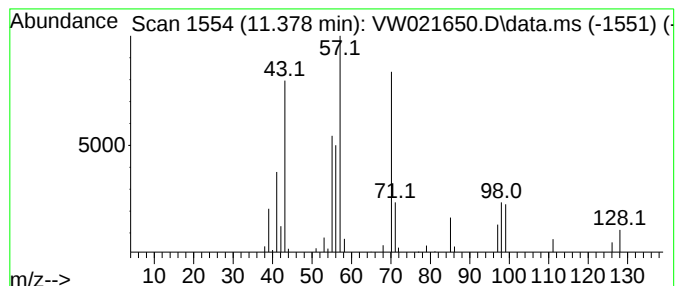
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.378 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	1.37 ug/L	20534	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43
3			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	42
4			Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	38
5			1H-1,2,3-Triazole-5-methanol	99	C3H5N3O	1010319-26-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

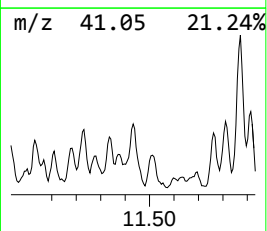
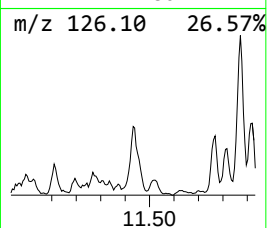
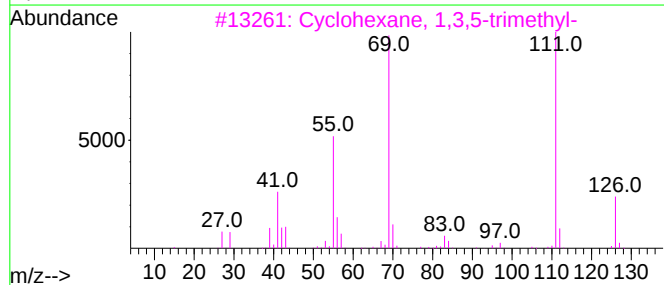
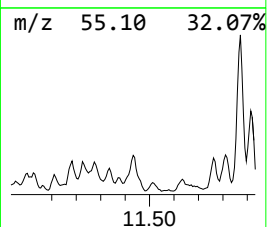
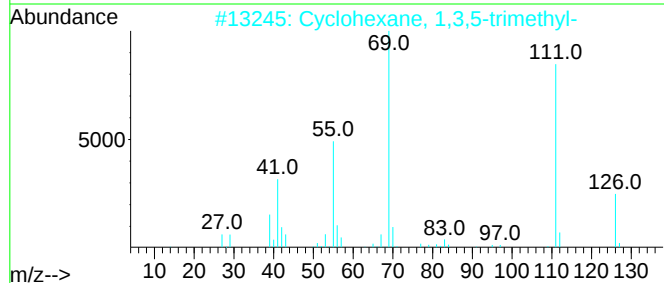
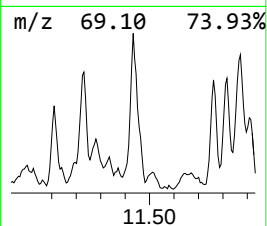
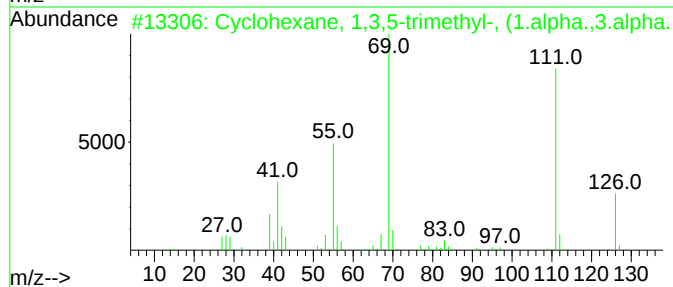
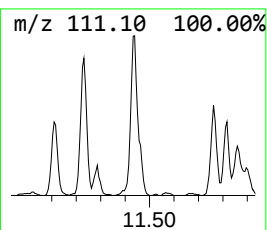
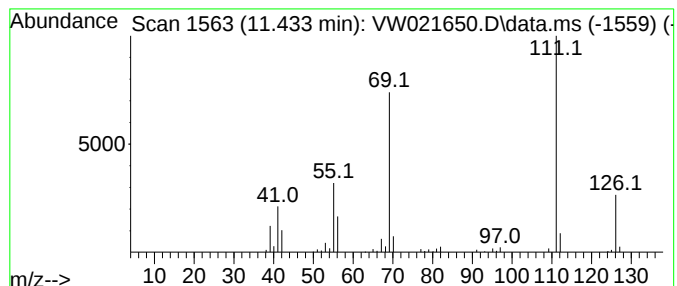
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic11.433 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	7.32 ug/L	109937	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

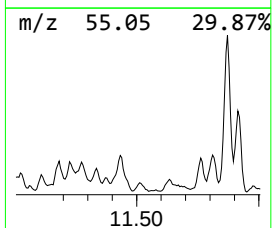
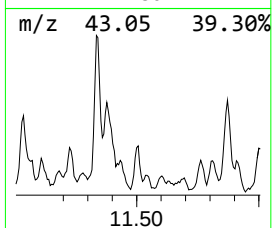
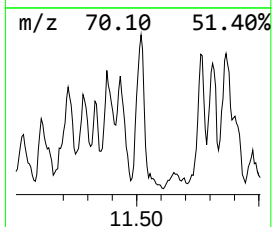
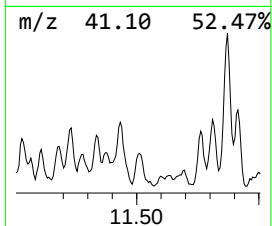
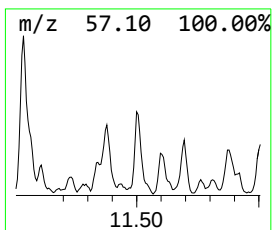
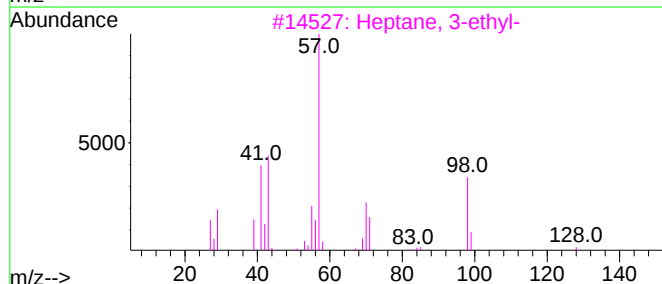
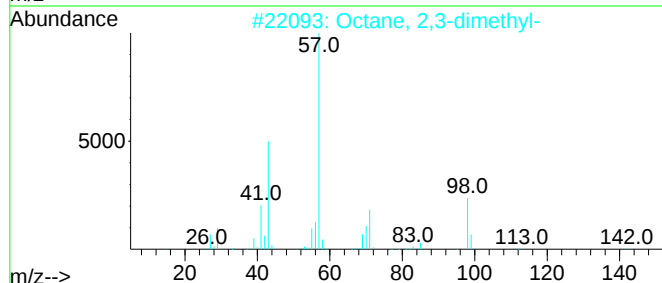
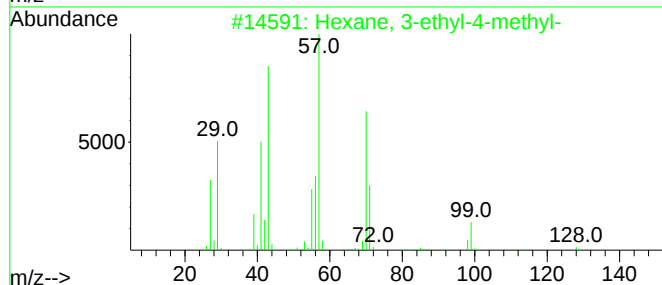
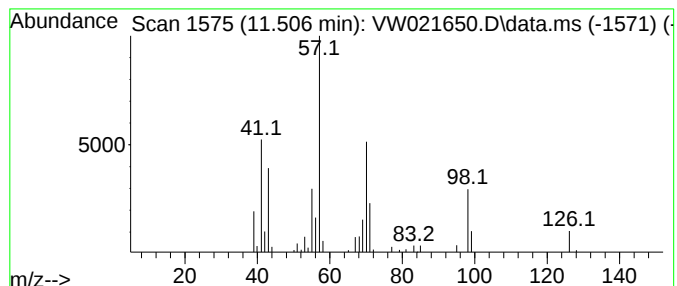
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.506	2.56 ug/L	38394	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	58
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3			Heptane, 3-ethyl-	128	C9H20	015869-80-4	49
4			Undecane, 6-methyl-	170	C12H26	017302-33-9	47
5			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

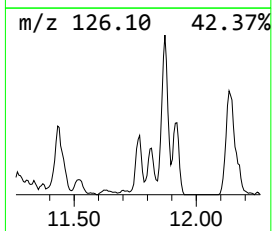
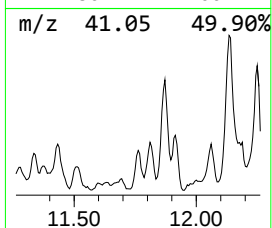
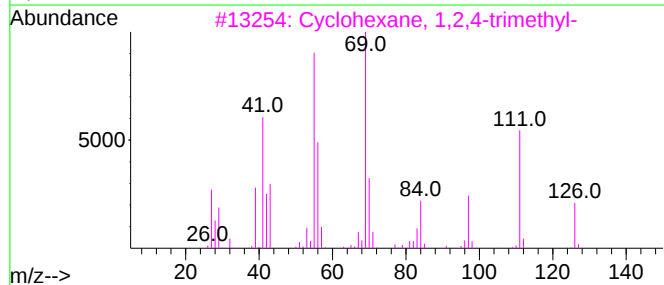
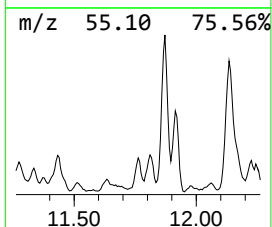
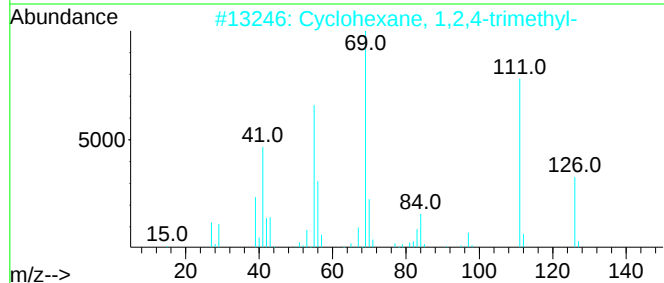
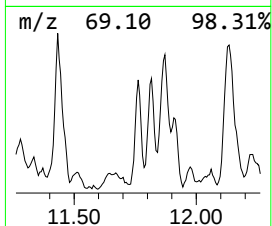
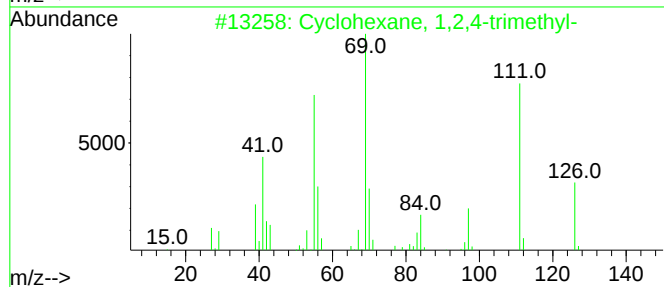
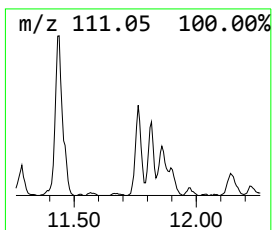
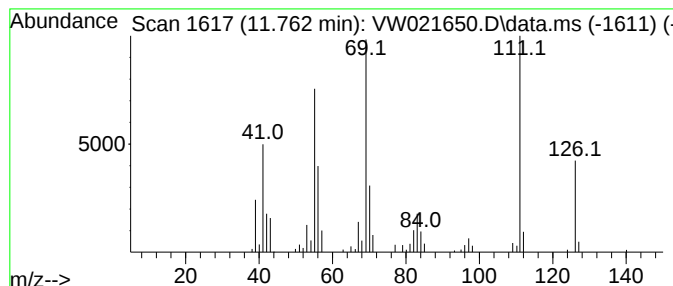
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.762 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.762	4.96 ug/L	74453	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	90
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

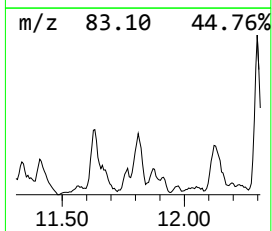
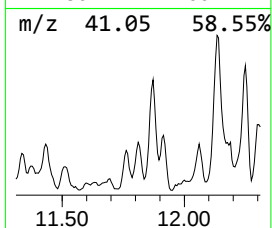
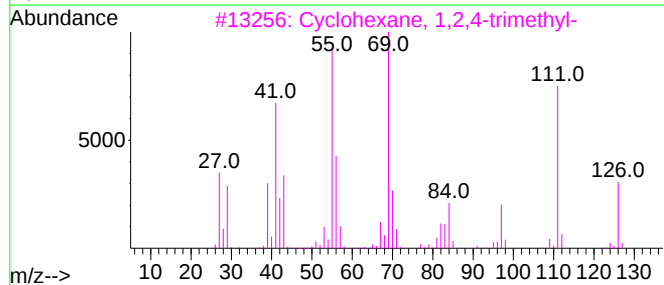
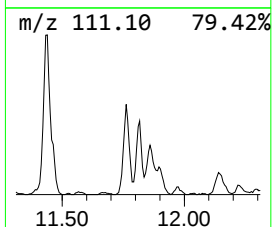
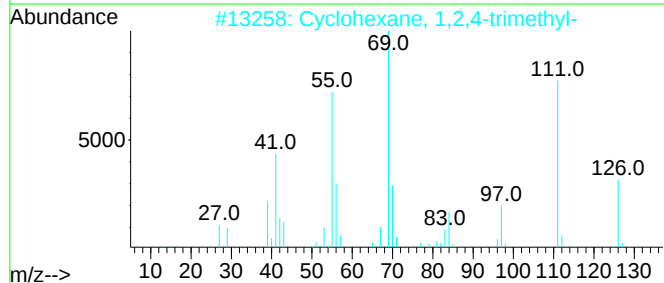
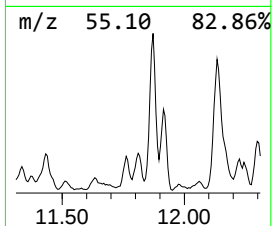
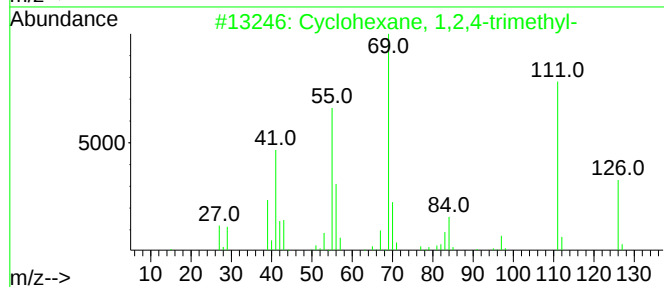
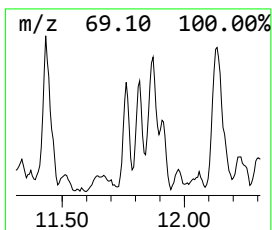
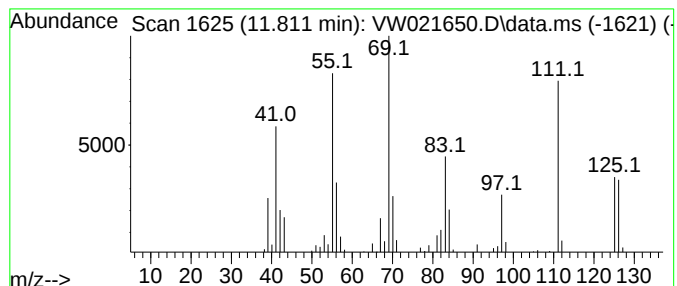
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.811 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.811	5.96 ug/L	89447	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

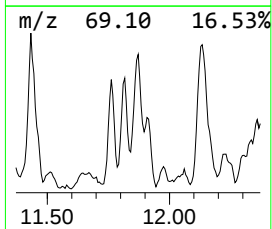
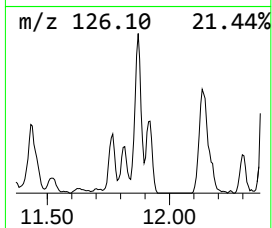
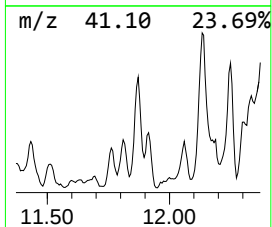
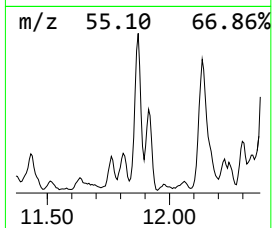
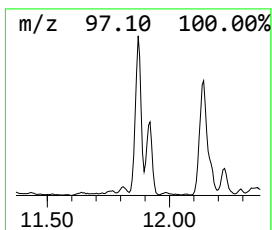
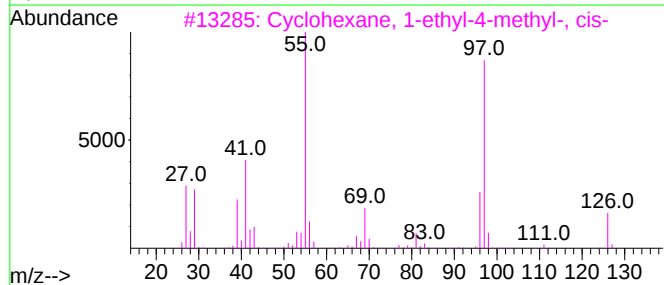
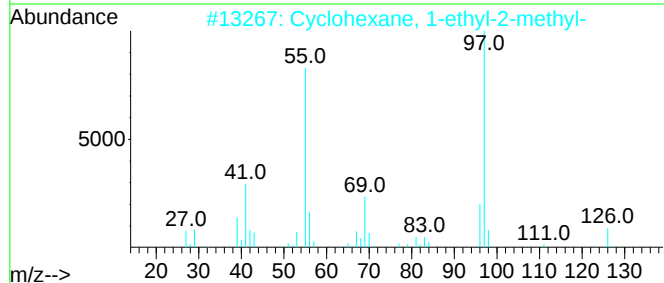
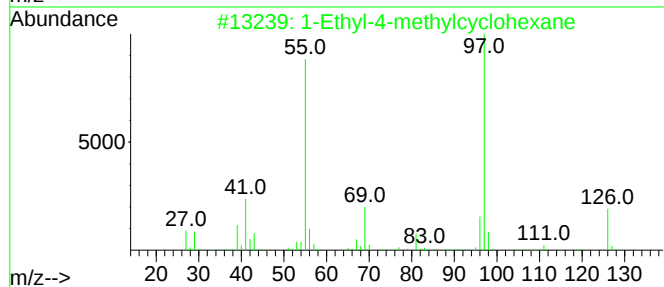
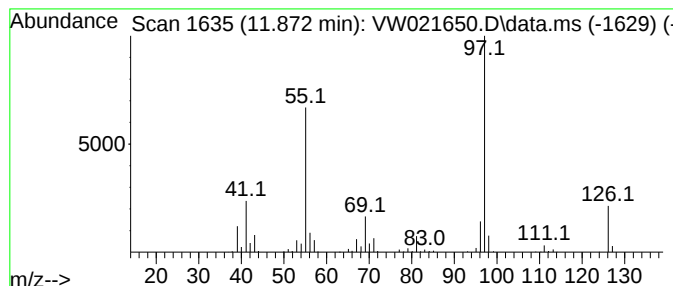
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.872 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.872	16.79 ug/L	252138	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

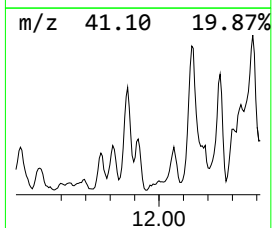
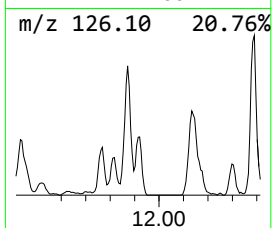
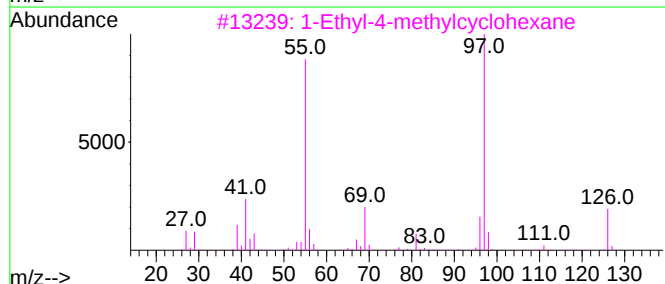
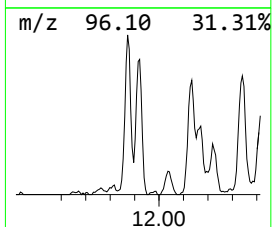
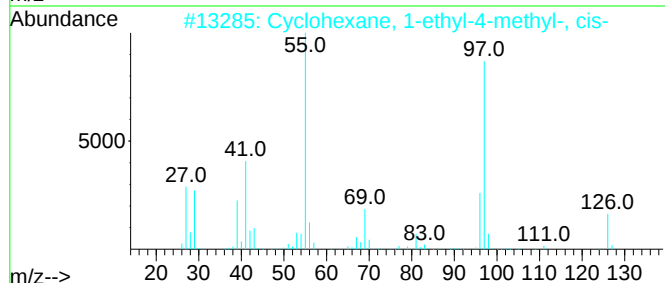
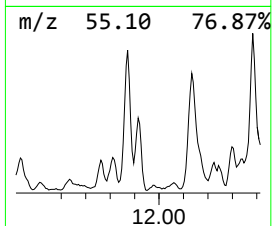
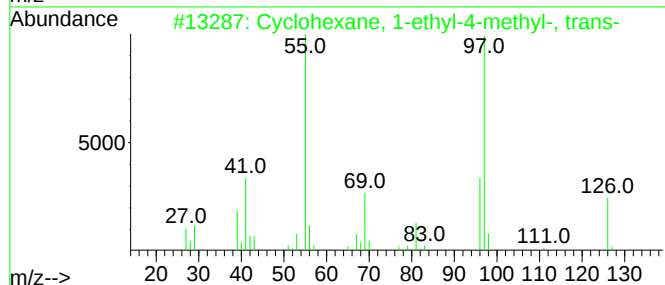
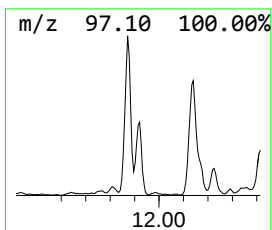
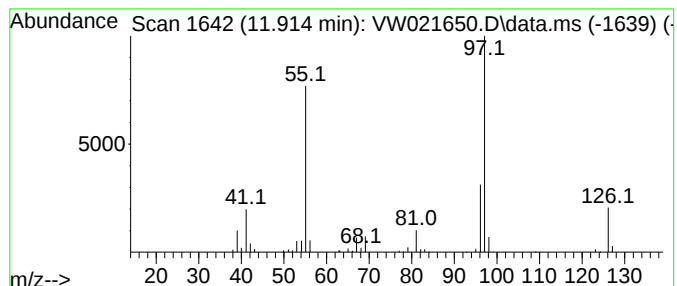
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.914 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	7.43 ug/L	111543	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

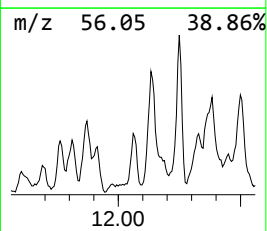
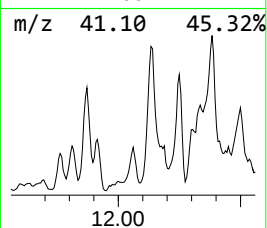
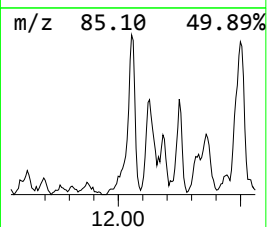
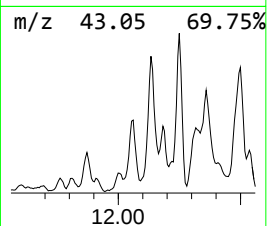
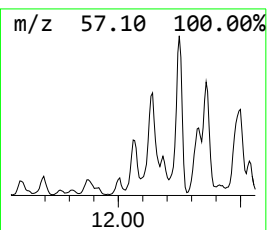
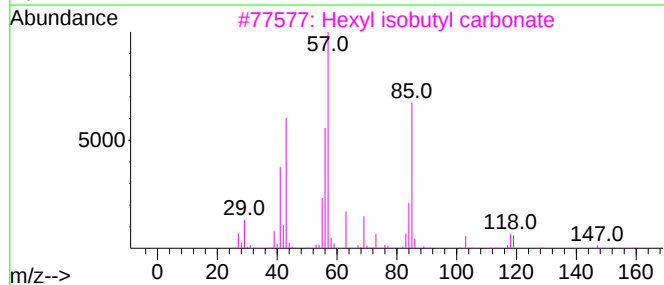
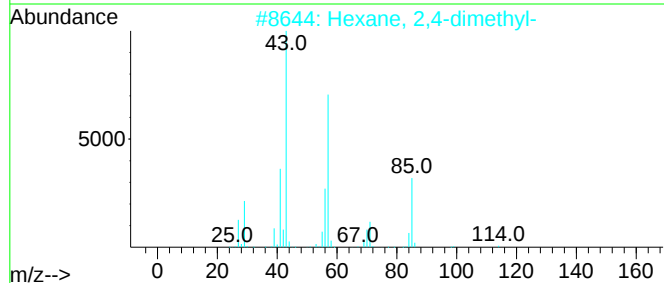
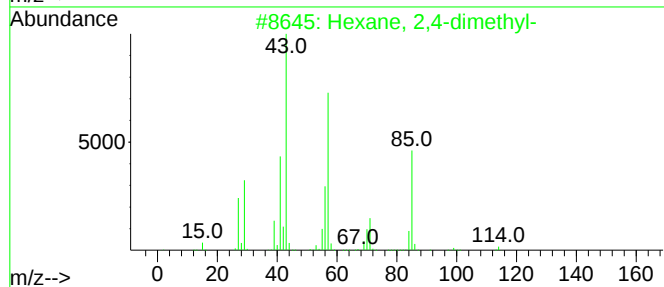
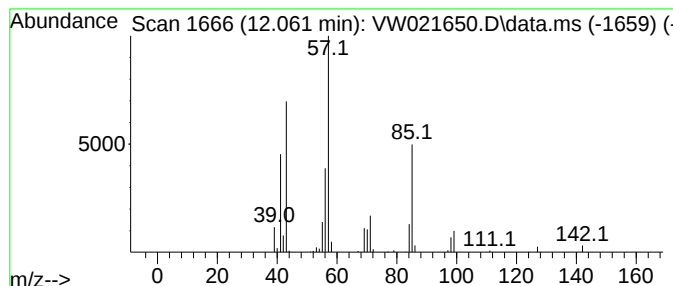
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.061	4.18 ug/L	62755	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
3			Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	59
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
5			Tetradecane	198	C14H30	000629-59-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

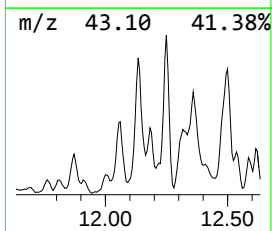
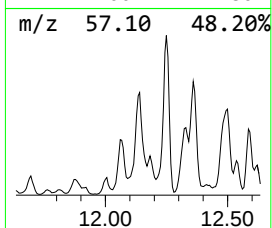
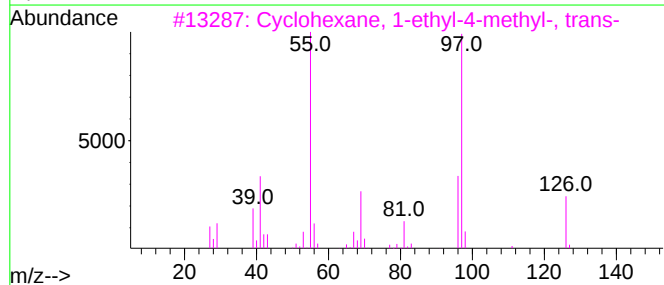
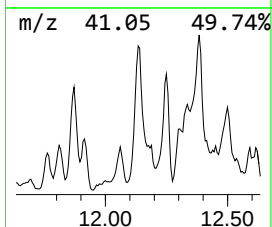
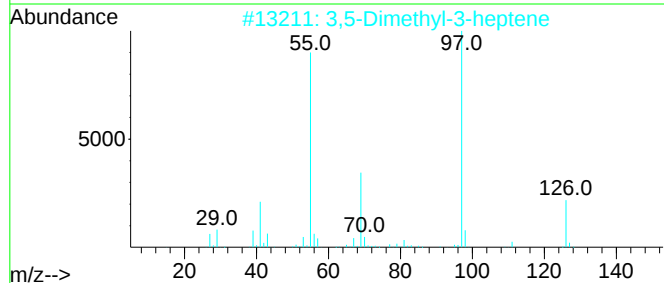
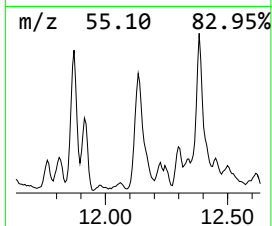
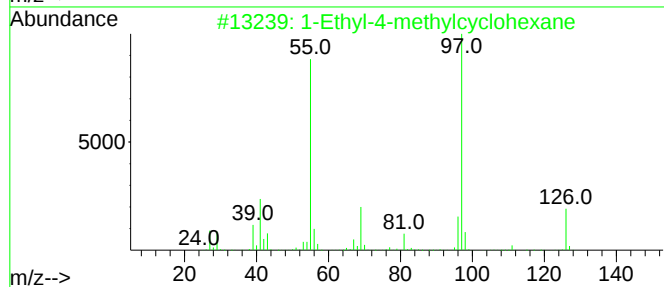
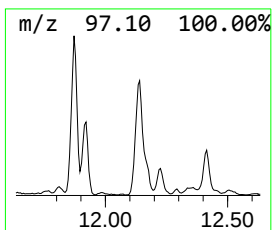
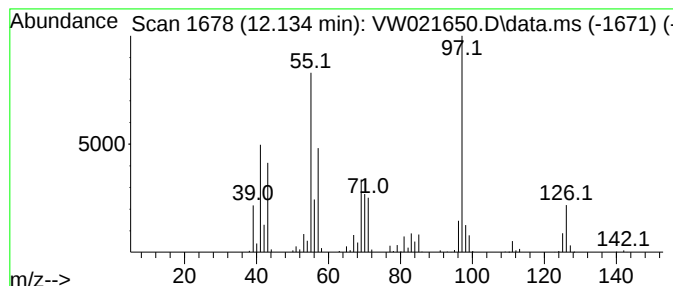
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	29.57 ug/L	444110	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

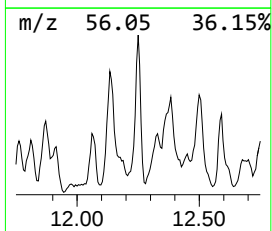
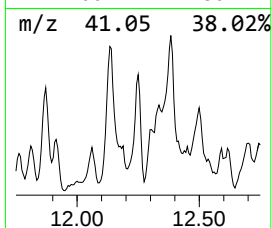
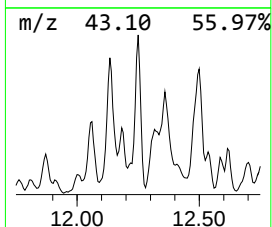
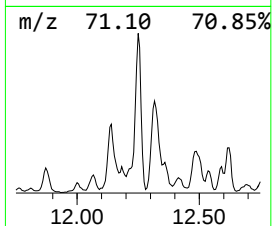
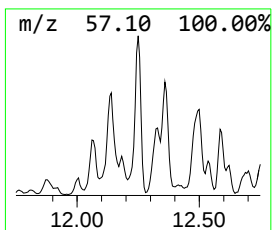
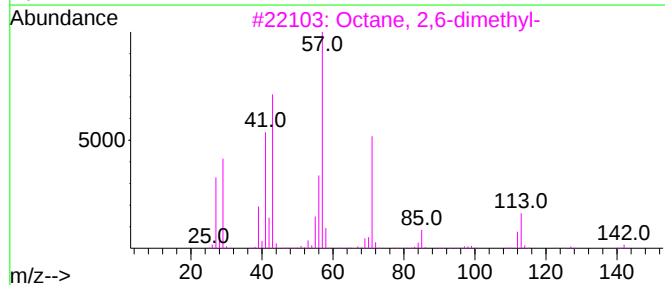
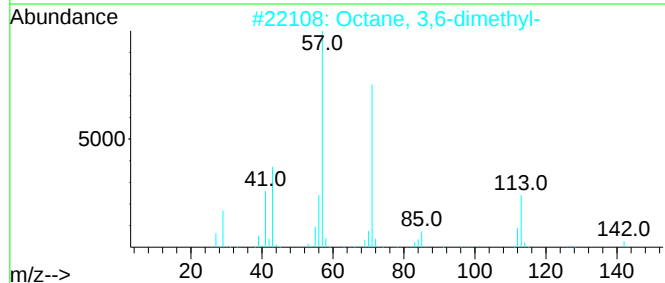
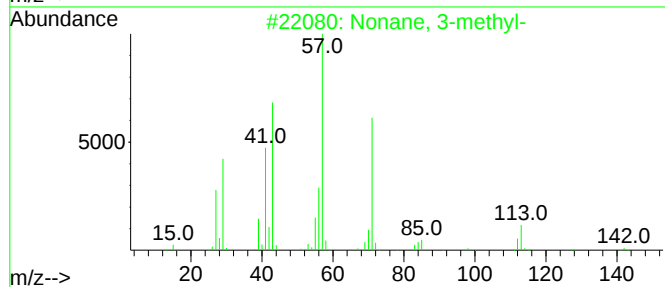
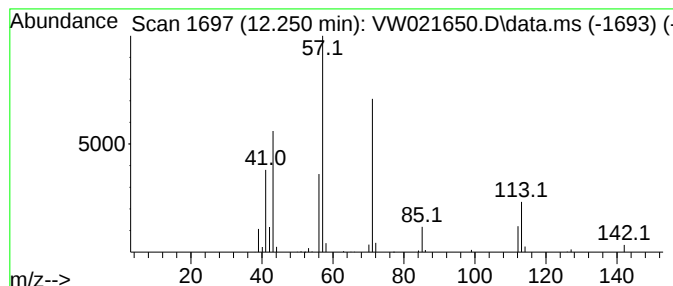
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	10.19 ug/L	153113	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

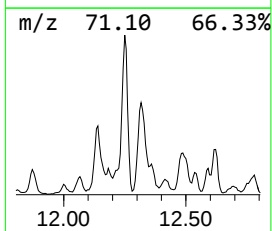
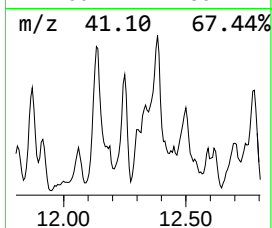
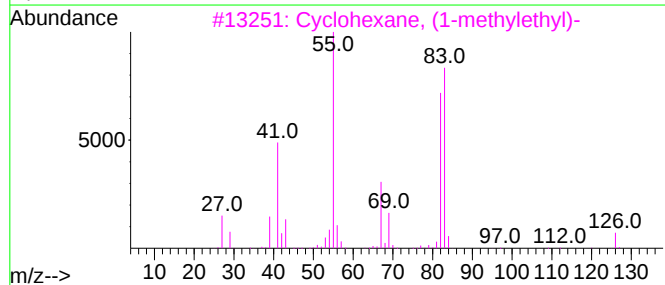
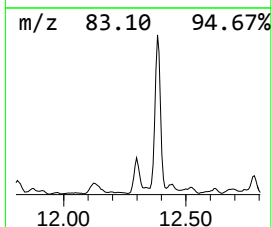
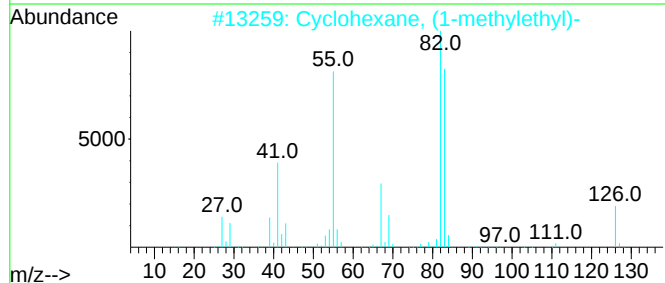
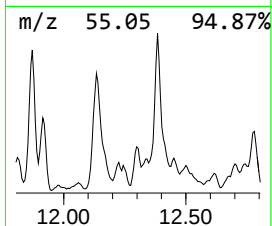
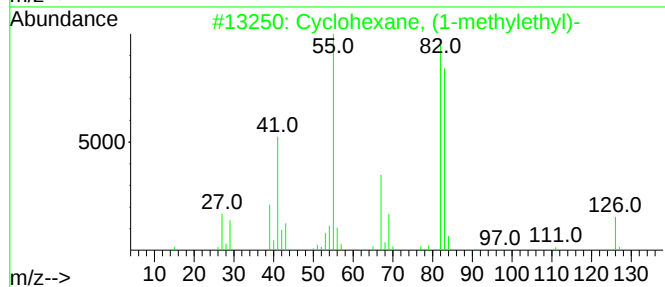
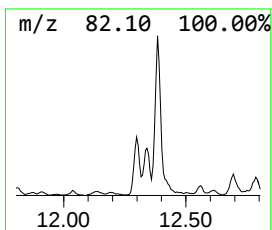
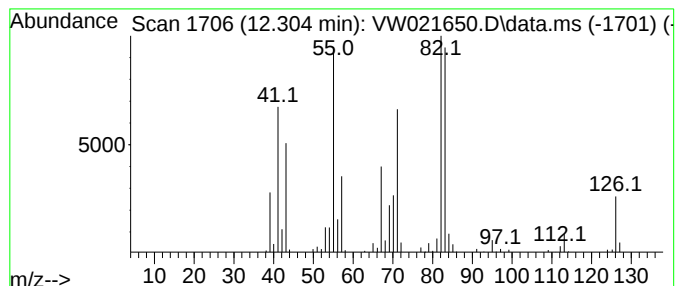
Instrument :
MSVOA_W
ClientSampleId :
BGL96

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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic12.305 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.305	5.68 ug/L	85283	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	81
2	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	81
3	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	76
4	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	62
5	Cyclohexane, (1-methylethyl)-		126	C9H18	000696-29-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

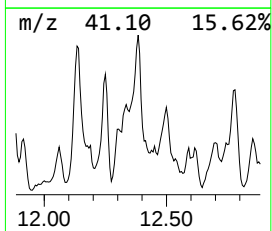
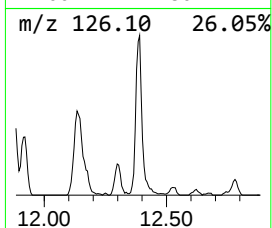
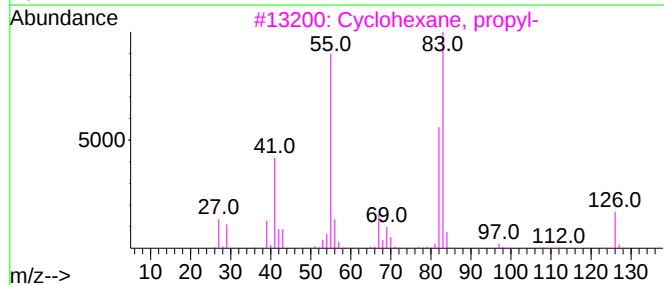
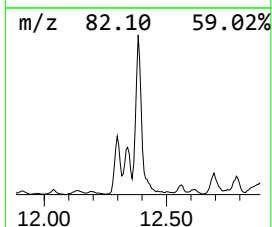
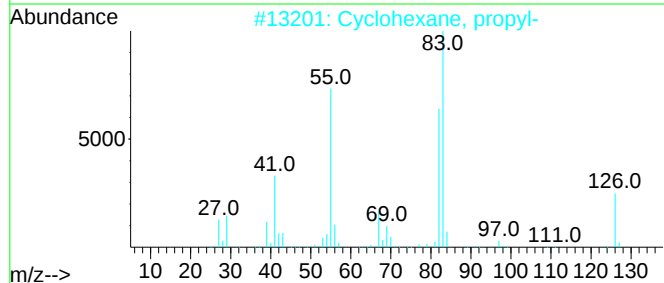
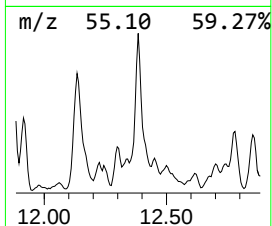
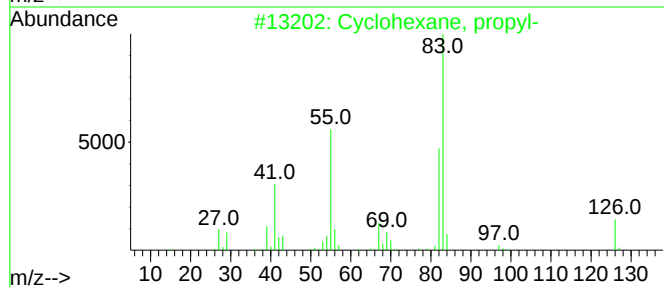
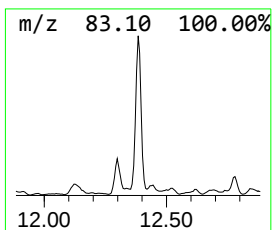
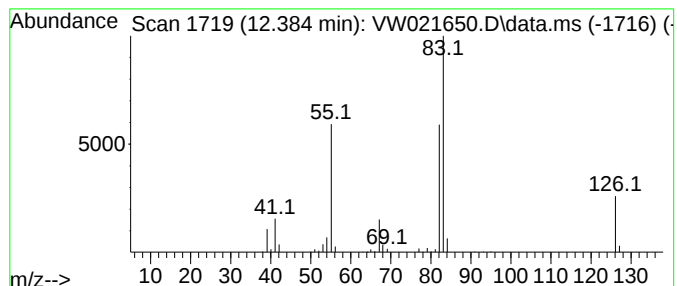
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic12.384 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	12.67 ug/L	190379	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5			Cyclohexane, undecyl-	238	C17H34	054105-66-7	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

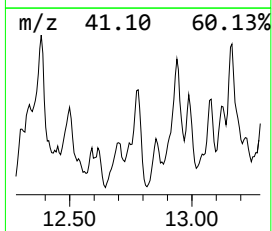
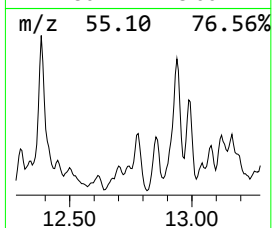
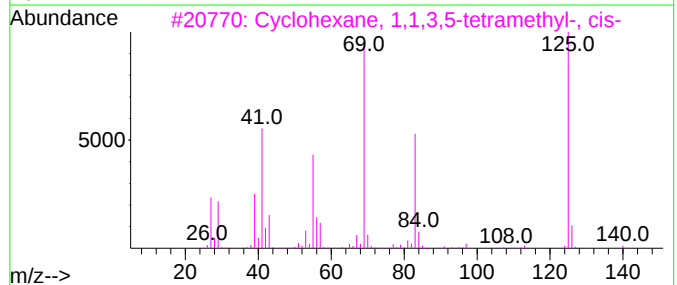
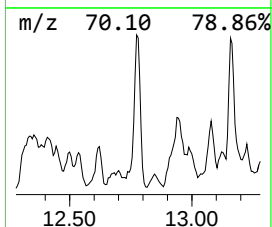
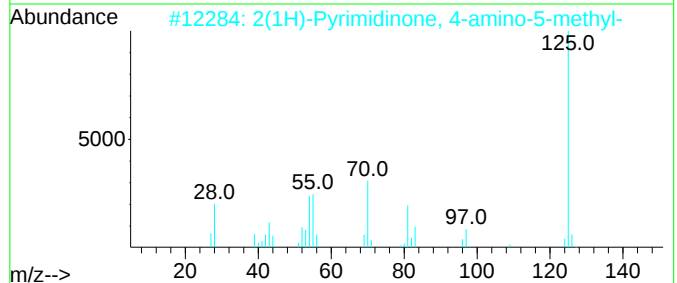
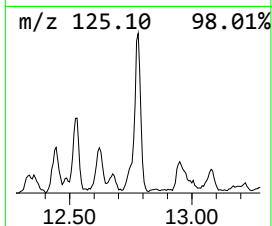
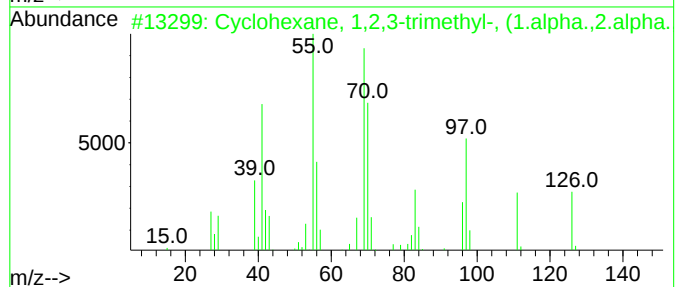
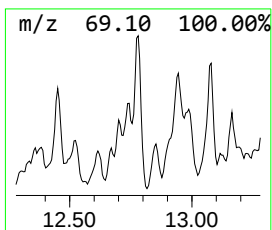
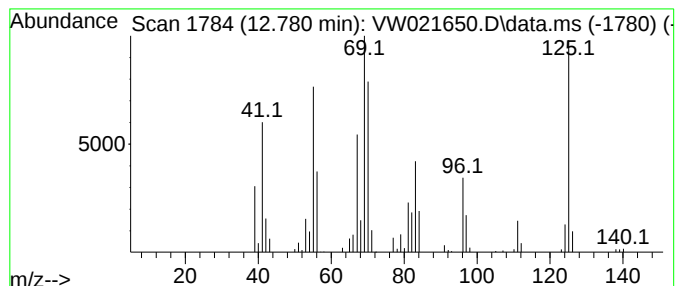
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic12.780 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	15.47 ug/L	229368	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	52
2			2(1H)-Pyrimidinone, 4-amino-5-me...	125	C5H7N3O	000554-01-8	47
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
5			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

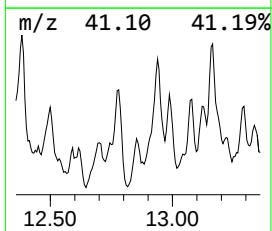
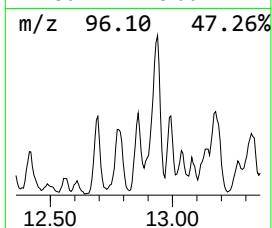
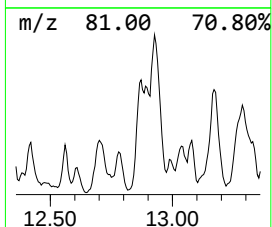
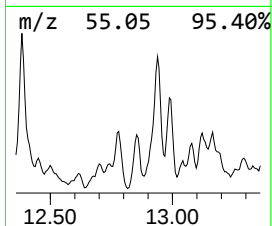
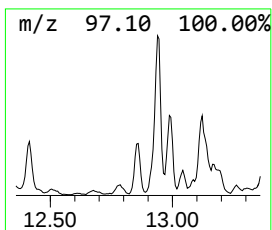
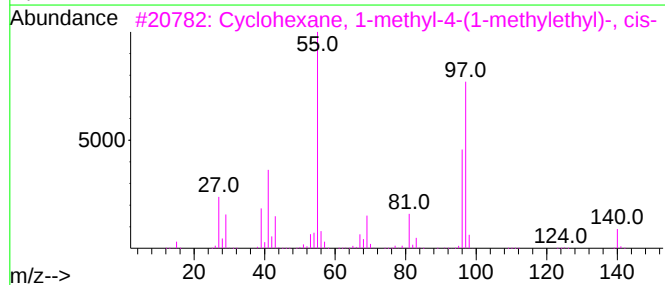
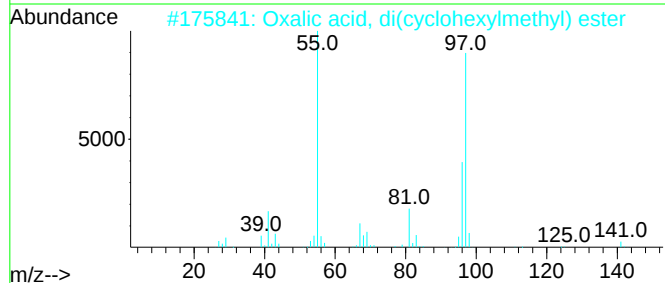
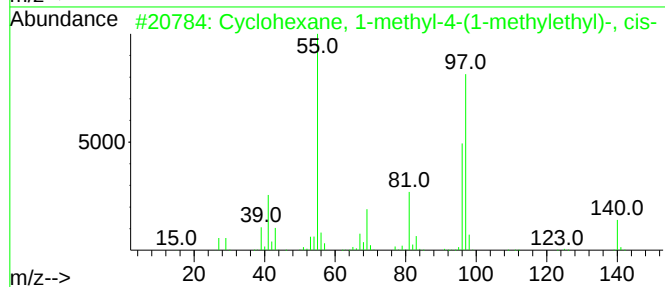
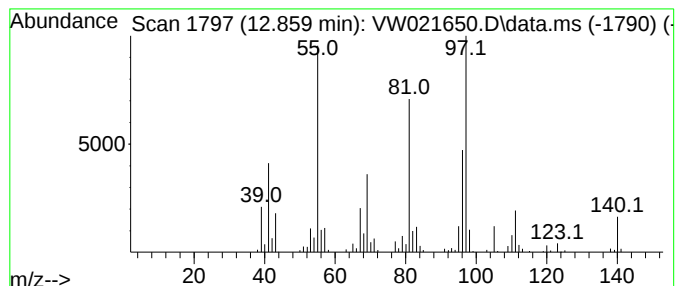
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic12.859 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	9.71 ug/L	143971	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	76
2			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	72
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	68
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	68
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

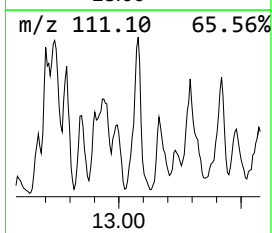
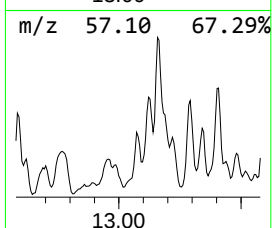
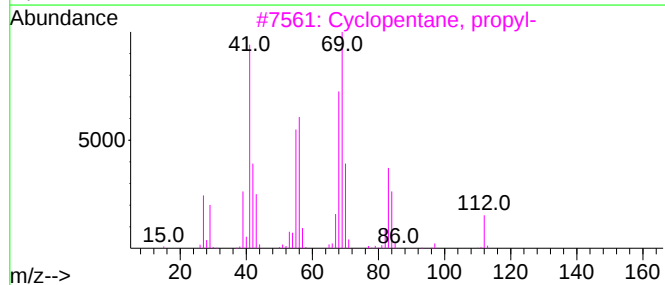
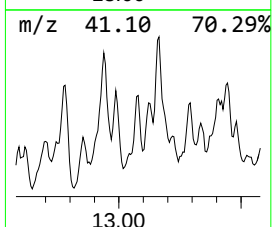
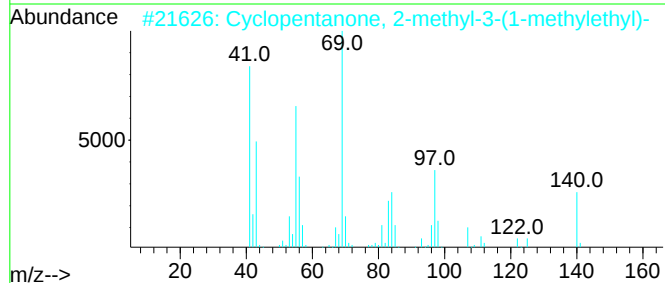
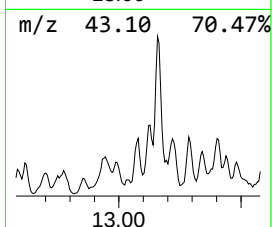
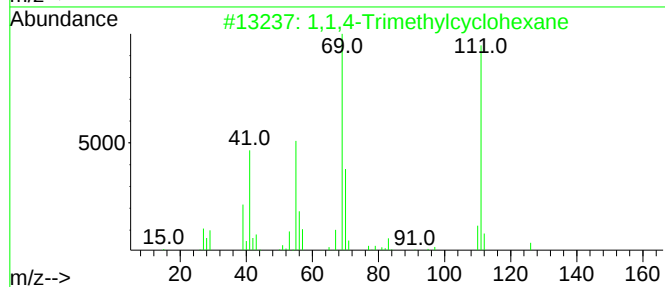
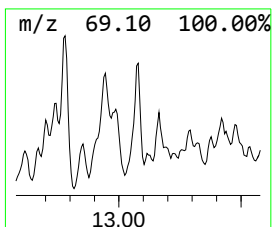
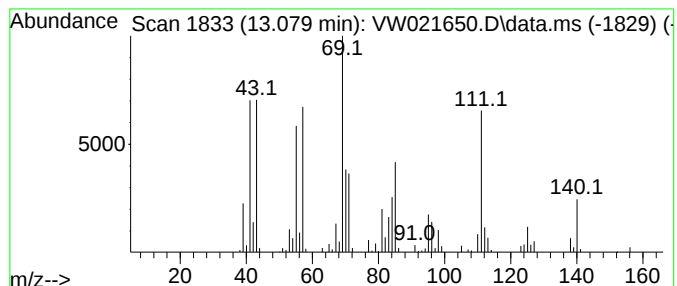
Instrument :
MSVOA_W
ClientSampleId :
BGL96

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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 19

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.079	5.83 ug/L	86378	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane		126	C9H18	007094-27-1	53
2	Cyclopentanone, 2-methyl-3-(1-me...		140	C9H16O	054549-81-4	46
3	Cyclopentane, propyl-		112	C8H16	002040-96-2	43
4	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	43
5	2-Heptene, 4-methyl-, (E)-		112	C8H16	066225-17-0	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

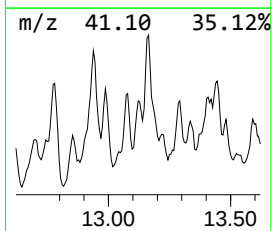
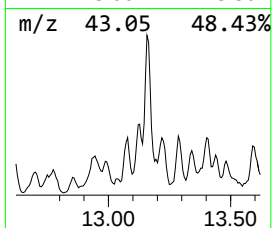
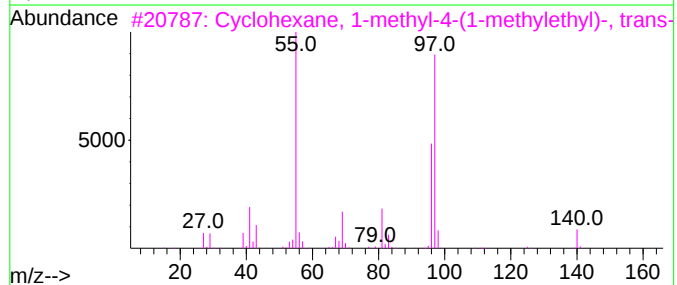
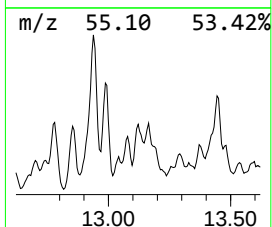
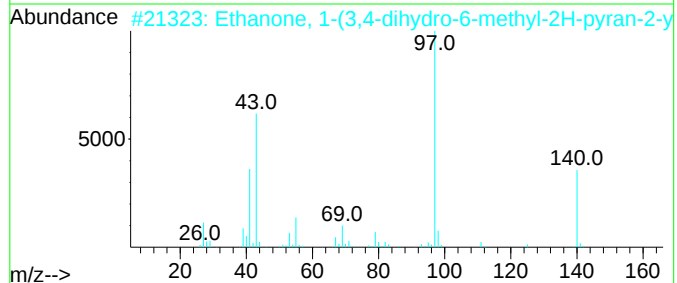
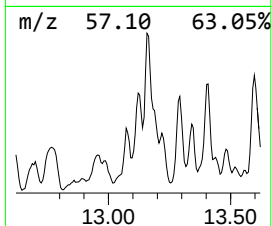
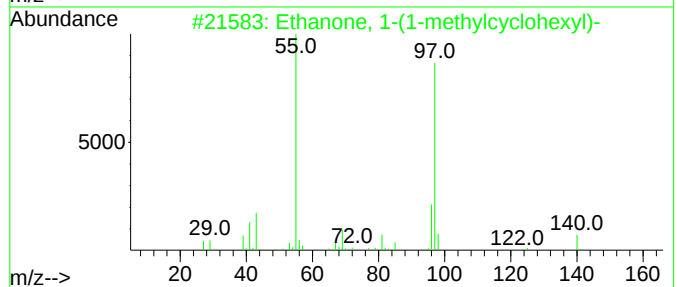
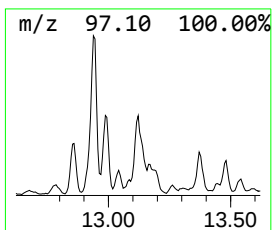
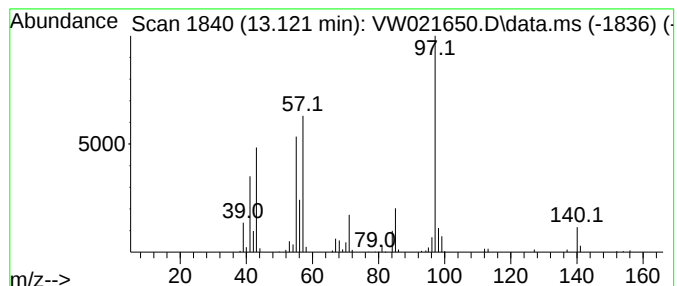
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Quant Title : SFAM01.0

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

Peak Number 32 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	5.89 ug/L	87301	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47
2			Ethanone, 1-(3,4-dihydro-6-methy...	140	C8H12O2	028450-02-4	43
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
4			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	43
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

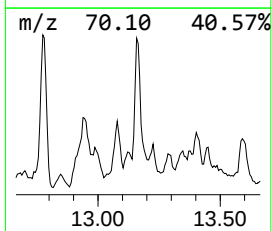
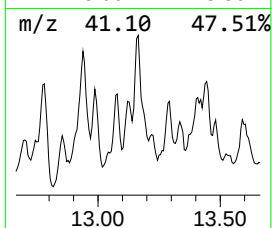
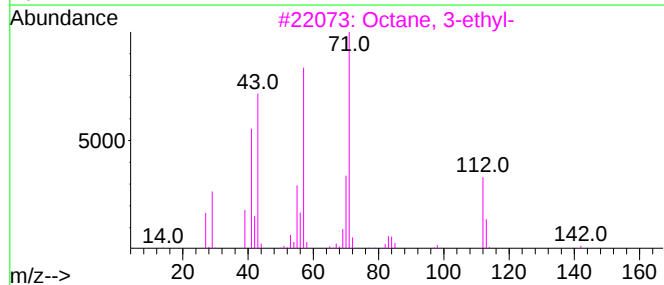
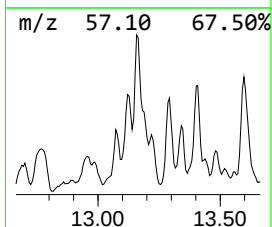
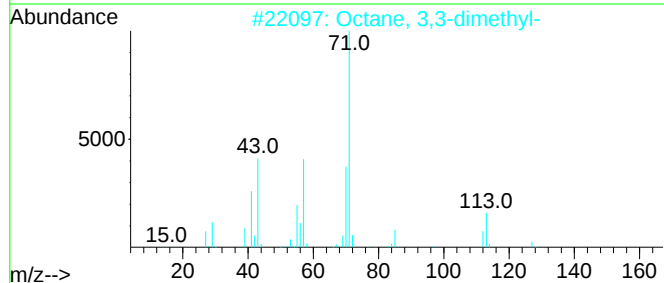
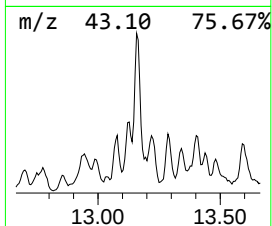
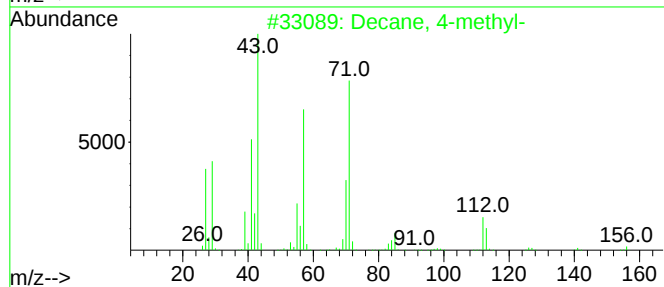
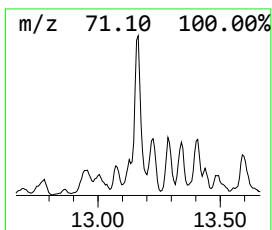
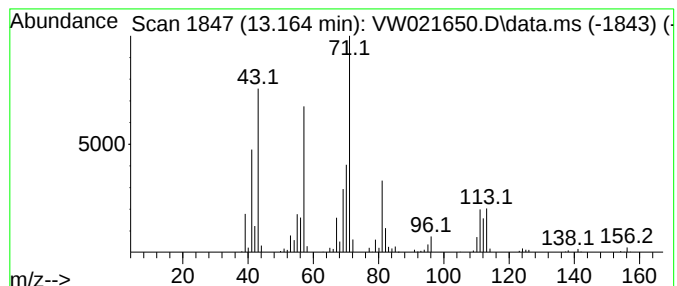
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	14.80 ug/L	219401	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	64
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3		Octane, 3-ethyl-	142	C10H22	005881-17-4	53
4		Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	53
5		Decane, 4-methyl-	156	C11H24	002847-72-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

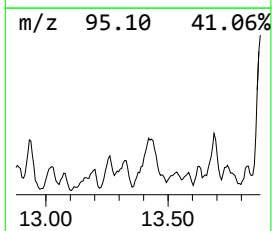
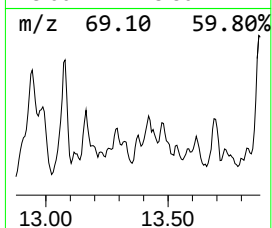
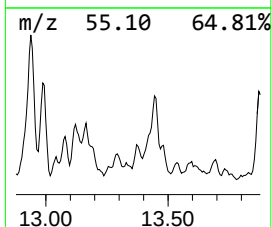
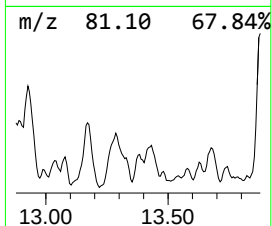
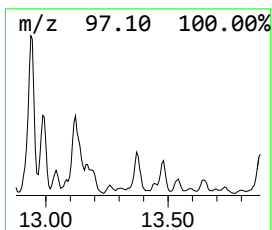
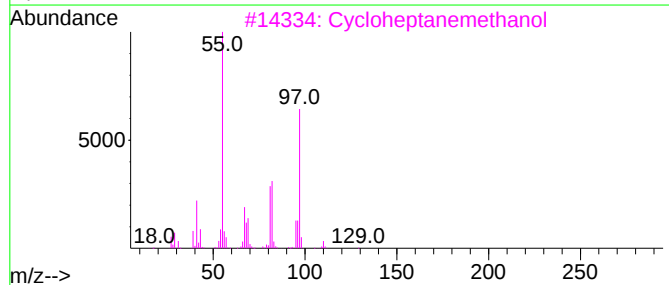
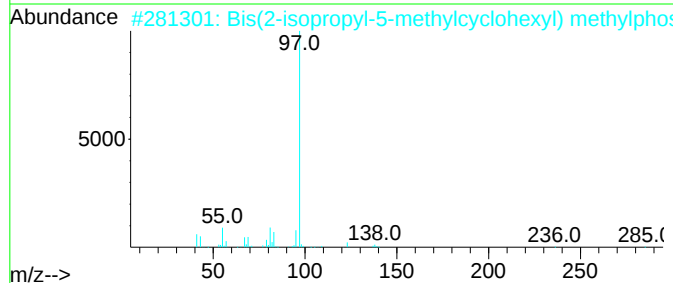
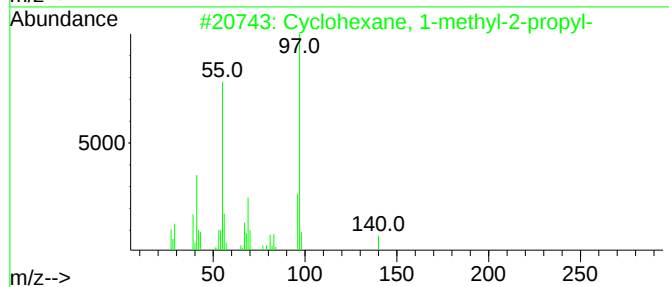
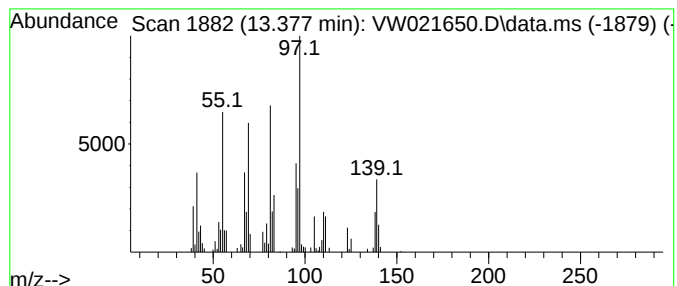
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic13.378 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	2.34 ug/L	34731	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
2			Bis(2-isopropyl-5-methylcyclohex...	372	C21H41O3P	1000510-36-7	35
3			Cycloheptanemethanol	128	C8H16O	004448-75-3	32
4			Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	25
5			2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

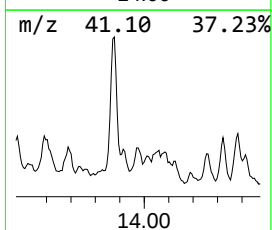
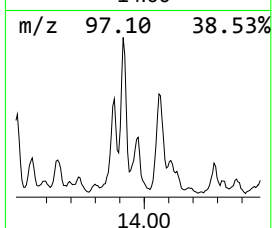
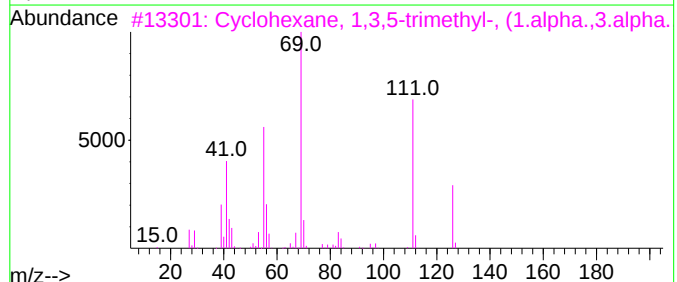
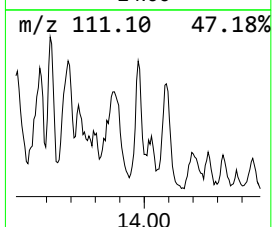
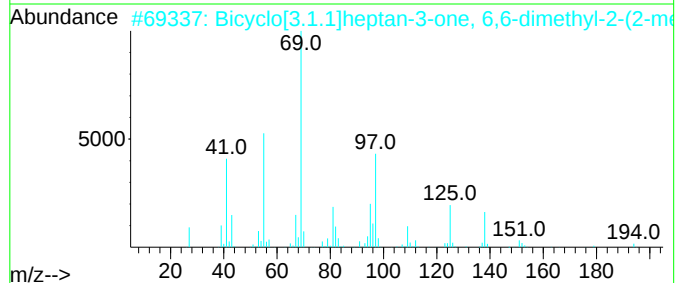
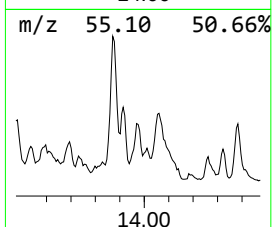
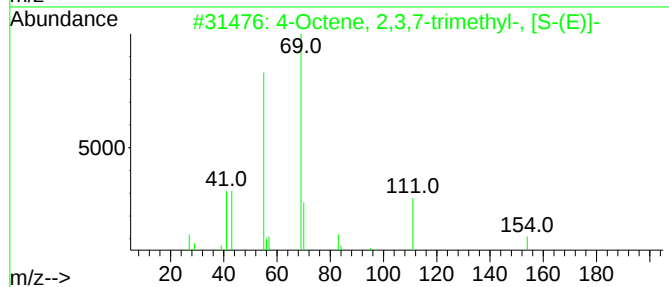
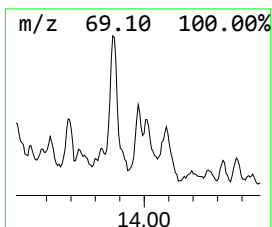
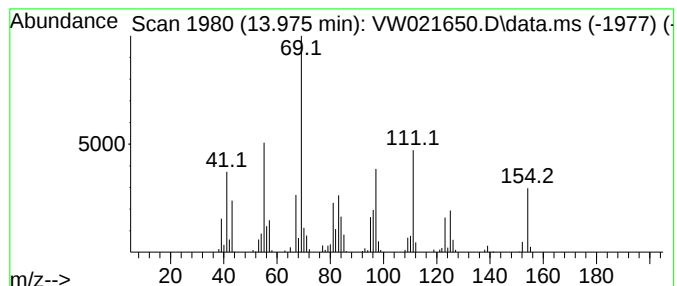
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	2.93 ug/L	43452	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,3,7-trimethyl-, [S-(...]	154	C11H22	052763-13-0	47
2			Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	43
3			Cyclohexane, 1,3,5-trimethyl-, (...]	126	C9H18	001795-26-2	38
4			Cyclooctane, butyl-	168	C12H24	016538-93-5	38
5			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

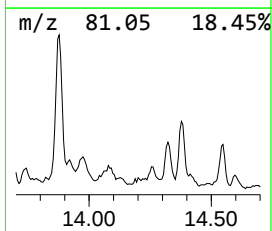
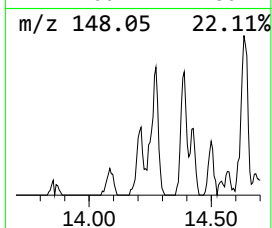
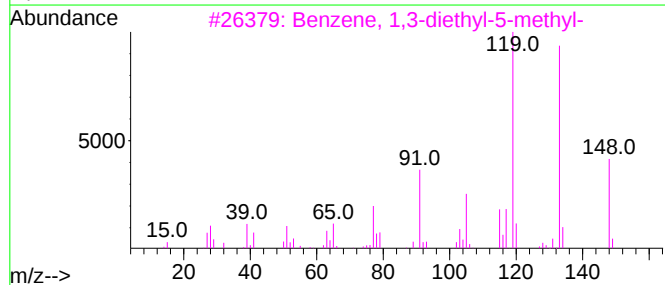
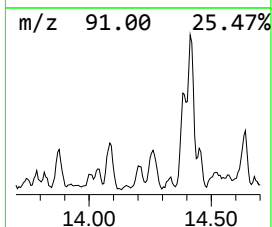
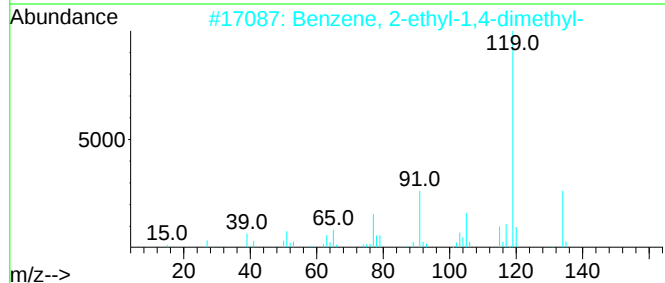
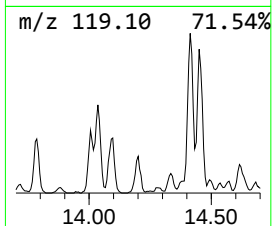
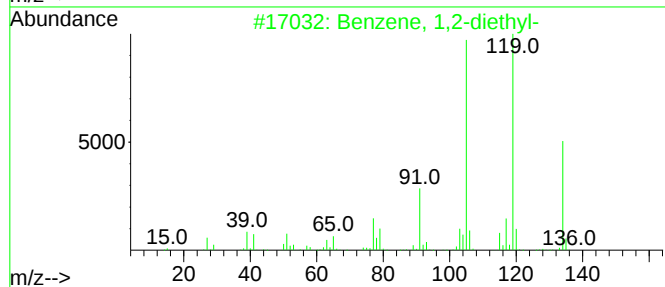
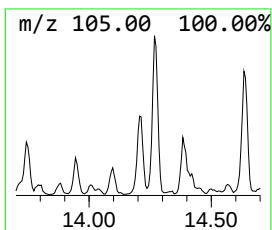
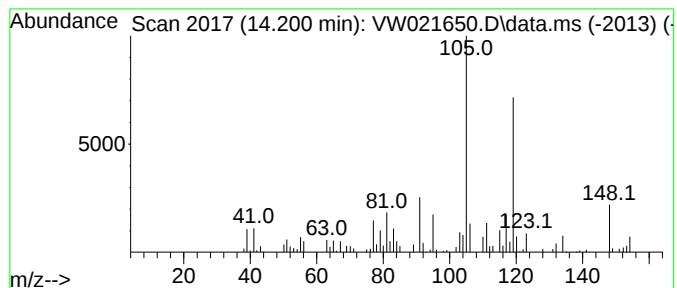
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Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1,2-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	2.82 ug/L	41785	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	58
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
4			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	50
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

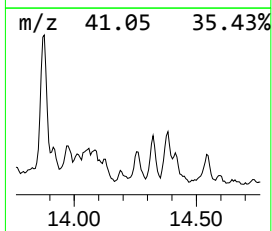
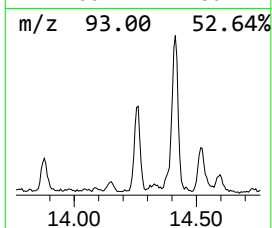
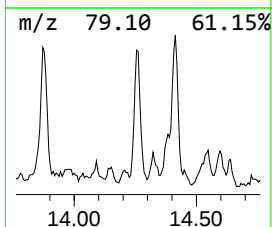
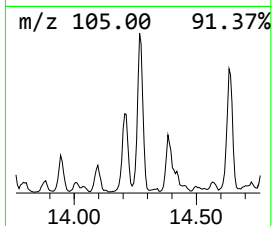
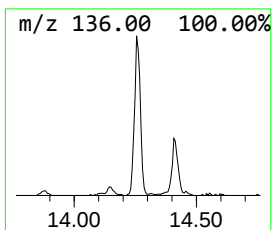
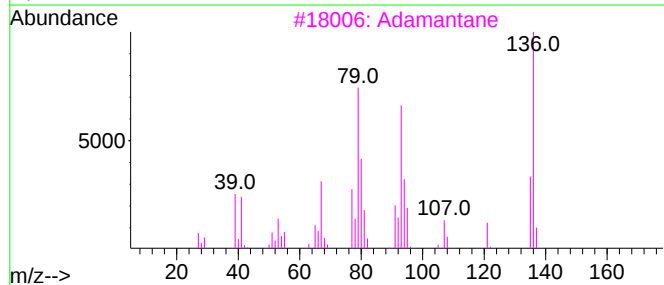
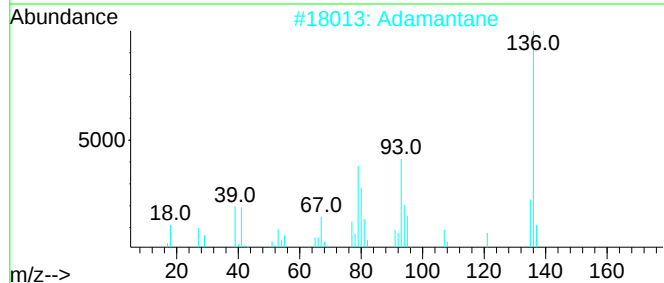
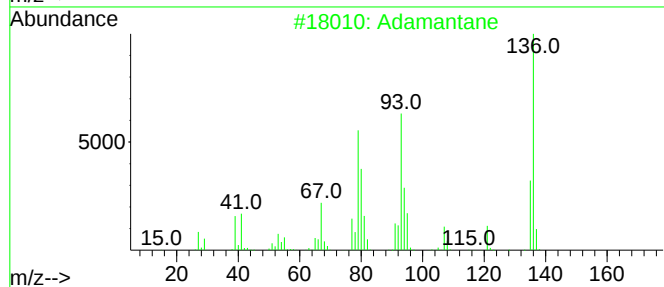
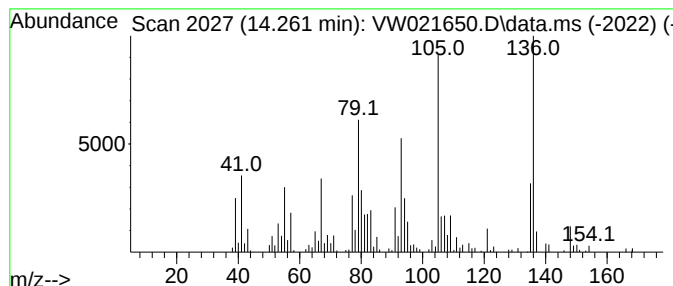
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Quant Title : SFAM01.0

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

Peak Number 37 Adamantane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	8.93 ug/L	132356	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	93
2	Adamantane			136	C10H16	000281-23-2	87
3	Adamantane			136	C10H16	000281-23-2	87
4	Adamantane			136	C10H16	000281-23-2	81
5	Adamantane			136	C10H16	000281-23-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

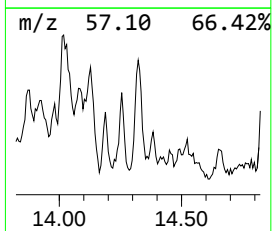
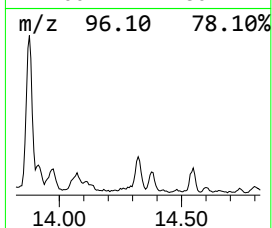
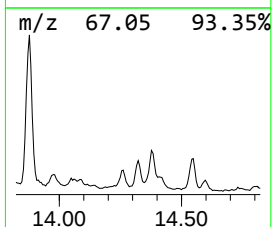
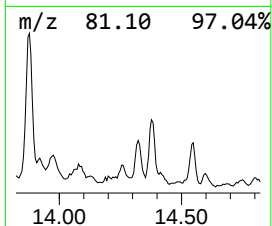
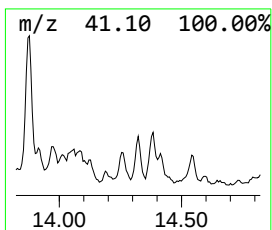
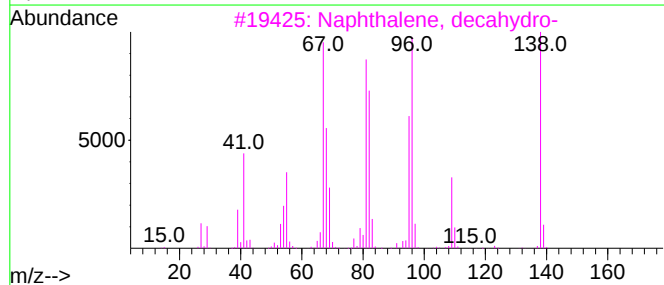
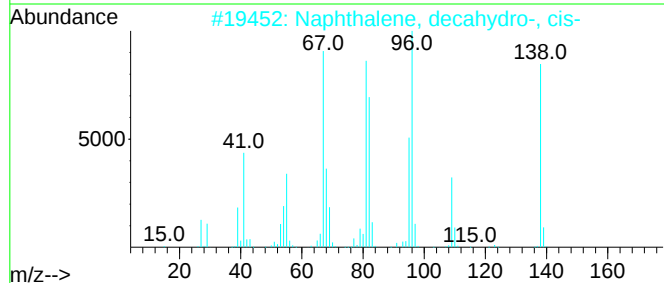
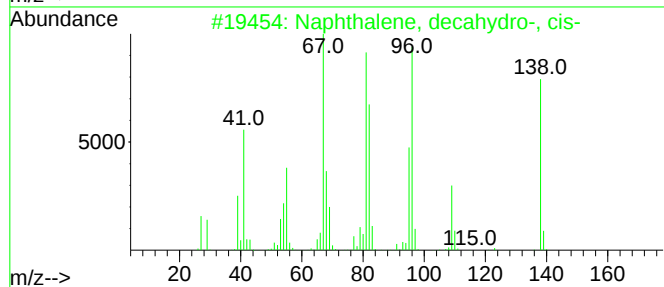
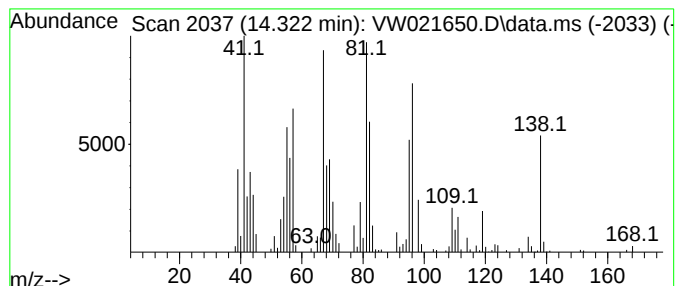
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Quant Title : SFAM01.0

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

Peak Number 38 Naphthalene, decahydro-, cis- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	5.55 ug/L	82258	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	96
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	95
3			Naphthalene, decahydro-	138	C10H18	000091-17-8	94
4			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
5			Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

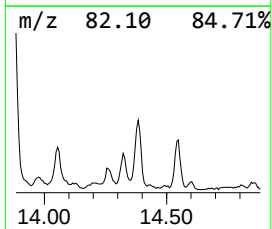
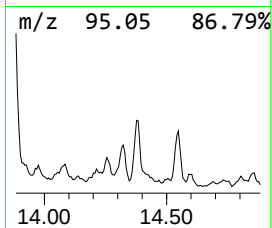
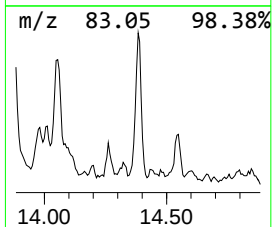
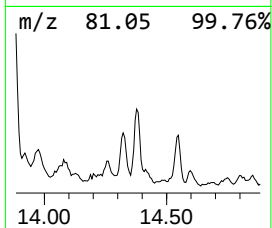
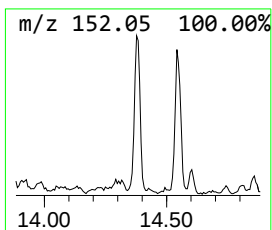
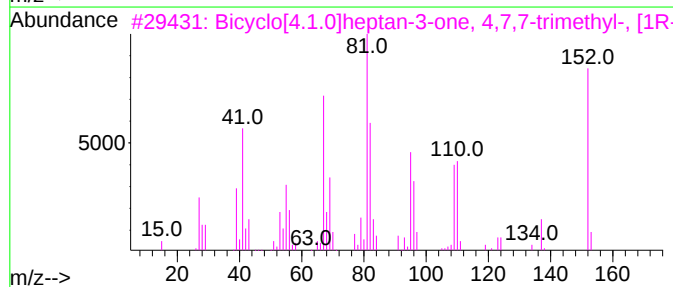
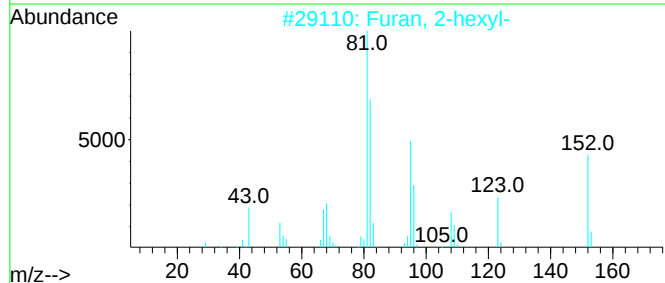
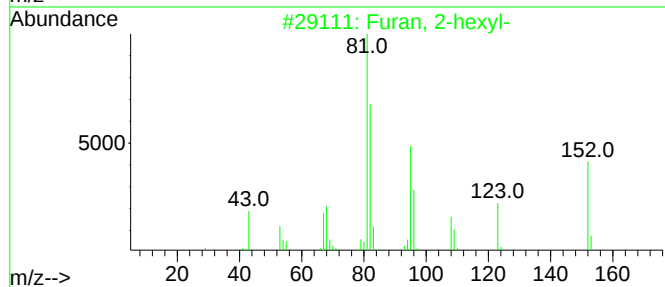
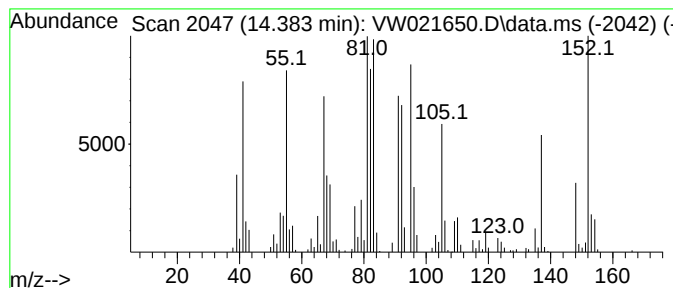
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Quant Title : SFAM01.0

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

Peak Number 39 Furan, 2-hexyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	10.43 ug/L	154649	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-hexyl-	152	C10H16O	003777-70-6	55
2			Furan, 2-hexyl-	152	C10H16O	003777-70-6	46
3			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	46
4			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	45
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

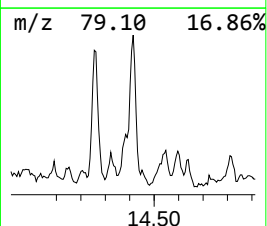
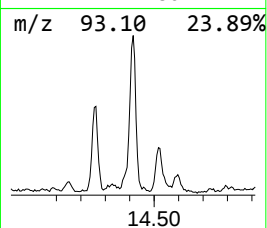
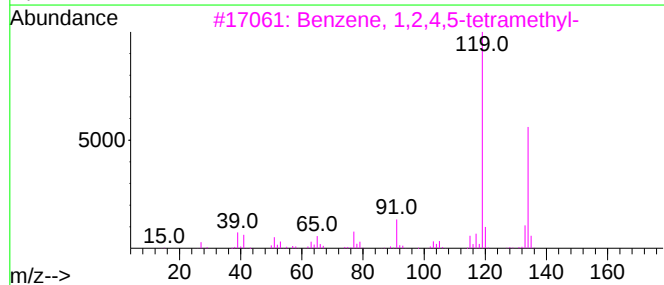
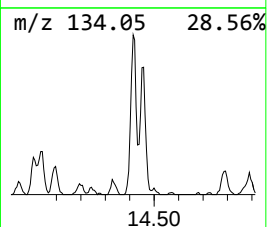
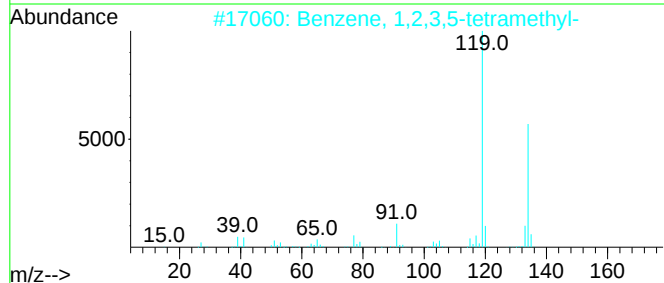
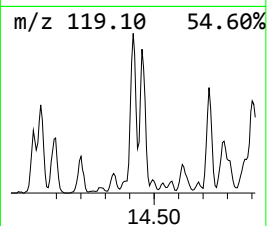
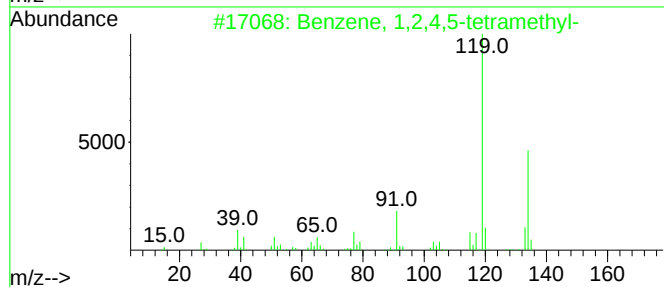
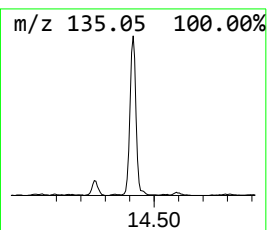
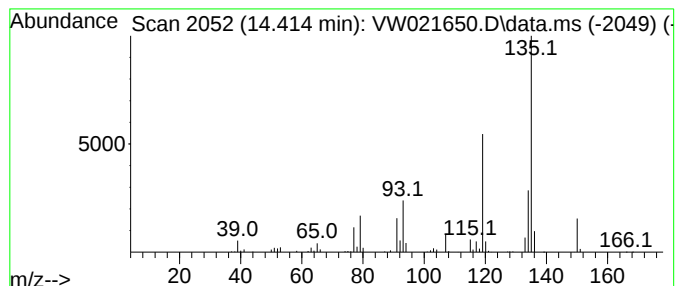
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	9.84 ug/L	145950	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	30
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

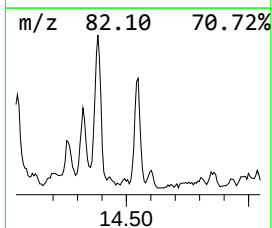
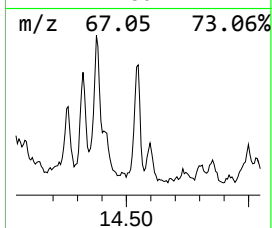
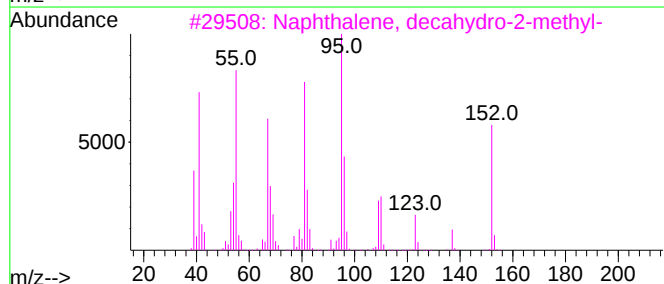
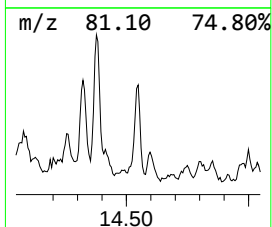
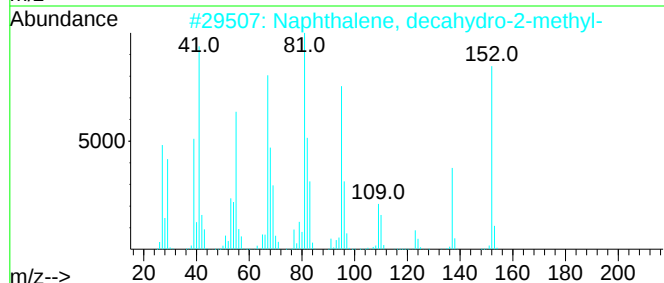
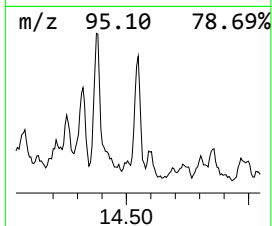
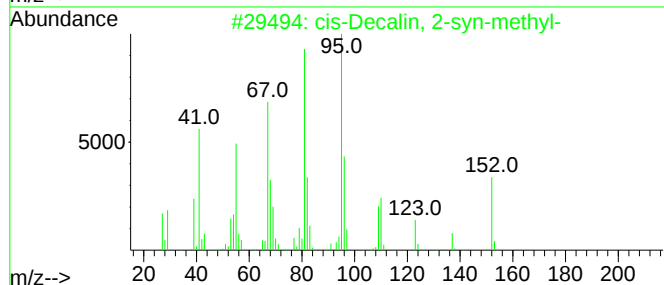
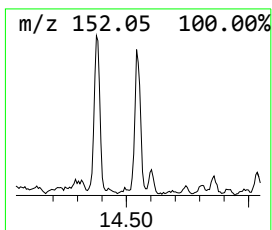
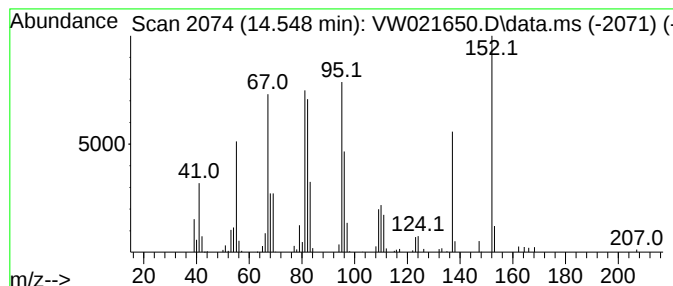
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Quant Title : SFAM01.0

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

Peak Number 41 cis-Decalin, 2-syn-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	4.55 ug/L	67468	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

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

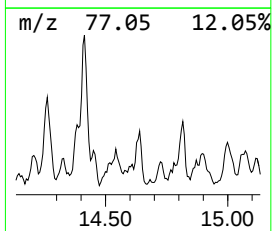
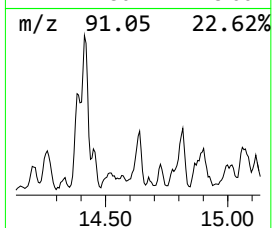
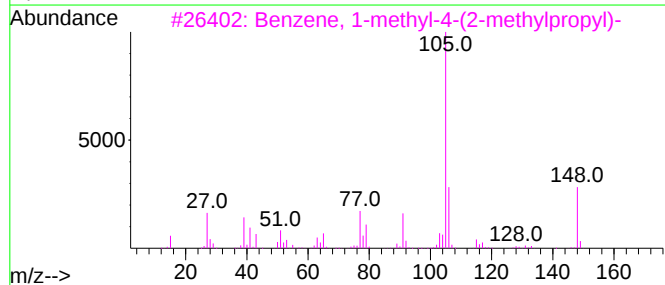
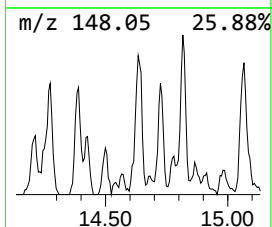
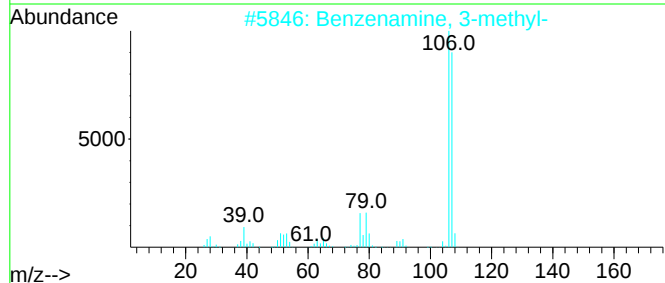
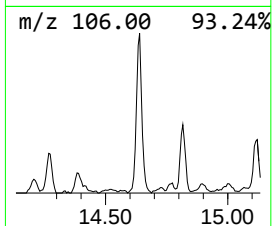
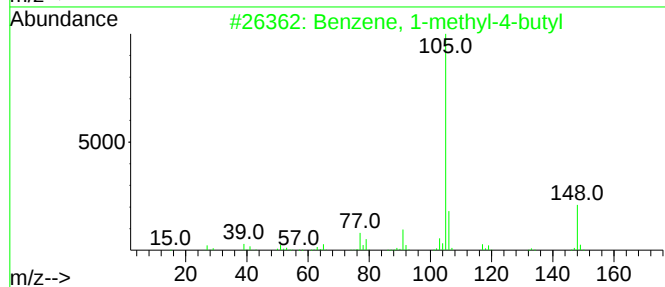
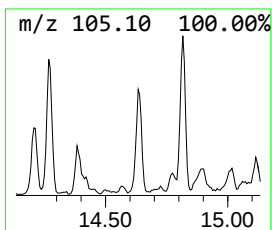
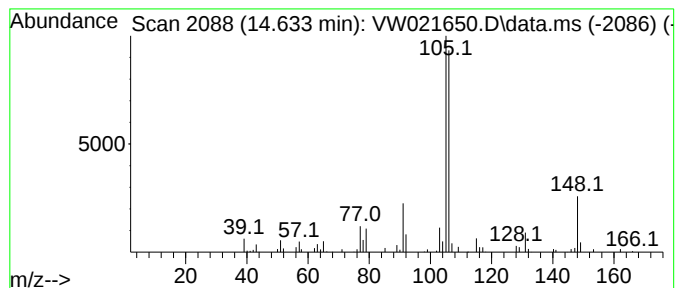
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TIC Integration Parameters: LSCINT.P

Peak Number 42 unknown-02

Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	2.69 ug/L	39918	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	43
2			Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	43
3			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
4			Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	35
5			Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

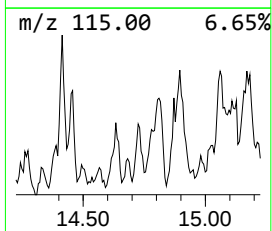
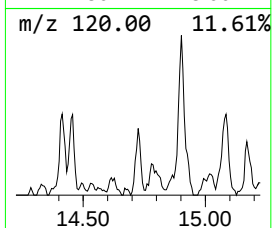
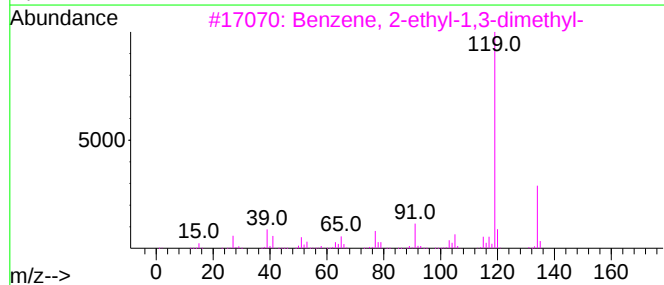
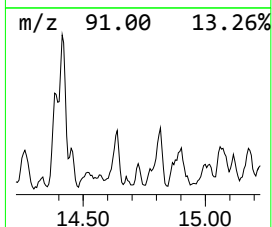
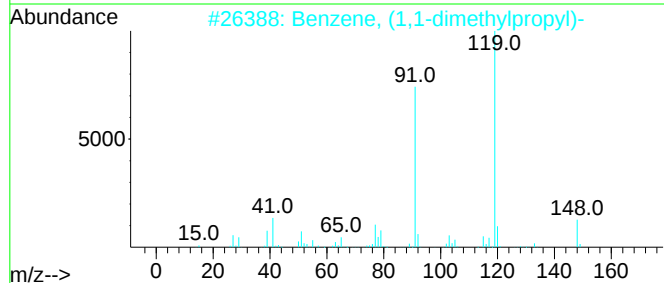
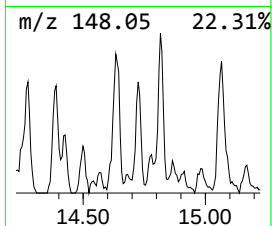
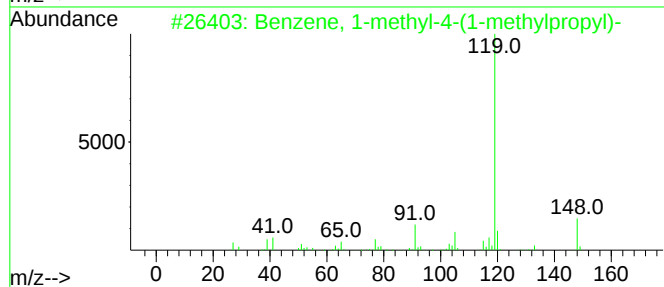
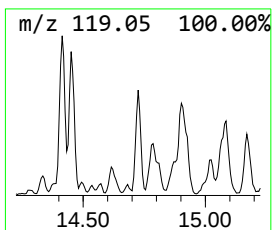
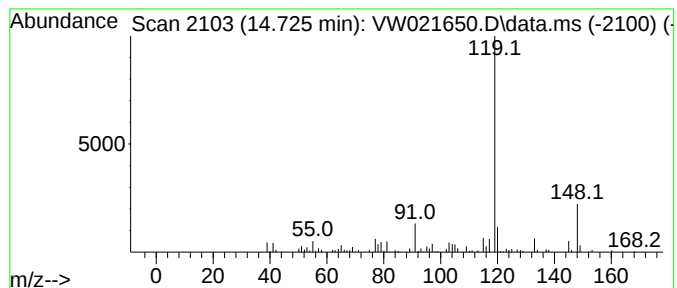
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, 1-methyl-4-(1-meth... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	2.27 ug/L	33698	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	68
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

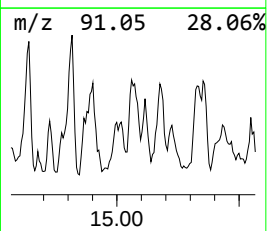
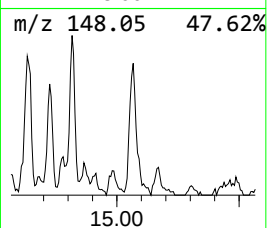
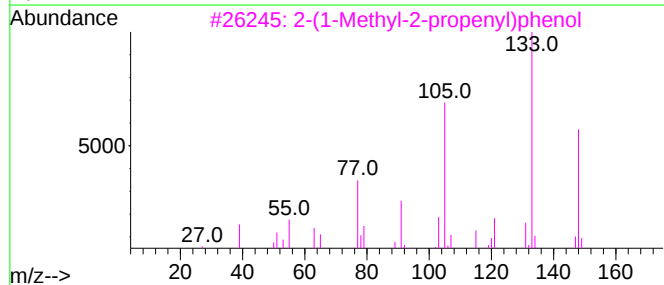
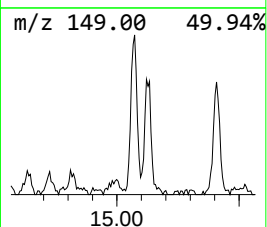
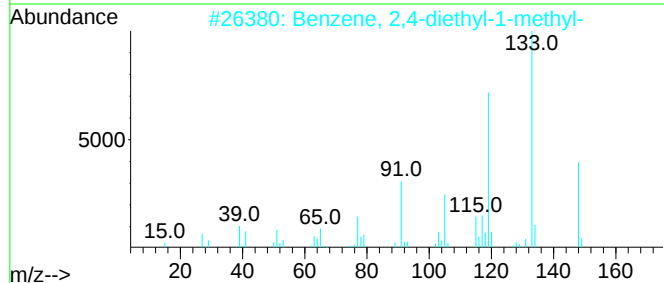
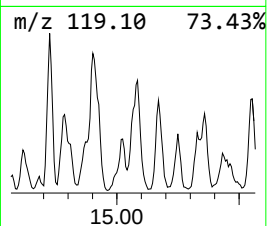
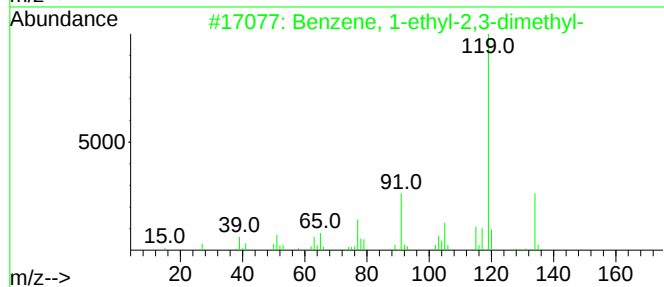
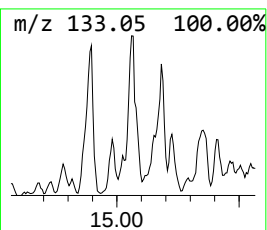
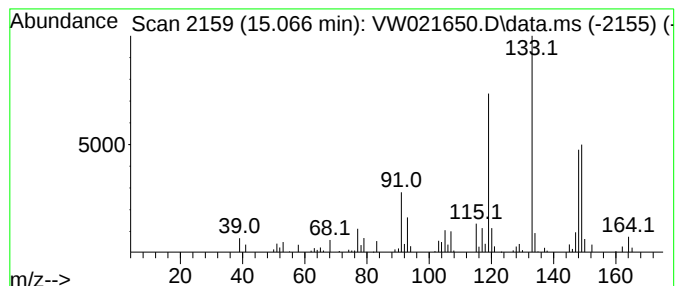
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Quant Title : SFAM01.0

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

Peak Number 44 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	2.85 ug/L	42298	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	74
2			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	74
3			2-(1-Methyl-2-propenyl)phenol	148	C10H12O	1000432-85-2	49
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	45
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

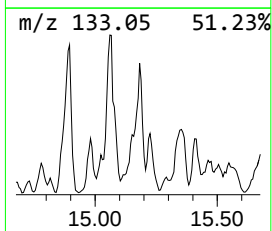
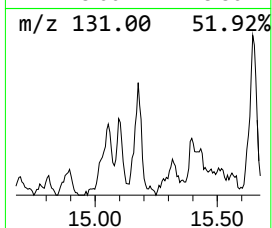
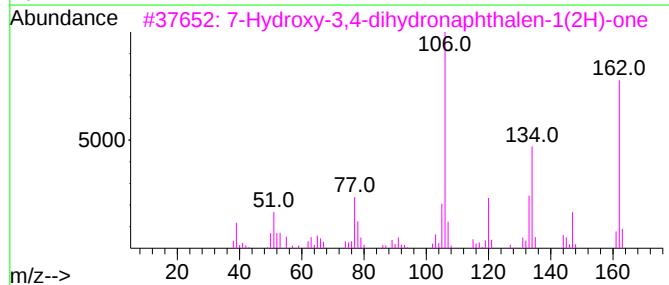
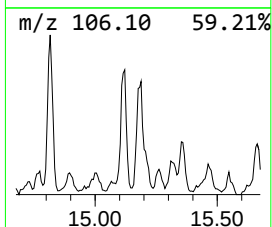
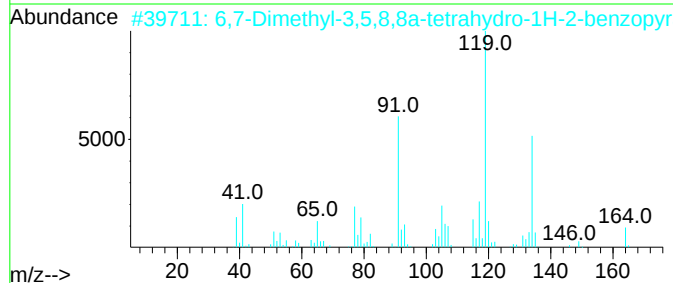
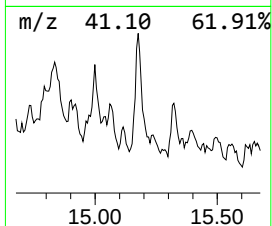
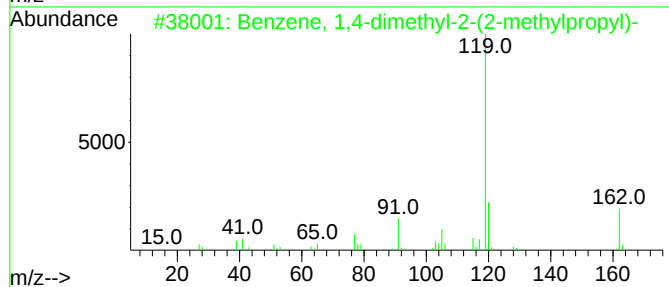
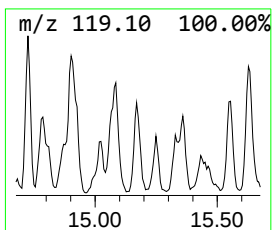
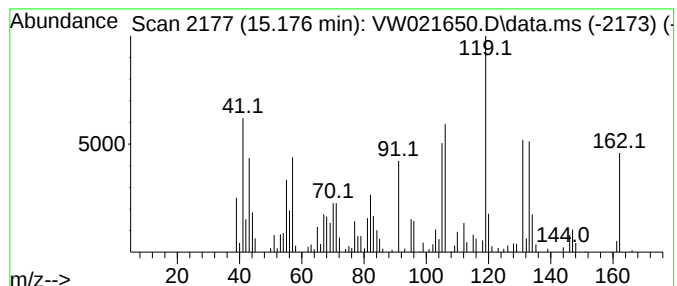
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Quant Title : SFAM01.0

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

Peak Number 45 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	4.70 ug/L	69737	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
2			6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	27
3			7-Hydroxy-3,4-dihydronaphthalen-...	162	C10H10O2	022009-38-7	22
4			Butyric acid, 2-phenyl-, 4-chlor...	274	C16H15ClO2	1000406-87-4	22
5			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

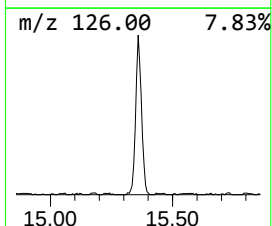
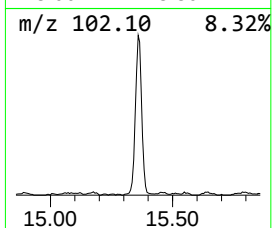
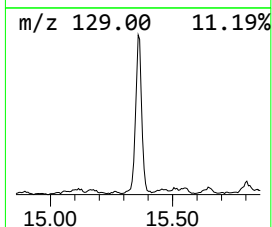
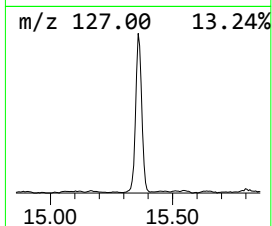
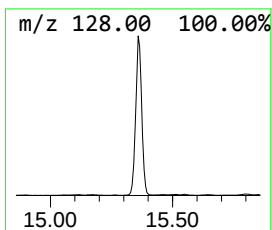
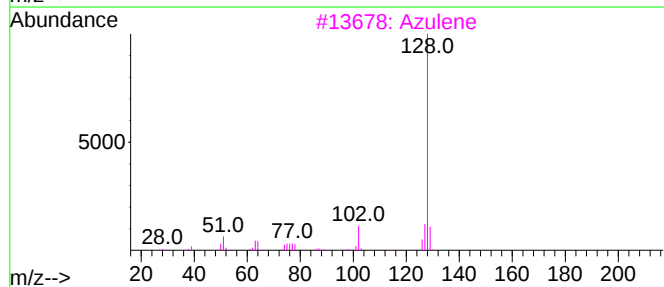
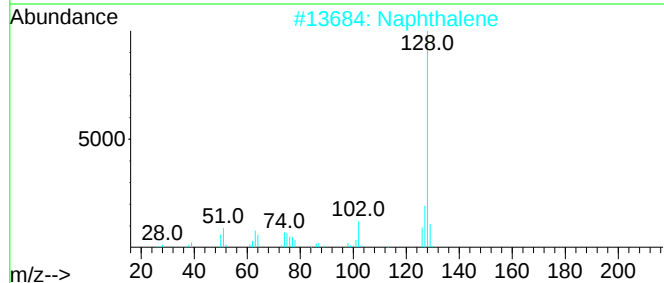
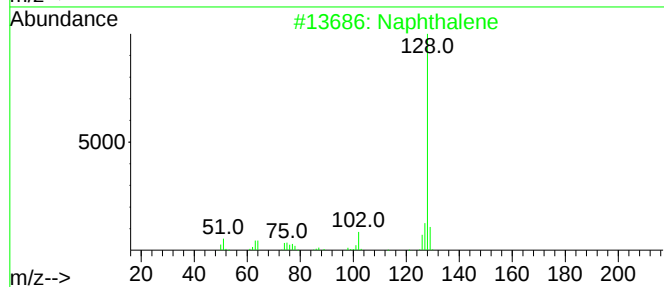
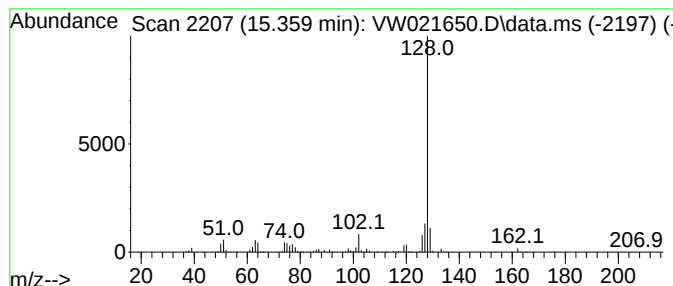
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Quant Title : SFAM01.0

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

Peak Number 46 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	38.70 ug/L	573769	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	94
2			Naphthalene	128	C10H8	000091-20-3	93
3			Azulene	128	C10H8	000275-51-4	90
4			Azulene	128	C10H8	000275-51-4	90
5			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

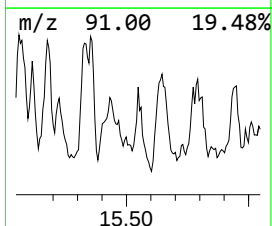
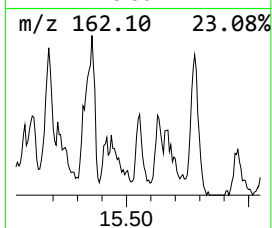
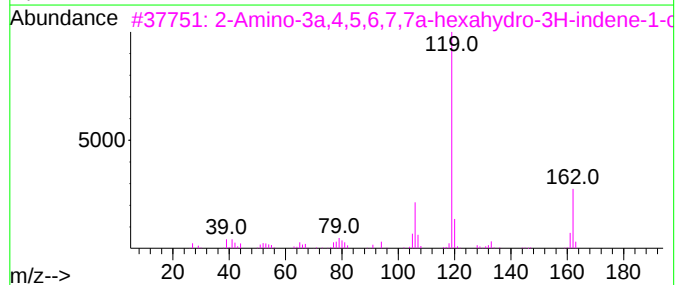
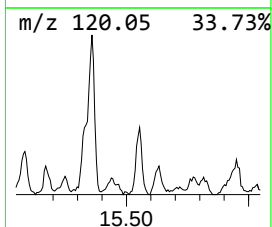
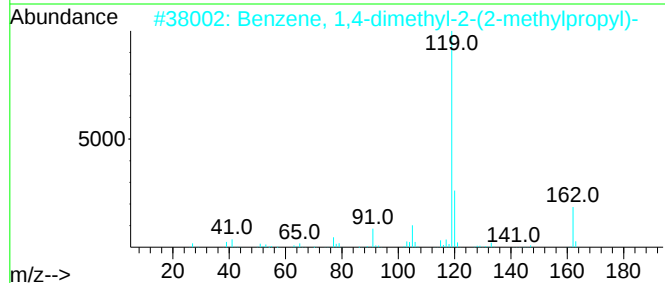
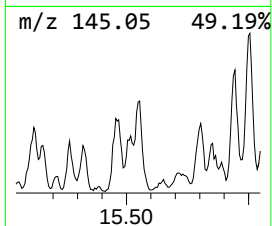
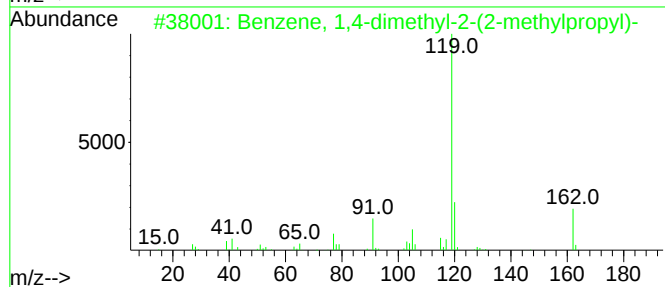
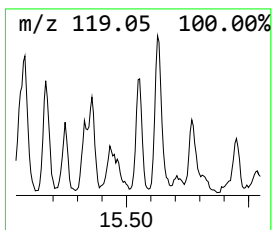
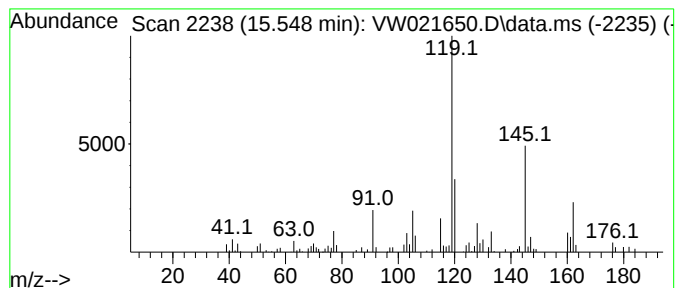
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Quant Title : SFAM01.0

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

Peak Number 47 unknown-03 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	3.91 ug/L	57902	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	47
2			Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	47
3			2-Amino-3a,4,5,6,7,7a-hexahydro-...	162	C10H14N2	1000185-29-8	46
4			Ether, 3-hydroxy-2-butyl 1-(p-to...	208	C13H20O2	1000149-41-9	43
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

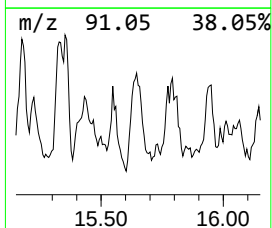
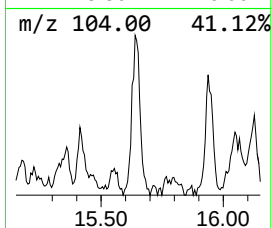
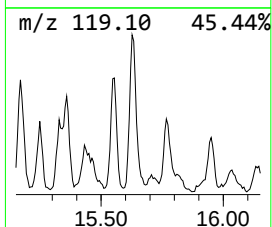
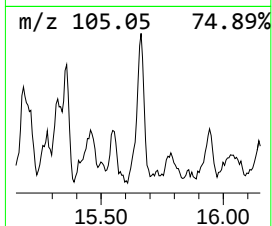
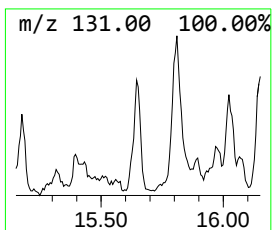
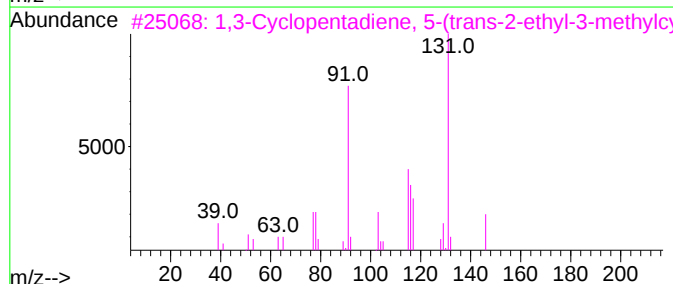
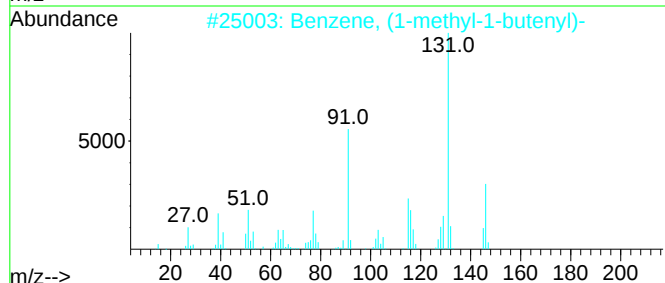
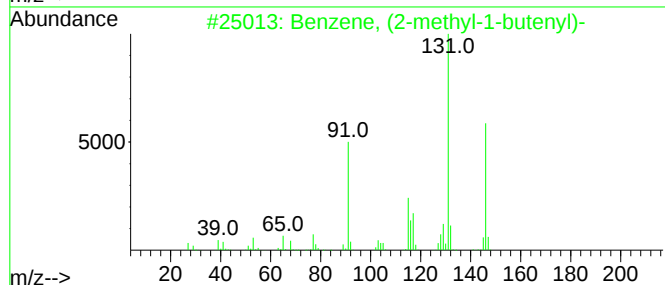
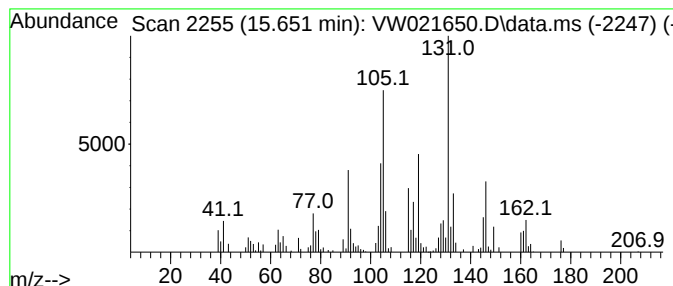
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Quant Title : SFAM01.0

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

Peak Number 48 Benzene, (2-methyl-1-butenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	5.82 ug/L	86283	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	59
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	51
3			1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	46
4			2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	46
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

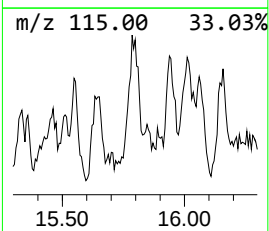
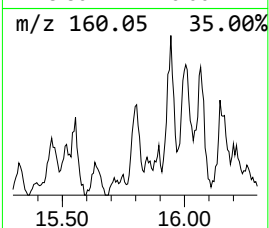
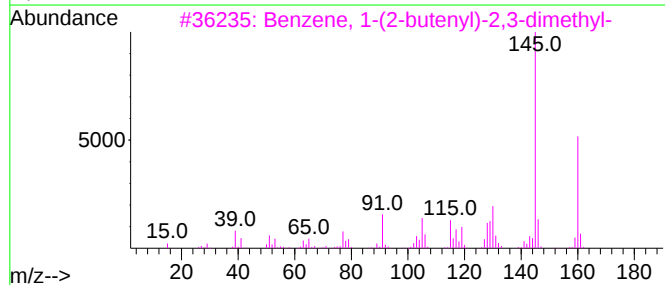
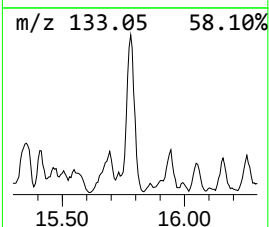
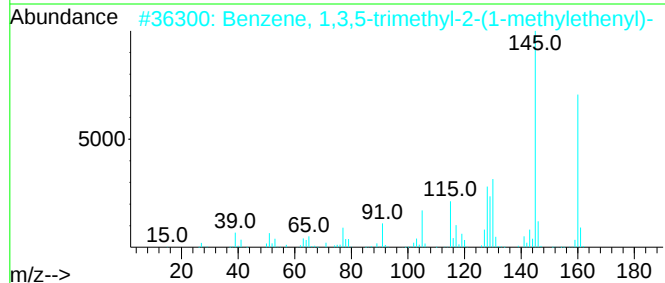
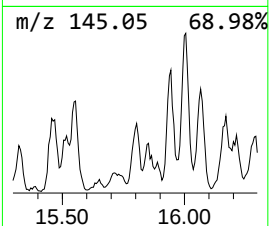
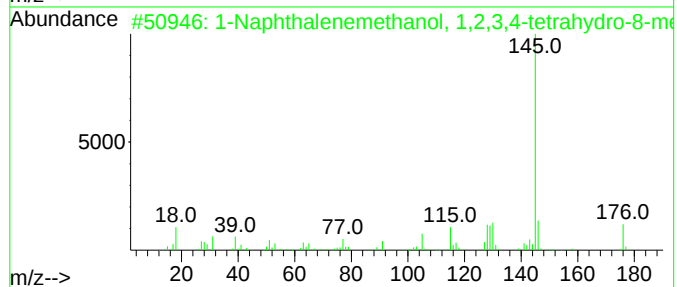
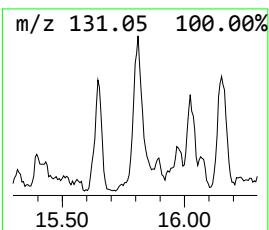
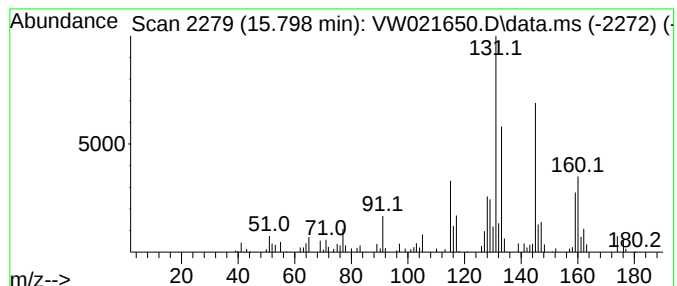
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Quant Title : SFAM01.0

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

Peak Number 49 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.798	4.95 ug/L	73356	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Naphthalenemethanol, 1,2,3,4-t...	176	C12H16O	036052-28-5	47
2			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38
3			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38
4			Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	38
5			Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

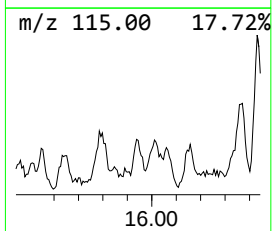
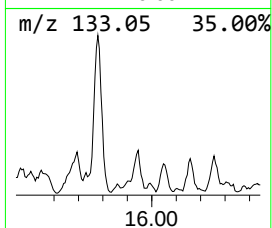
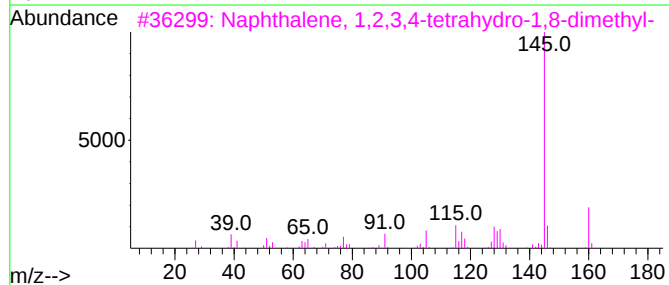
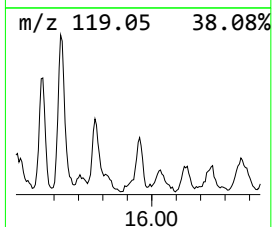
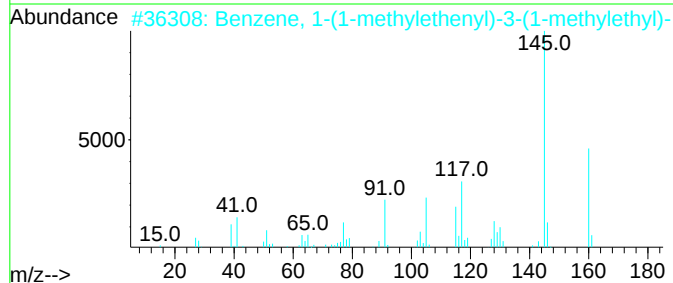
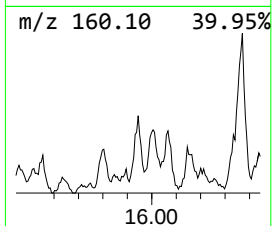
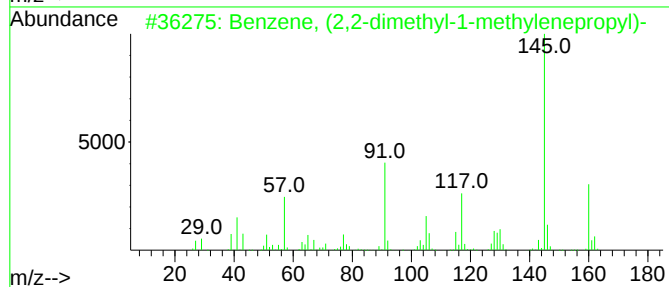
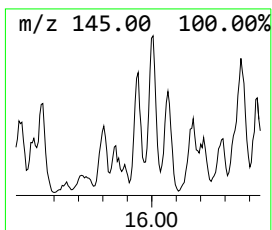
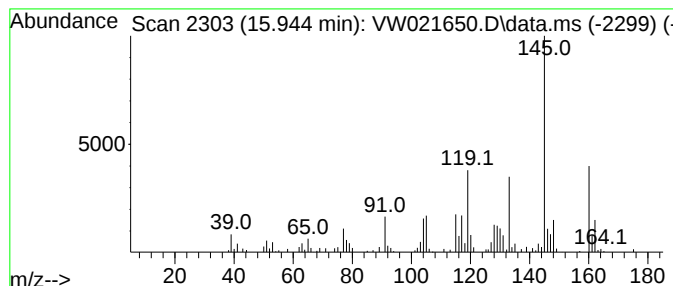
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Quant Title : SFAM01.0

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

Peak Number 50 Benzene, (2,2-dimethyl-1-me... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	3.23 ug/L	47902	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	86
2			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	83
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	64
4			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

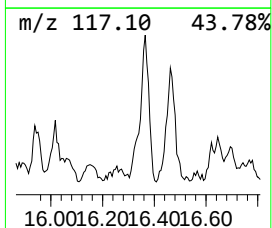
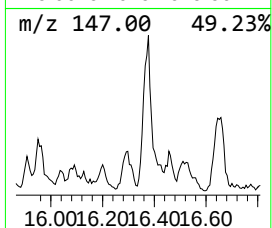
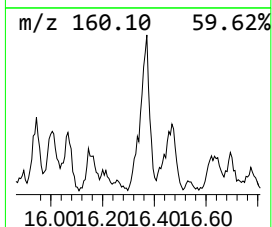
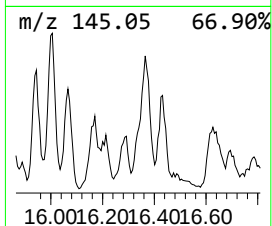
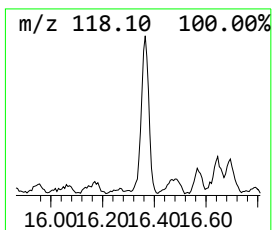
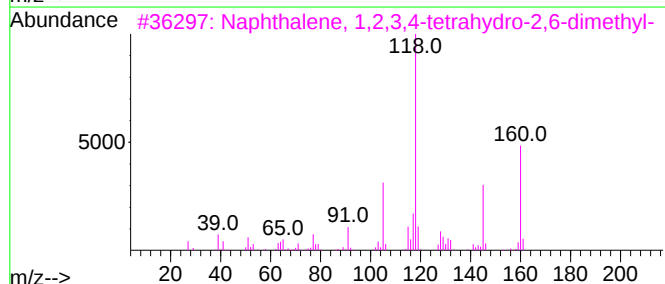
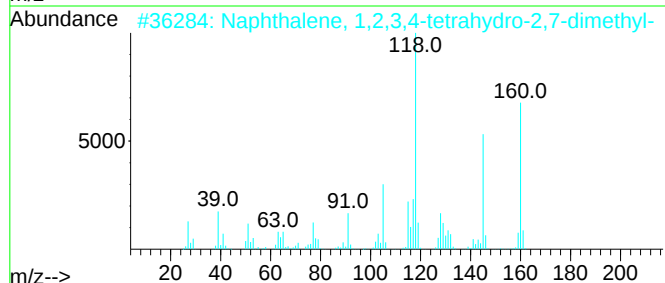
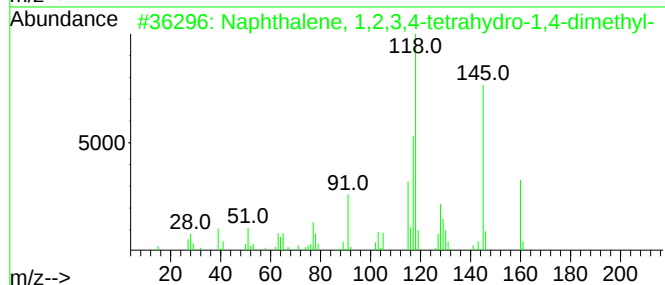
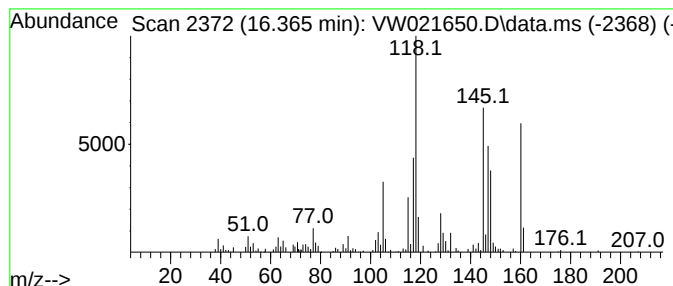
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Quant Title : SFAM01.0

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

Peak Number 51 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.365	6.86 ug/L	101729	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	76
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	64
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	53
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	49
5			4-Chloro-3-fluoroanisole	160	C7H6ClFO	000501-29-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021650.D
Acq On : 25 Dec 2021 16:57
Operator : SY/VA
Sample : M5154-16
Misc : 6.55g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL96

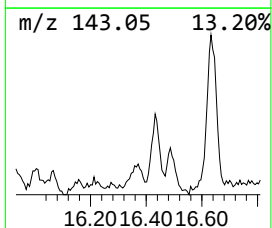
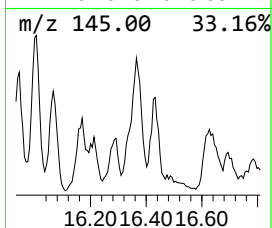
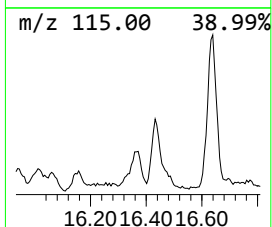
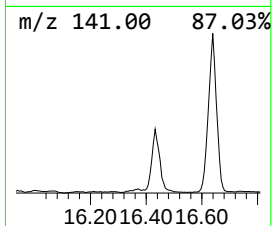
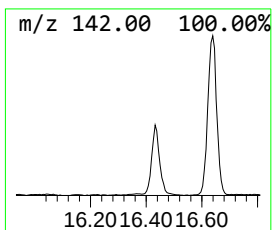
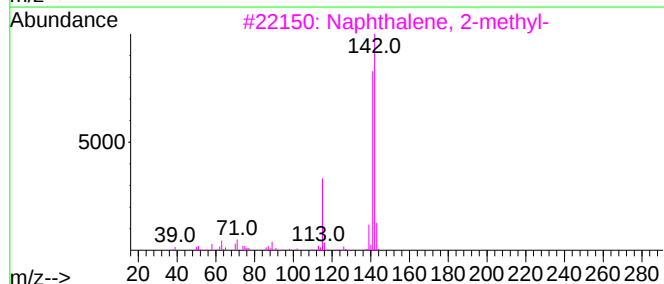
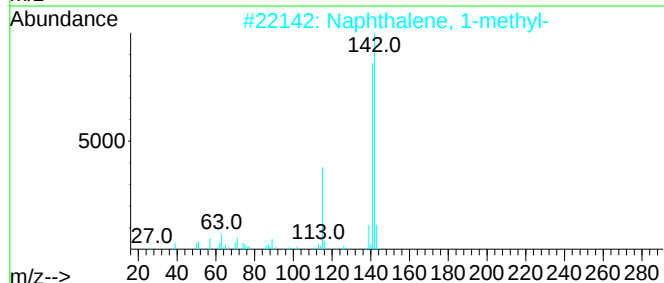
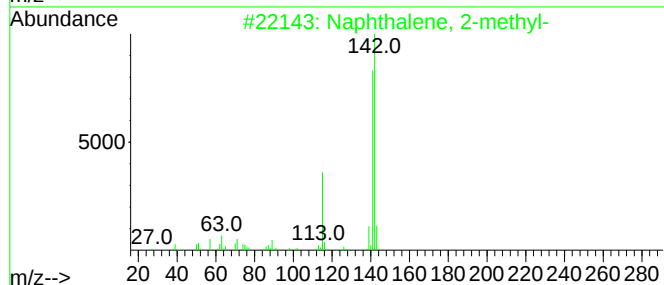
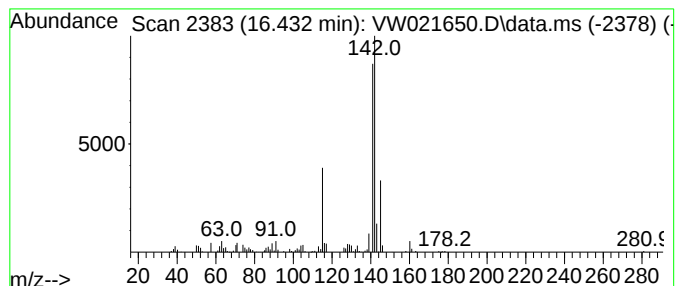
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Quant Title : SFAM01.0

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

Peak Number 52 Benzocycloheptatriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	10.07 ug/L	149320	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
5			Benzocycloheptatriene	142	C11H10	000264-09-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021650.D
 Acq On : 25 Dec 2021 16:57
 Operator : SY/VA
 Sample : M5154-16
 Misc : 6.55g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL96

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	2.3	ug/L	25830	1	8.848	278383	25.0
(DEL) Alkane: S...	8.476	2.2	ug/L	24095	1	8.848	278383	25.0
(DEL) Alkane: S...	9.329	1.5	ug/L	16180	1	8.848	278383	25.0
(DEL) Alkane: S...	9.384	2.3	ug/L	25241	1	8.848	278383	25.0
(DEL) Alkane: S...	9.756	1.8	ug/L	19602	1	8.848	278383	25.0
(DEL) Alkane: S...	9.896	3.1	ug/L	34758	1	8.848	278383	25.0
(DEL) Alkane: S...	9.988	2.0	ug/L	22276	1	8.848	278383	25.0
(DEL) Alkane: C...	10.768	1.3	ug/L	19383	2	11.628	375505	25.0
Butanoic acid, ...	10.847	1.8	ug/L	27628	2	11.628	375505	25.0
(DEL) Alkane: S...	11.030	1.5	ug/L	23051	2	11.628	375505	25.0
(DEL) Alkane: C...	11.110	2.7	ug/L	40483	2	11.628	375505	25.0
(DEL) Alkane: C...	11.183	2.5	ug/L	36995	2	11.628	375505	25.0
Pyrazol-4-amine...	11.232	3.3	ug/L	48977	2	11.628	375505	25.0
(DEL) Alkane: S...	11.335	2.4	ug/L	36339	2	11.628	375505	25.0
(DEL) Alkane: C...	11.378	1.4	ug/L	20534	2	11.628	375505	25.0
(DEL) Alkane: C...	11.433	7.3	ug/L	109937	2	11.628	375505	25.0
(DEL) Alkane: S...	11.506	2.6	ug/L	38394	2	11.628	375505	25.0
(DEL) Alkane: C...	11.762	5.0	ug/L	74453	2	11.628	375505	25.0
(DEL) Alkane: C...	11.811	6.0	ug/L	89447	2	11.628	375505	25.0
(DEL) Alkane: C...	11.872	16.8	ug/L	252138	2	11.628	375505	25.0
(DEL) Alkane: C...	11.914	7.4	ug/L	111543	2	11.628	375505	25.0
(DEL) Alkane: S...	12.061	4.2	ug/L	62755	2	11.628	375505	25.0
(DEL) Alkane: S...	12.134	29.6	ug/L	444110	2	11.628	375505	25.0
(DEL) Alkane: S...	12.250	10.2	ug/L	153113	2	11.628	375505	25.0
(DEL) Alkane: C...	12.305	5.7	ug/L	85283	2	11.628	375505	25.0
(DEL) Alkane: C...	12.384	12.7	ug/L	190379	2	11.628	375505	25.0
(DEL) Alkane: C...	12.780	15.5	ug/L	229368	3	13.560	370659	25.0
(DEL) Alkane: C...	12.859	9.7	ug/L	143971	3	13.560	370659	25.0
(DEL) Alkane: S...	13.079	5.8	ug/L	86378	3	13.560	370659	25.0
unknown-01	13.121	5.9	ug/L	87301	3	13.560	370659	25.0
(DEL) Alkane: S...	13.164	14.8	ug/L	219401	3	13.560	370659	25.0
(DEL) Alkane: C...	13.378	2.3	ug/L	34731	3	13.560	370659	25.0
(DEL) Alkane: S...	13.975	2.9	ug/L	43452	3	13.560	370659	25.0
Benzene, 1,2-di...	14.201	2.8	ug/L	41785	3	13.560	370659	25.0
Adamantane	14.262	8.9	ug/L	132356	3	13.560	370659	25.0
Naphthalene, de...	14.322	5.5	ug/L	82258	3	13.560	370659	25.0
Furan, 2-hexyl-	14.383	10.4	ug/L	154649	3	13.560	370659	25.0
Benzene, 1,2,4,...	14.414	9.8	ug/L	145950	3	13.560	370659	25.0
cis-Decalin, 2-...	14.548	4.5	ug/L	67468	3	13.560	370659	25.0
unknown-02	14.633	2.7	ug/L	39918	3	13.560	370659	25.0
Benzene, 1-meth...	14.725	2.3	ug/L	33698	3	13.560	370659	25.0
Benzene, 1-ethy...	15.066	2.9	ug/L	42298	3	13.560	370659	25.0
Benzene, 1,4-di...	15.176	4.7	ug/L	69737	3	13.560	370659	25.0
Azulene	15.359	38.7	ug/L	573769	3	13.560	370659	25.0
unknown-03	15.548	3.9	ug/L	57902	3	13.560	370659	25.0
Benzene, (2-met...	15.651	5.8	ug/L	86283	3	13.560	370659	25.0
unknown-04	15.798	5.0	ug/L	73356	3	13.560	370659	25.0
Benzene, (2,2-d...	15.944	3.2	ug/L	47902	3	13.560	370659	25.0
Naphthalene, 1,...	16.365	6.9	ug/L	101729	3	13.560	370659	25.0
Benzocyclohepta...	16.432	10.1	ug/L	149320	3	13.560	370659	25.0