

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021641.D
 Acq On : 25 Dec 2021 13:20
 Operator : SY/VA
 Sample : M5174-03RE
 Misc : 5.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBC14RE

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: VW021641.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	68	73	84	rVB	32456	55398	18.21%	1.684%
2	2.495	93	97	112	rVB	5264	11285	3.71%	0.343%
3	2.879	153	160	171	rBV	18318	37668	12.38%	1.145%
4	3.025	178	184	194	rBV3	3719	8302	2.73%	0.252%
5	3.385	236	243	249	rBV4	1183	2700	0.89%	0.082%
6	4.019	336	347	358	rBV2	32314	92566	30.43%	2.814%
7	4.135	360	366	378	rVB	1829	5116	1.68%	0.156%
8	4.379	398	406	418	rVB	2137	6301	2.07%	0.192%
9	4.909	483	493	494	rBV2	2076	3393	1.12%	0.103%
10	5.434	573	579	586	rBV3	557	1610	0.53%	0.049%
11	5.781	629	636	646	rBB3	850	2312	0.76%	0.070%
12	5.940	656	662	669	rVV3	972	2434	0.80%	0.074%
13	6.909	812	821	825	rBV3	654	1850	0.61%	0.056%
14	6.982	825	833	841	rVB4	2183	5766	1.90%	0.175%
15	7.080	841	849	863	rBV	8504	25047	8.23%	0.761%
16	7.263	873	879	884	rBV3	750	1526	0.50%	0.046%
17	7.647	928	942	955	rBB	55394	135796	44.64%	4.128%
18	7.958	982	993	1001	rBV5	6028	16681	5.48%	0.507%
19	8.159	1020	1026	1032	rVV4	1569	3050	1.00%	0.093%
20	8.275	1032	1045	1061	rVV3	94517	304179	100.00%	9.247%
21	8.433	1066	1071	1078	rVV5	2620	7755	2.55%	0.236%
22	8.512	1078	1084	1087	rVV5	2242	5111	1.68%	0.155%
23	8.573	1089	1094	1102	rVV5	4039	9262	3.04%	0.282%
24	8.695	1108	1114	1122	rBB4	1382	3289	1.08%	0.100%
25	8.841	1129	1138	1147	rBV	99429	194828	64.05%	5.923%
26	9.274	1201	1209	1215	rBV	70413	144877	47.63%	4.404%
27	9.335	1215	1219	1227	rVV	25410	49615	16.31%	1.508%
28	9.408	1227	1231	1237	rVB2	1005	1955	0.64%	0.059%
29	9.518	1244	1249	1254	rVB2	1376	2252	0.74%	0.068%
30	9.610	1259	1264	1268	rVB2	1332	2185	0.72%	0.066%
31	9.750	1282	1287	1292	rBB2	1780	2972	0.98%	0.090%
32	9.957	1316	1321	1326	rBV3	1697	3185	1.05%	0.097%
33	10.036	1327	1334	1340	rBV	33656	59464	19.55%	1.808%
34	10.323	1374	1381	1387	rBV	127339	223587	73.51%	6.797%
35	10.390	1387	1392	1398	rVB	16189	29517	9.70%	0.897%
36	10.500	1403	1410	1416	rVB7	5620	12654	4.16%	0.385%

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

37	10.579	1416	1423	1430	rBV	19864	35507	11.67%	1.079%
38	10.664	1432	1437	1442	rVB2	6007	10401	3.42%	0.316%
39	10.762	1448	1453	1462	rVB4	2947	5712	1.88%	0.174%
40	10.859	1463	1469	1474	rBV4	4070	7533	2.48%	0.229%
41	10.926	1474	1480	1493	rVB	37574	64042	21.05%	1.947%
42	11.073	1501	1504	1507	rVV2	2091	3194	1.05%	0.097%
43	11.103	1507	1509	1512	rVV3	1536	2064	0.68%	0.063%
44	11.176	1512	1521	1525	rVV2	9837	19387	6.37%	0.589%
45	11.231	1525	1530	1535	rVV	7433	13157	4.33%	0.400%
46	11.280	1535	1538	1542	rVV3	1316	1733	0.57%	0.053%
47	11.335	1542	1547	1552	rVV2	2641	4559	1.50%	0.139%
48	11.433	1552	1563	1569	rVB7	3549	10274	3.38%	0.312%
49	11.512	1571	1576	1581	rBV3	2357	4067	1.34%	0.124%
50	11.628	1588	1595	1605	rBV	104147	178461	58.67%	5.425%
51	11.731	1605	1612	1621	rBV2	15429	30339	9.97%	0.922%
52	11.835	1621	1629	1634	rBV	43453	85270	28.03%	2.592%
53	11.975	1648	1652	1656	rBV6	678	1337	0.44%	0.041%
54	12.042	1658	1663	1671	rVB6	2624	5221	1.72%	0.159%
55	12.164	1671	1683	1691	rBV	44147	92368	30.37%	2.808%
56	12.304	1701	1706	1707	rBV3	3291	4965	1.63%	0.151%
57	12.341	1707	1712	1717	rVV3	8915	19572	6.43%	0.595%
58	12.463	1728	1732	1737	rVB	7081	11569	3.80%	0.352%
59	12.560	1746	1748	1752	rVB3	4037	5095	1.68%	0.155%
60	12.609	1752	1756	1760	rBV4	2856	4369	1.44%	0.133%
61	12.688	1764	1769	1776	rVB	48017	80585	26.49%	2.450%
62	12.786	1779	1785	1792	rVB3	9739	27481	9.03%	0.835%
63	12.865	1792	1798	1802	rBV	31688	55910	18.38%	1.700%
64	12.938	1805	1810	1816	rVB	65995	116414	38.27%	3.539%
65	13.103	1829	1837	1843	rBV	22138	42901	14.10%	1.304%
66	13.164	1843	1847	1855	rBV5	7263	15379	5.06%	0.468%
67	13.249	1855	1861	1867	rBV	111202	164931	54.22%	5.014%
68	13.377	1878	1882	1887	rVB2	5798	9520	3.13%	0.289%
69	13.438	1887	1892	1896	rVB2	15890	24981	8.21%	0.759%
70	13.493	1896	1901	1906	rVB3	6979	11080	3.64%	0.337%
71	13.560	1906	1912	1913	rBV	64782	99879	32.84%	3.036%
72	13.749	1939	1943	1945	rBV2	11767	15384	5.06%	0.468%
73	13.786	1945	1949	1954	rVB	23526	35497	11.67%	1.079%
74	13.853	1954	1960	1969	rVB2	54236	120927	39.76%	3.676%
75	13.944	1972	1975	1979	rVB	6068	8373	2.75%	0.255%
76	14.005	1981	1985	1988	rBV	12408	19425	6.39%	0.591%

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 Title : SFAM01.0

77	14.091	1996	1999	2004	rVB	16347	23996	7.89%	0.729%
78	14.200	2012	2017	2022	rBV2	23599	36813	12.10%	1.119%
79	14.255	2022	2026	2033	rVB5	9022	18137	5.96%	0.551%
80	14.334	2034	2039	2043	rBV2	13214	21789	7.16%	0.662%
81	14.383	2044	2047	2049	rVV2	6801	10357	3.40%	0.315%
82	14.414	2049	2052	2055	rVV3	14350	23360	7.68%	0.710%
83	14.450	2055	2058	2063	rVV	17472	25521	8.39%	0.776%
84	14.499	2063	2066	2069	rVV	6480	9235	3.04%	0.281%
85	14.536	2069	2072	2080	rVB5	6526	14081	4.63%	0.428%
86	14.639	2086	2089	2093	rVB3	3072	4018	1.32%	0.122%
87	14.718	2099	2102	2108	rVB3	11270	17601	5.79%	0.535%
88	14.786	2108	2113	2123	rBV3	23511	54852	18.03%	1.668%
89	14.956	2137	2141	2145	rBV5	3034	5042	1.66%	0.153%
90	15.060	2154	2158	2162	rBV6	4248	8133	2.67%	0.247%
91	15.170	2171	2176	2184	rVB4	5742	13228	4.35%	0.402%
92	15.316	2195	2200	2203	rBV3	4009	6427	2.11%	0.195%
93	15.359	2203	2207	2214	rVB	8371	15104	4.97%	0.459%
94	15.474	2222	2226	2231	rBV3	1898	4880	1.60%	0.148%
95	15.548	2235	2238	2247	rVB5	5217	9511	3.13%	0.289%
96	15.724	2263	2267	2272	rBV6	1121	2237	0.74%	0.068%
97	15.804	2275	2280	2285	rVV7	1591	3089	1.02%	0.094%
98	16.432	2377	2383	2388	rVV3	3304	7478	2.46%	0.227%
99	16.486	2388	2392	2399	rVB7	1980	3619	1.19%	0.110%
100	16.639	2412	2417	2425	rVB6	2769	6568	2.16%	0.200%

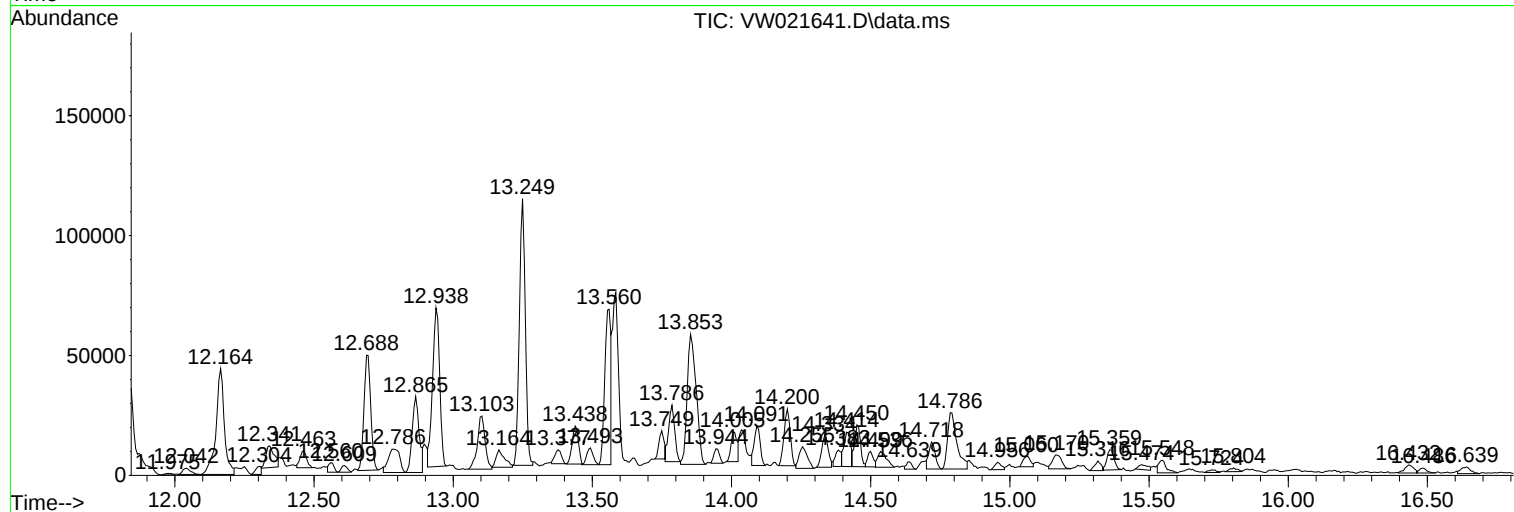
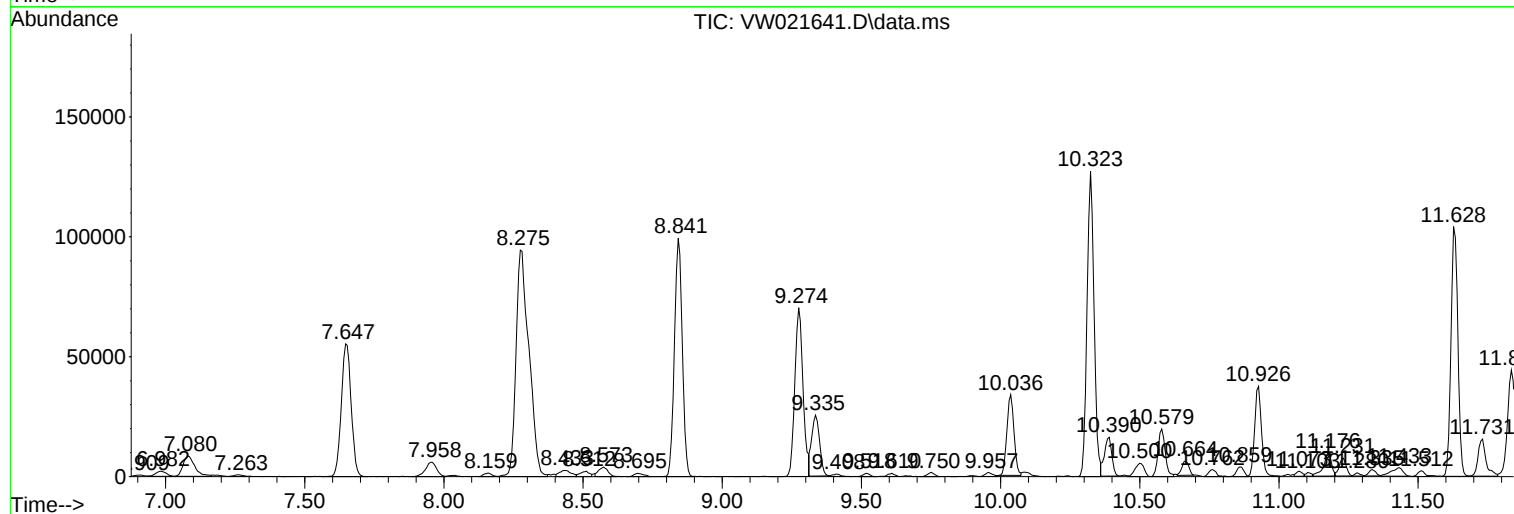
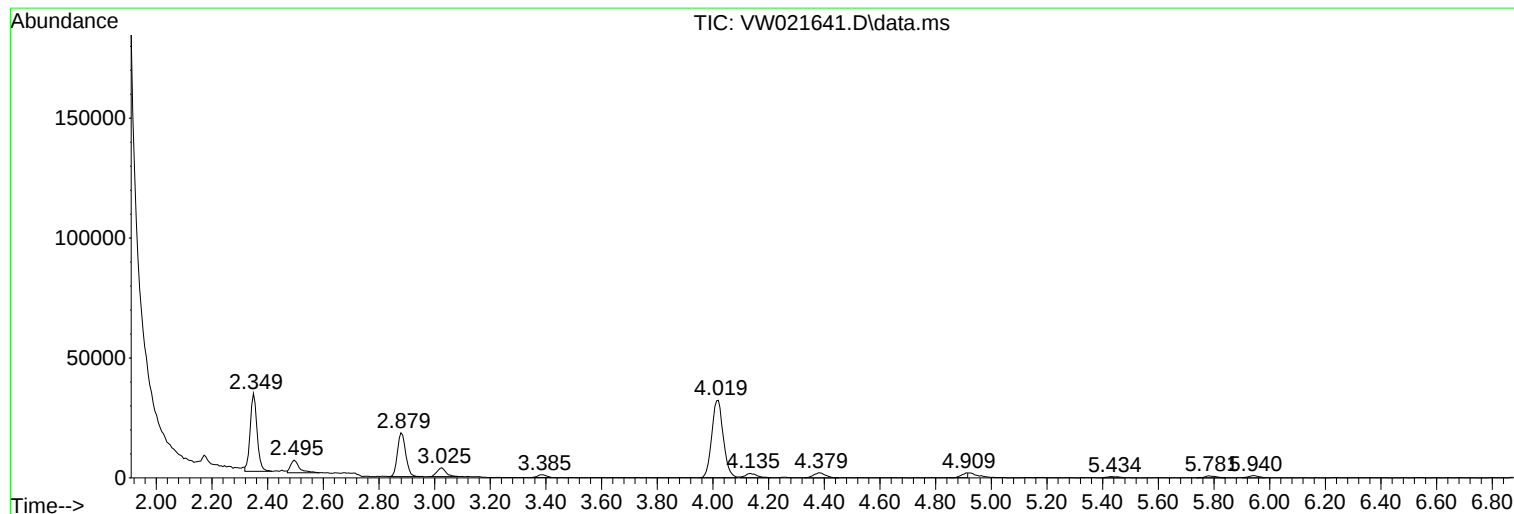
Sum of corrected areas: 3289427

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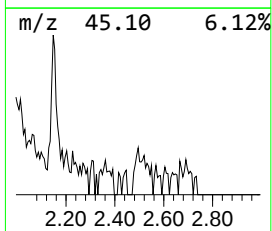
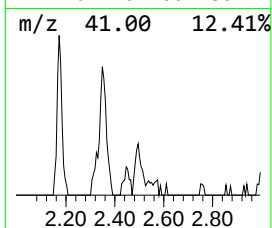
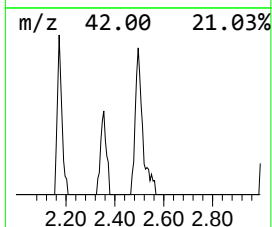
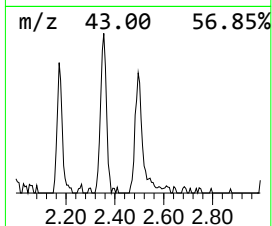
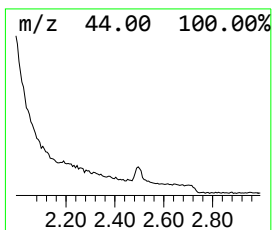
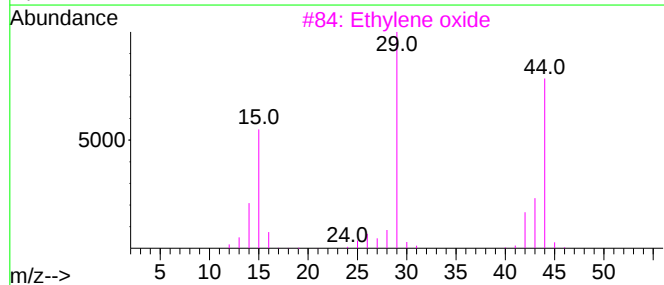
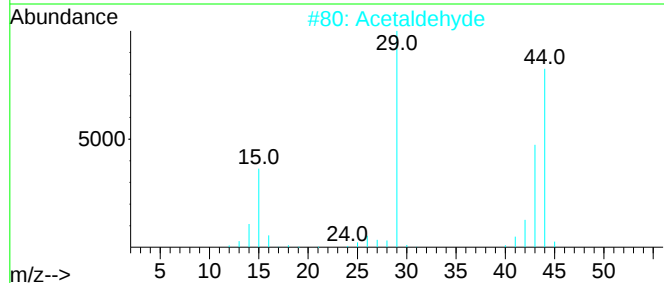
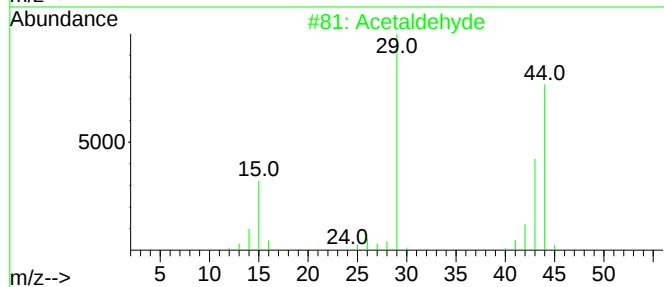
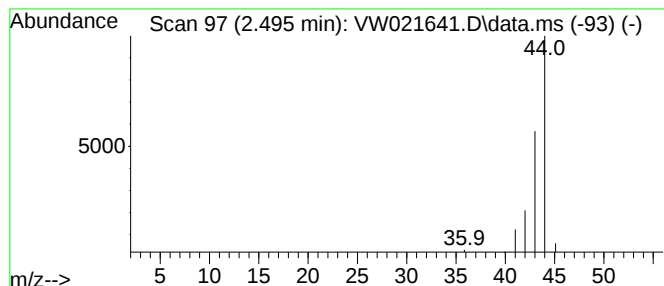
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Acetaldehyde Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	1.45 ug/L	11285	1,4-Difluorobenzene	8.841

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			Ethylene oxide	44	C2H4O	000075-21-8	5
4			Ethylene oxide	44	C2H4O	000075-21-8	5
5			Propane	44	C3H8	000074-98-6	4



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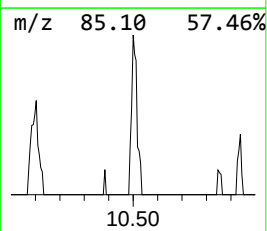
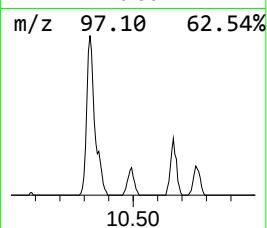
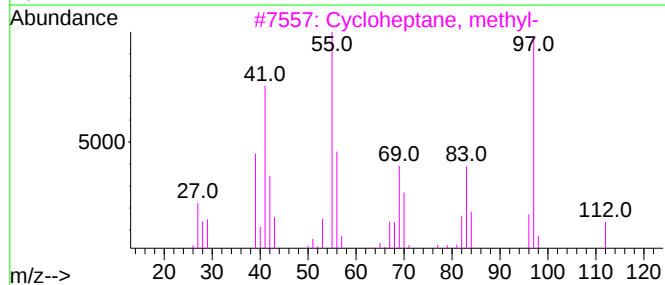
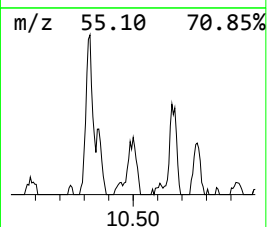
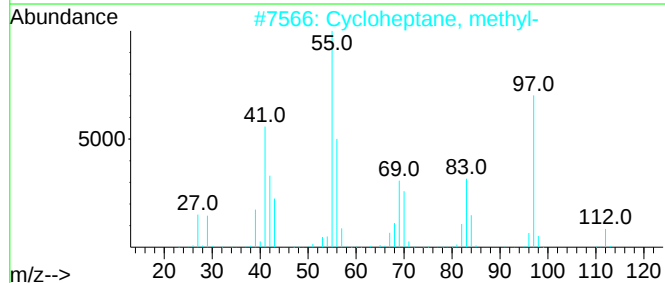
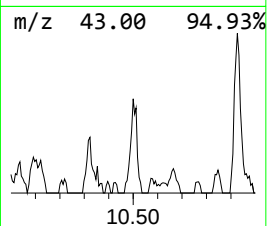
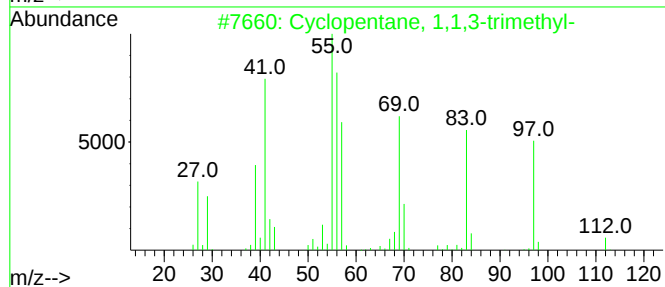
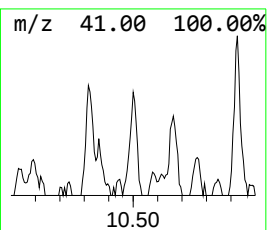
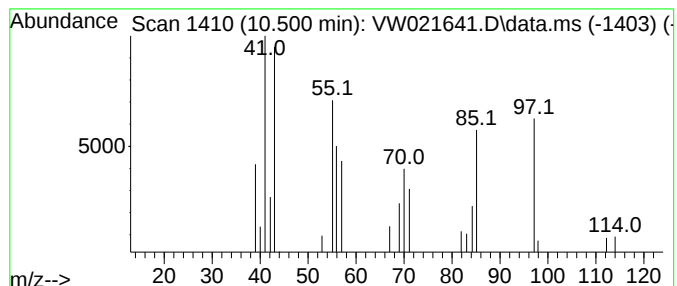
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic10.500 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	1.77 ug/L	12654	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	43
2			Cycloheptane, methyl-	112	C8H16	004126-78-7	38
3			Cycloheptane, methyl-	112	C8H16	004126-78-7	30
4			Octane	114	C8H18	000111-65-9	30
5			2-Octene	112	C8H16	000111-67-1	27



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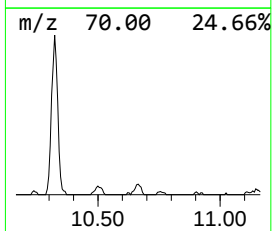
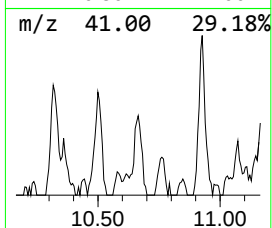
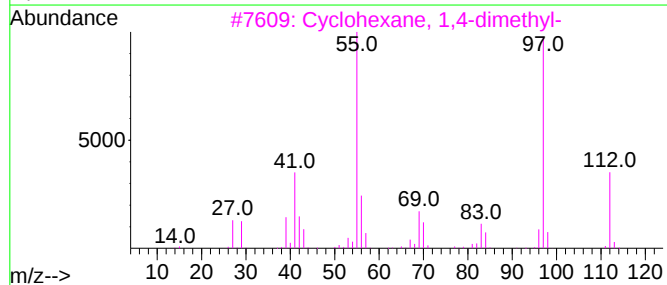
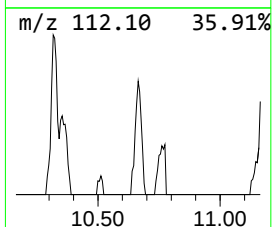
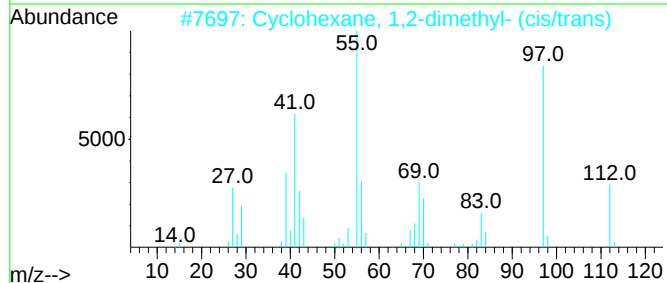
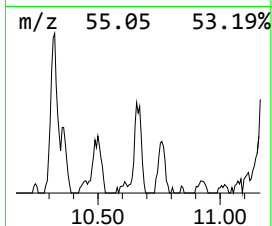
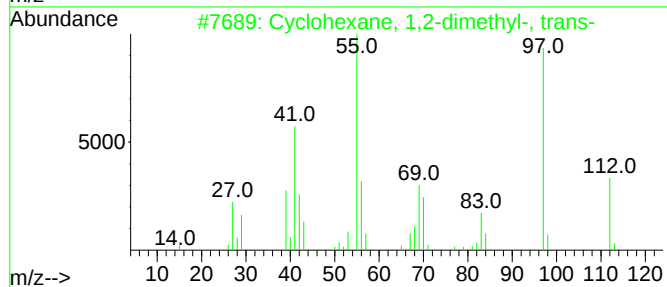
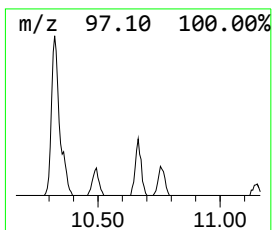
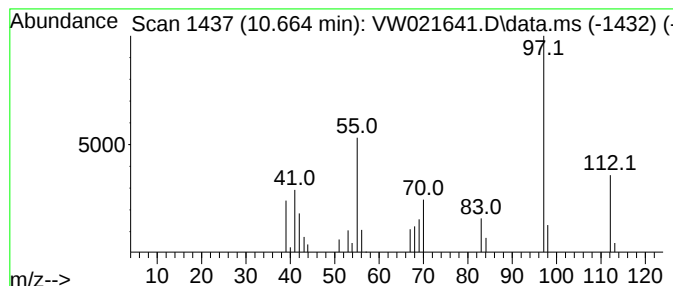
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic10.664 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	1.46 ug/L	10401	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	86
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

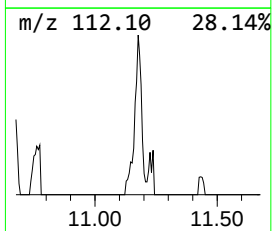
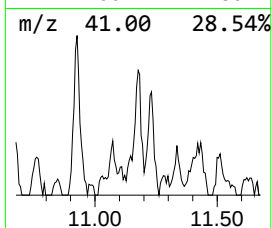
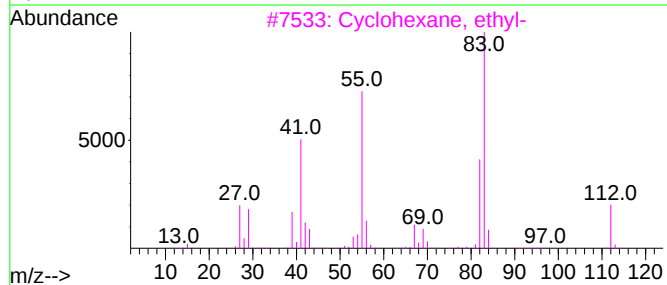
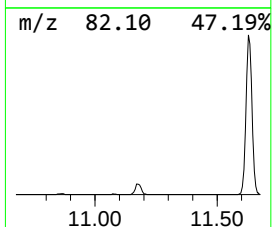
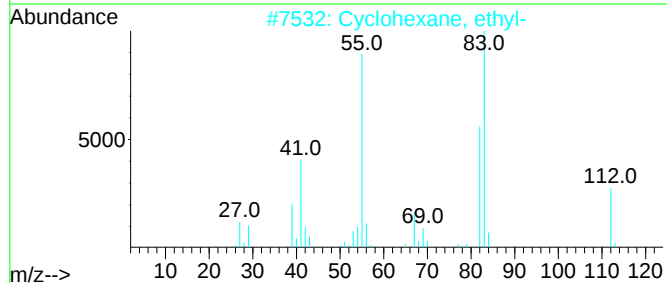
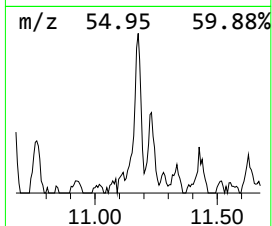
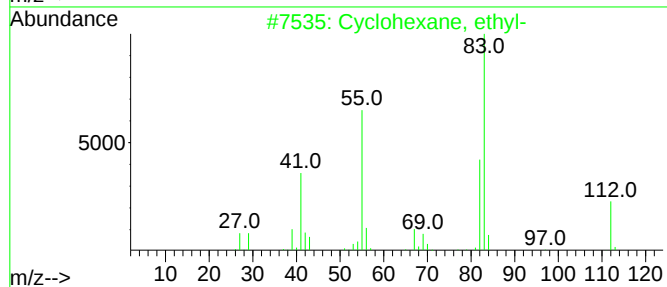
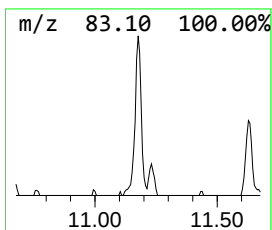
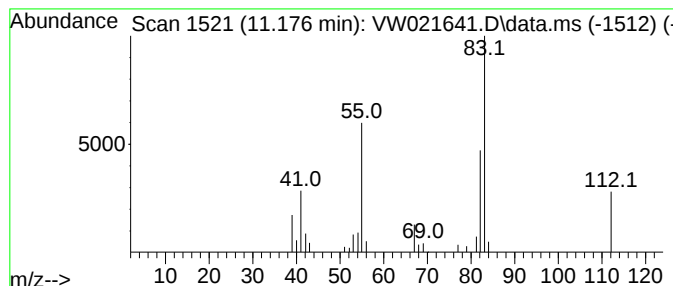
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.177 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	2.72 ug/L	19387	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	56
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

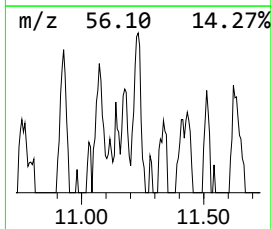
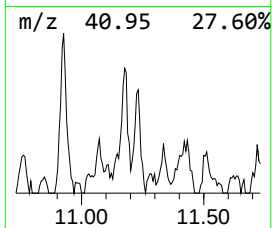
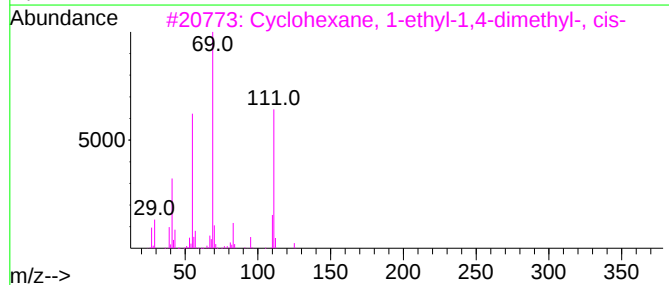
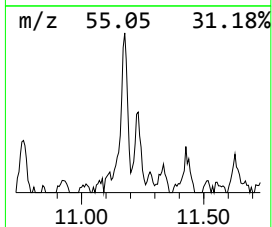
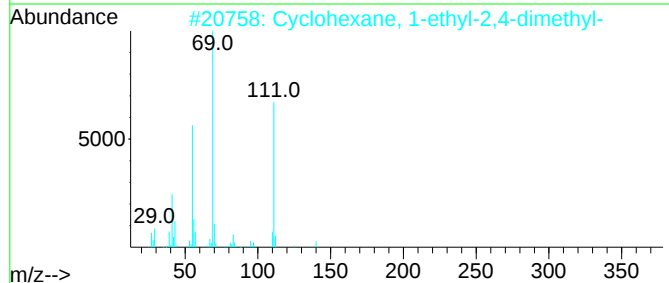
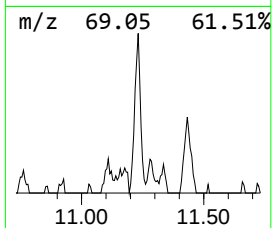
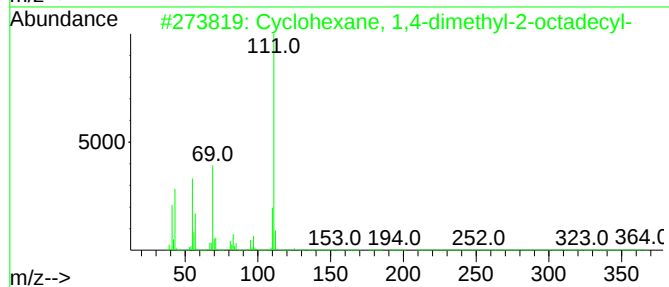
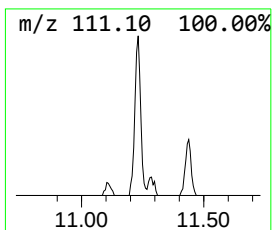
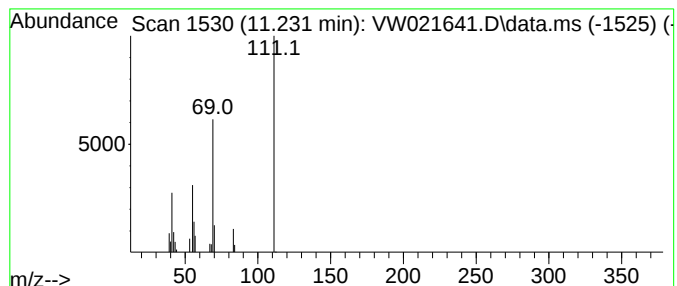
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.231 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	1.84 ug/L	13157	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	78
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
3			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	56
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5			Cyclooctane, butyl-	168	C12H24	016538-93-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

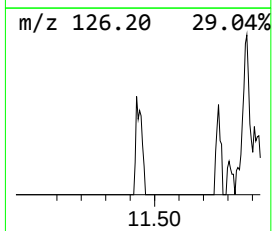
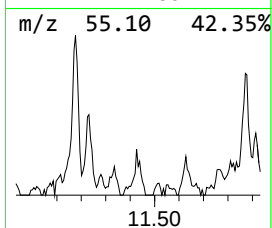
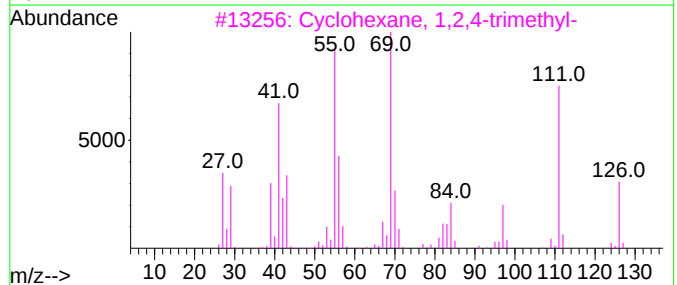
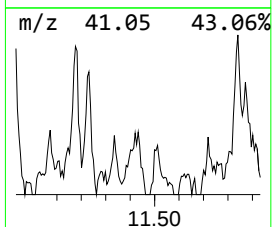
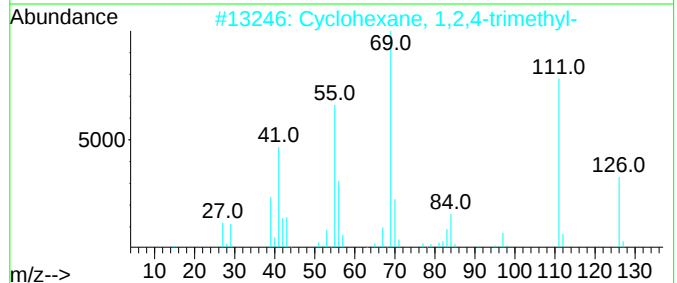
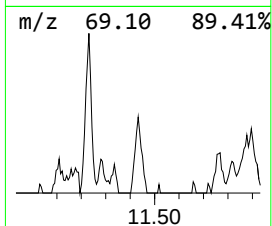
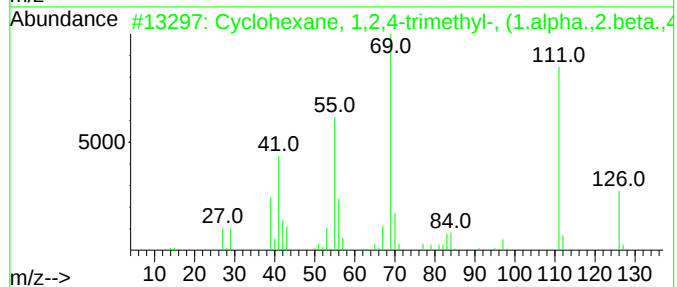
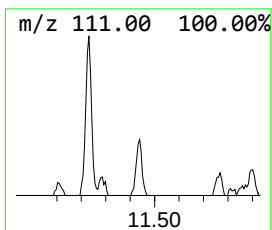
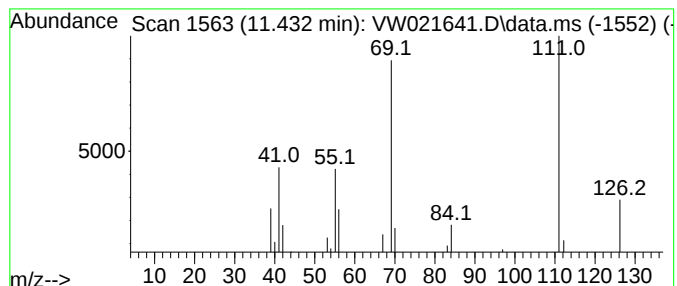
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.432 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	1.44 ug/L	10274	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

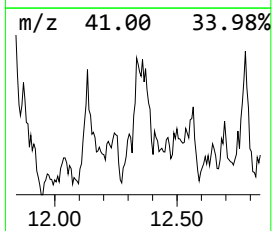
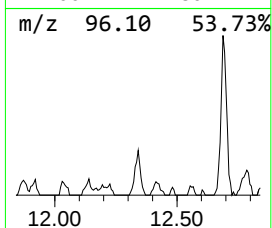
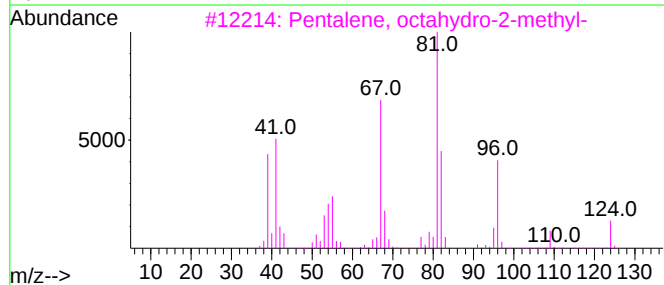
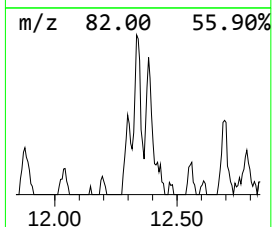
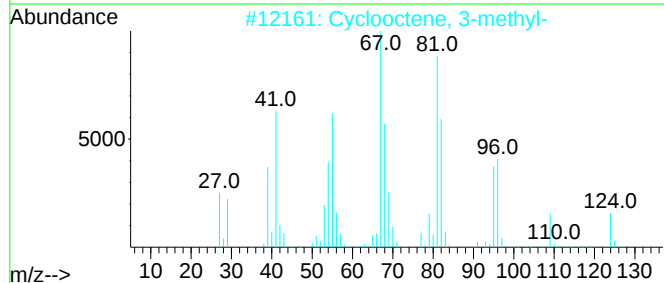
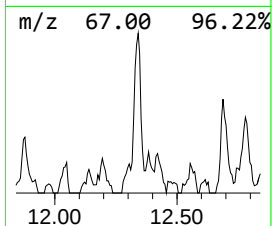
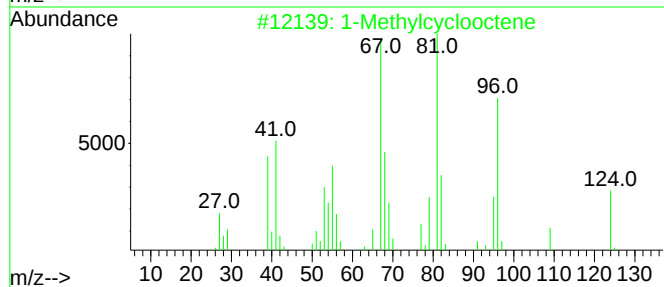
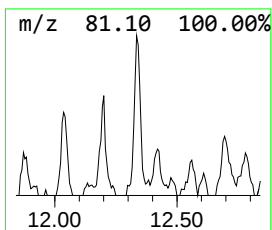
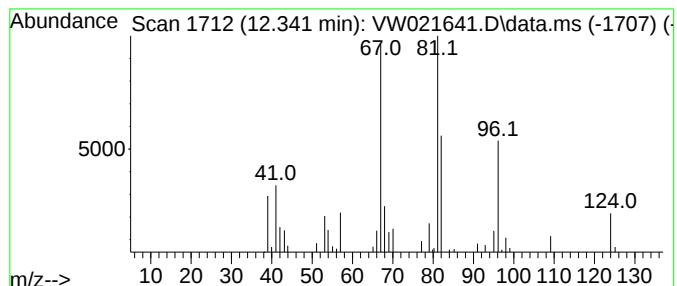
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Quant Title : SFAM01.0

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

Peak Number 8 1-Methylcyclooctene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	2.74 ug/L	19572	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methylcyclooctene	124	C9H16	000933-11-9	90
2			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	87
3			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	70
4			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
5			Cyclohexane, methylene-	96	C7H12	001192-37-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

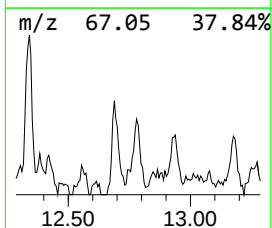
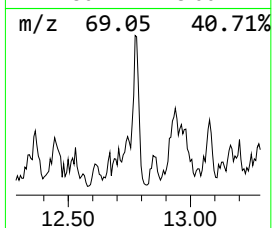
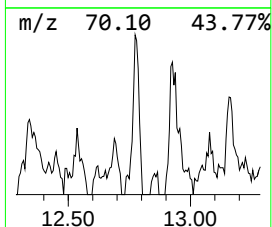
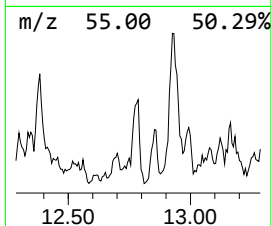
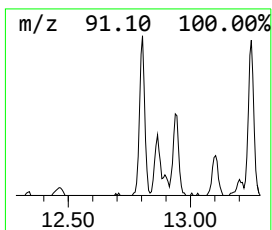
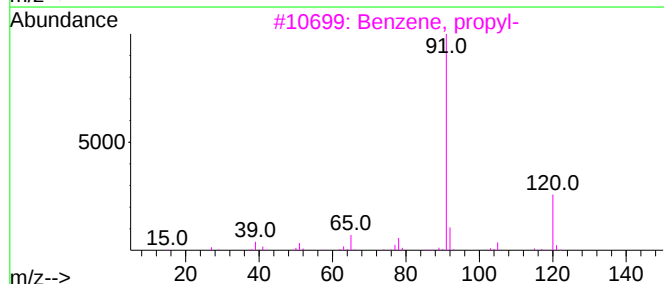
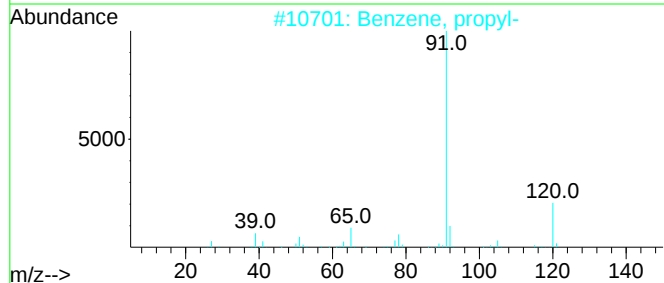
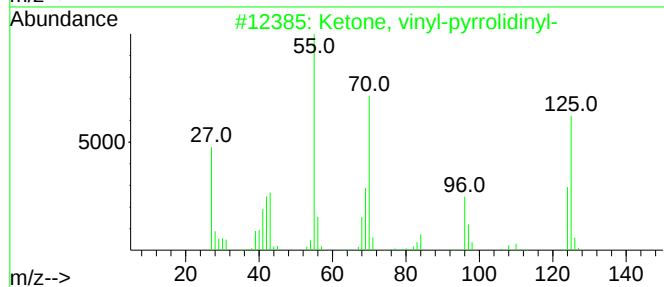
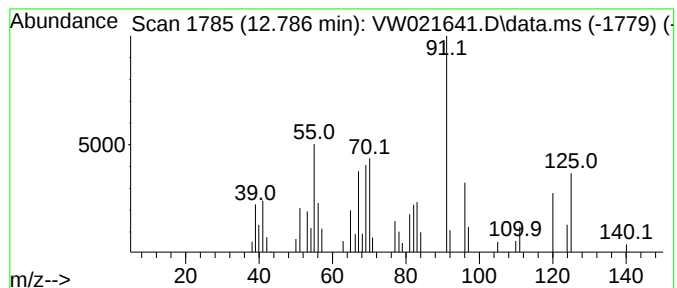
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Quant Title : SFAM01.0

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

Peak Number 9 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	6.88 ug/L	27481	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	43
2			Benzene, propyl-	120	C9H12	000103-65-1	18
3			Benzene, propyl-	120	C9H12	000103-65-1	18
4			Benzene, propyl-	120	C9H12	000103-65-1	18
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	16



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

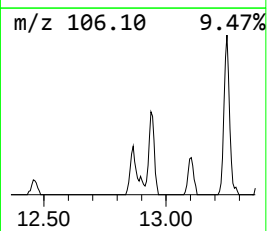
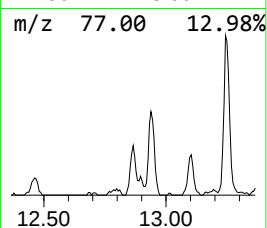
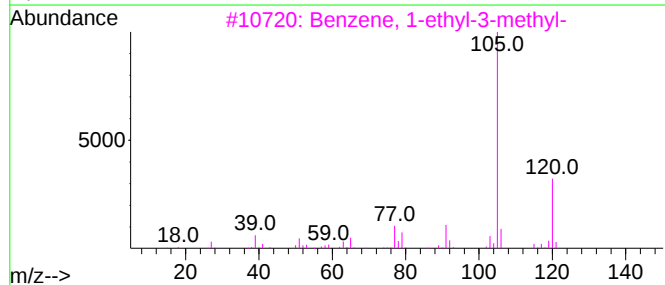
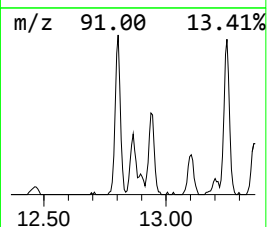
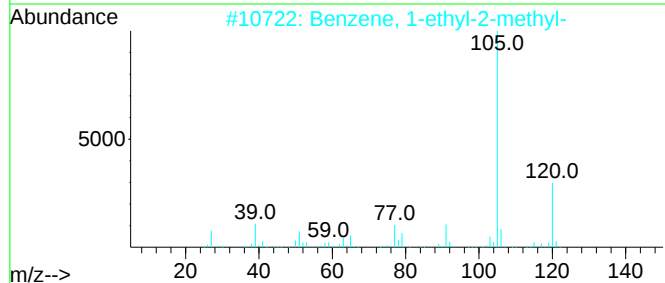
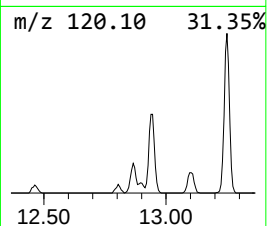
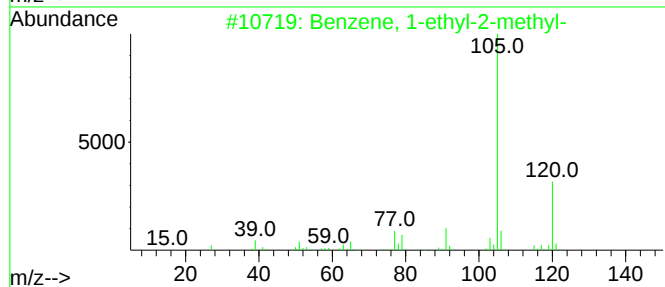
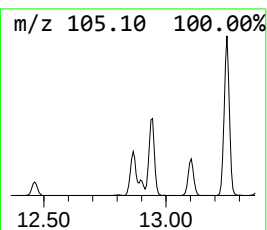
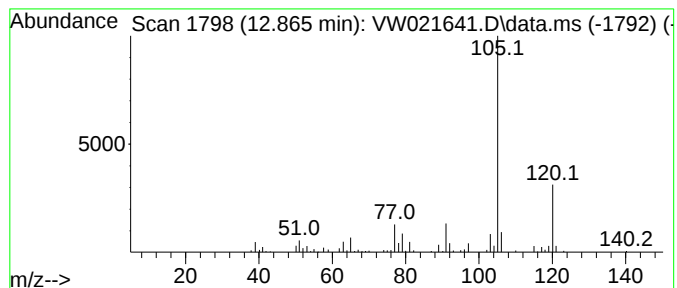
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Quant Title : SFAM01.0

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

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	13.99 ug/L	55910	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

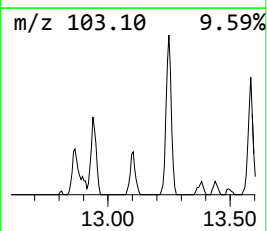
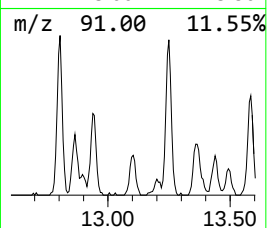
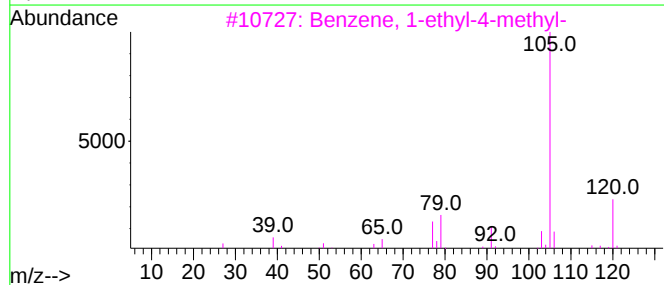
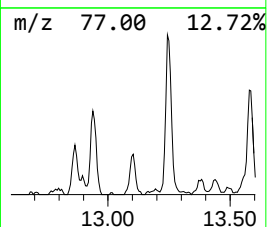
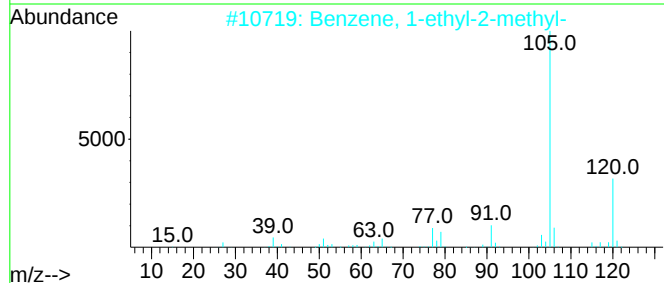
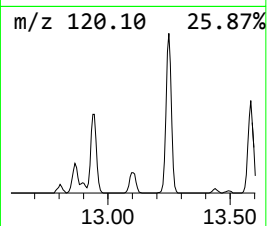
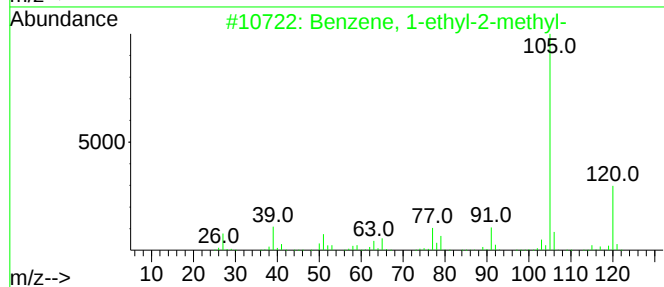
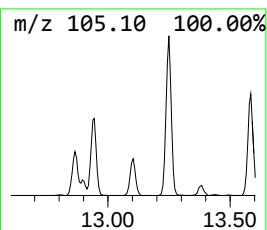
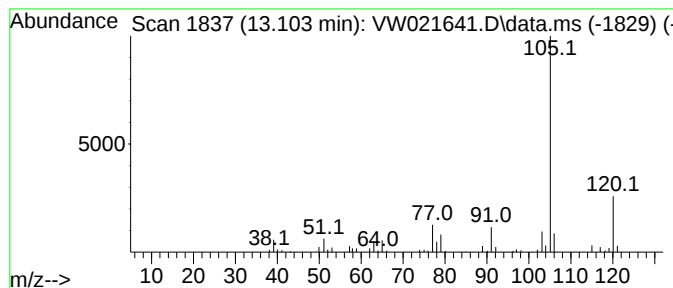
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Quant Title : SFAM01.0

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

Peak Number 11 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	10.74 ug/L	42901	1,4-Dichlorobenzene-d4	13.560

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

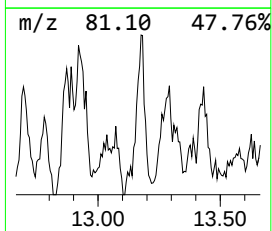
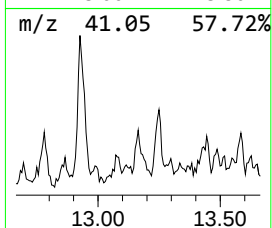
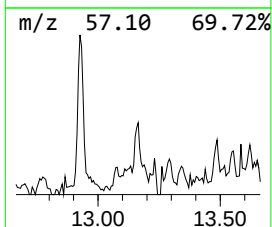
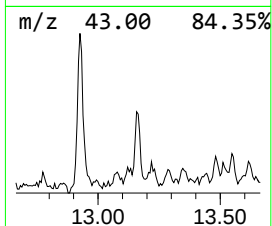
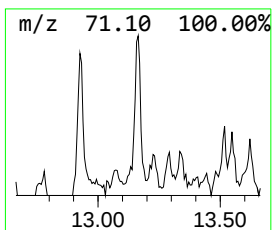
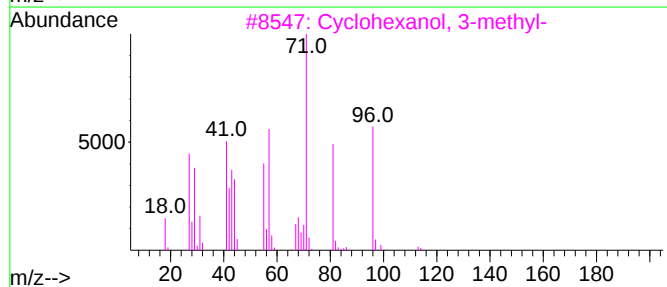
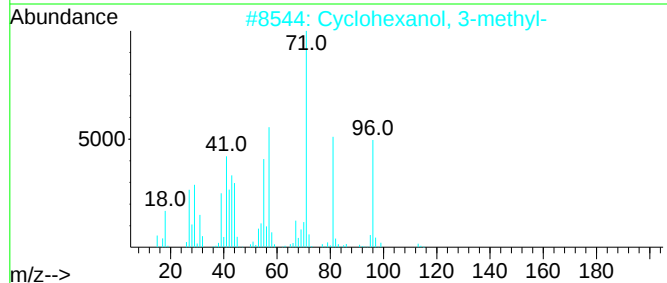
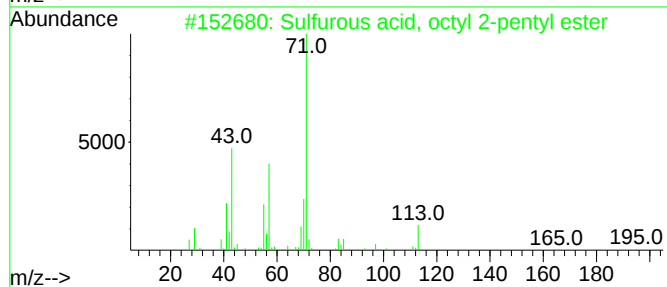
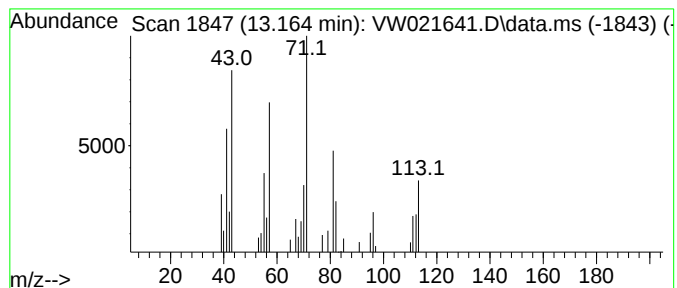
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Quant Title : SFAM01.0

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

Peak Number 12 Sulfurous acid, octyl 2-pen... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	3.85 ug/L	15379	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	52
2			Cyclohexanol, 3-methyl-	114	C7H14O	000591-23-1	47
3			Cyclohexanol, 3-methyl-	114	C7H14O	000591-23-1	47
4			3-Bromooctane	192	C8H17Br	000999-64-4	47
5			Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

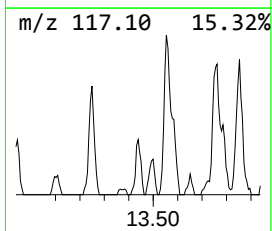
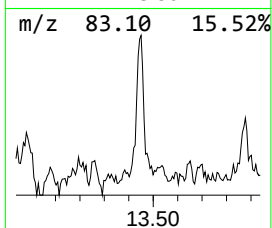
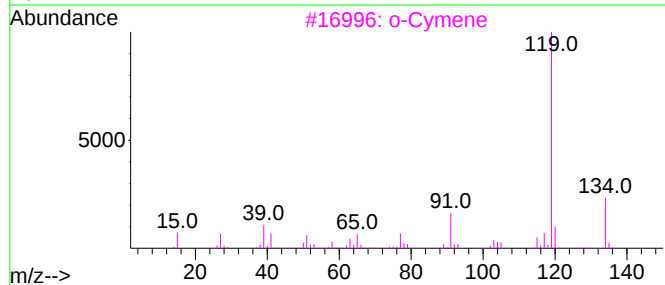
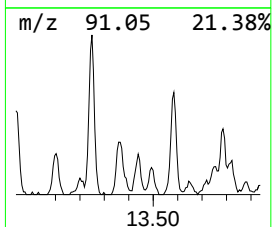
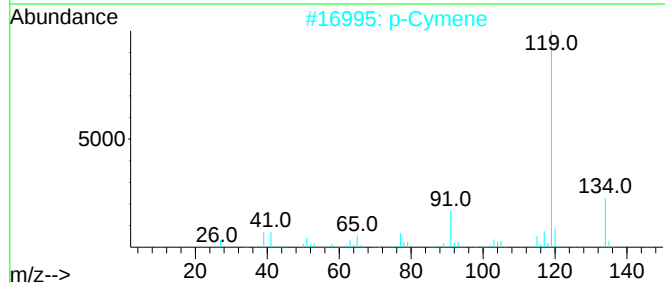
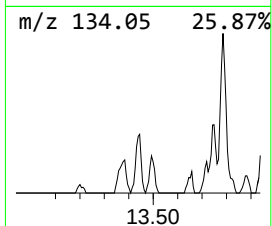
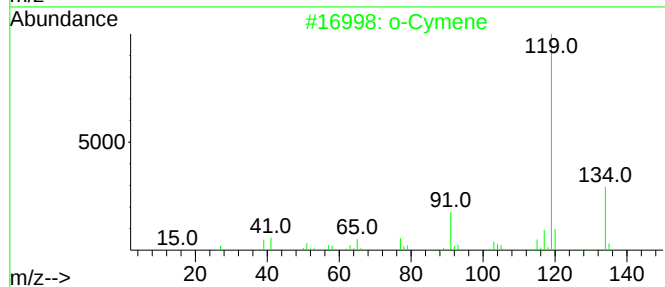
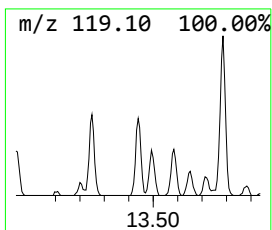
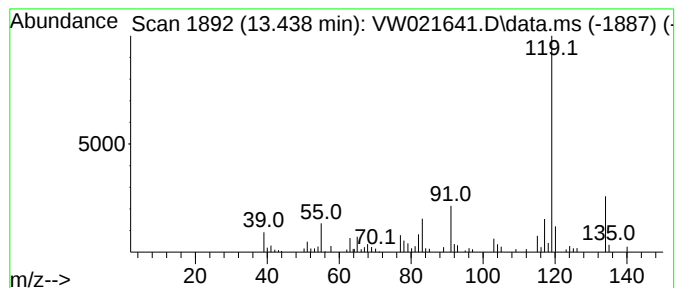
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Quant Title : SFAM01.0

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

Peak Number 14 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	6.25 ug/L	24981	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	94
2		p-Cymene	134	C10H14	000099-87-6	94
3		o-Cymene	134	C10H14	000527-84-4	93
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

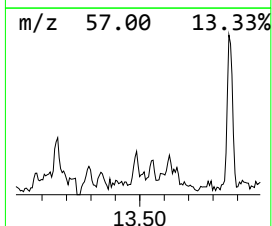
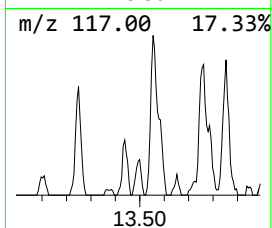
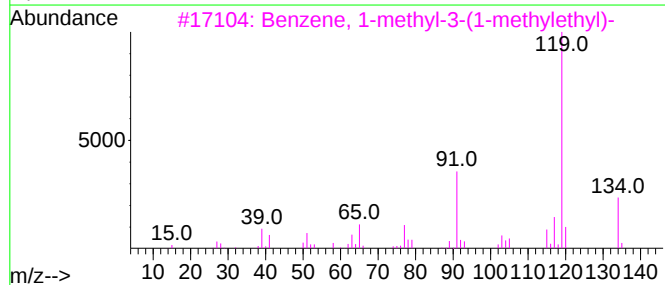
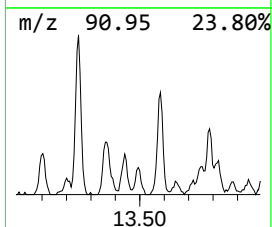
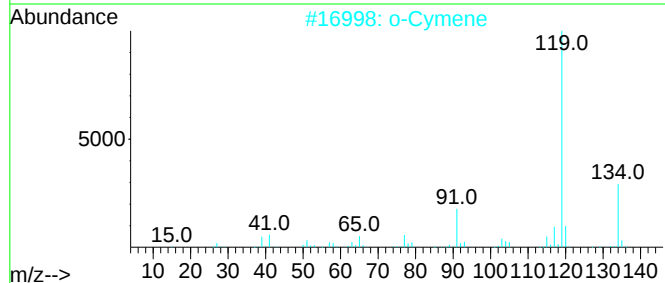
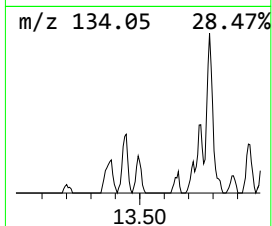
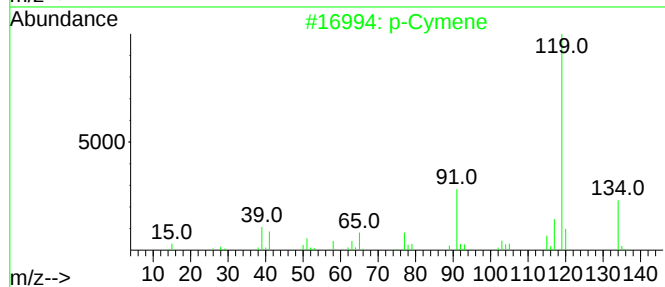
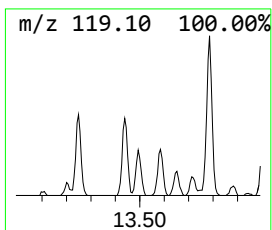
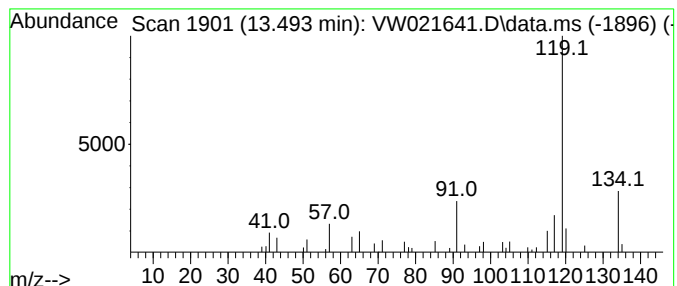
Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

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Quant Title : SFAM01.0

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

Peak Number 15 p-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.493	2.77 ug/L	11080	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	p-Cymene		134	C10H14	000099-87-6	87
2	o-Cymene		134	C10H14	000527-84-4	87
3	Benzene, 1-methyl-3-(1-methyleth...		134	C10H14	000535-77-3	87
4	p-Cymene		134	C10H14	000099-87-6	86
5	o-Cymene		134	C10H14	000527-84-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

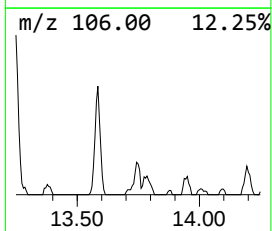
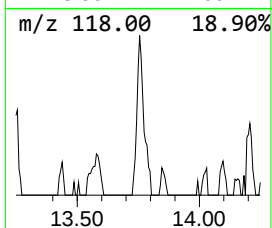
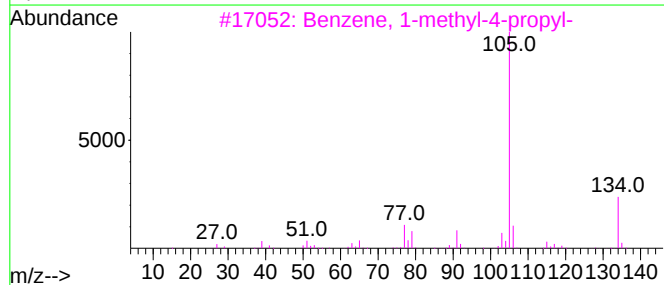
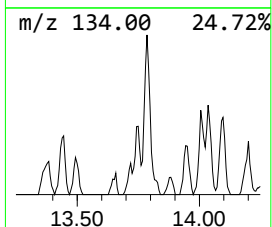
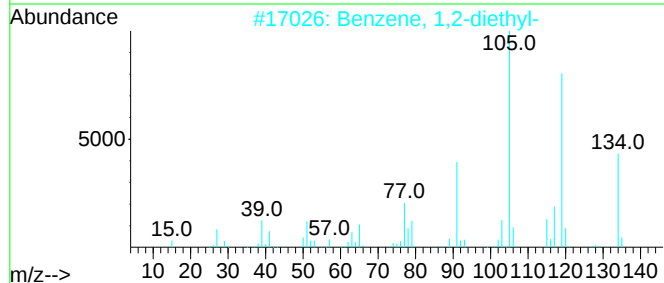
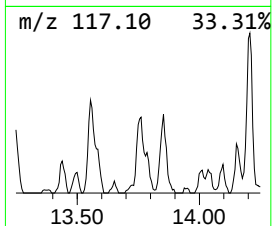
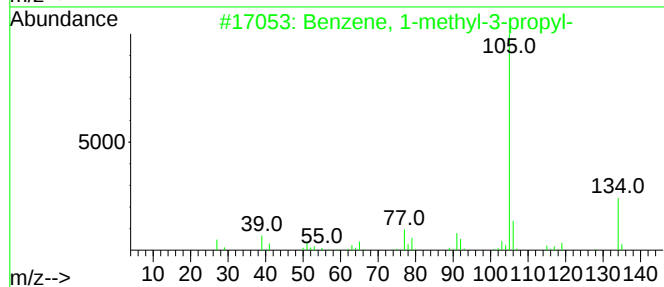
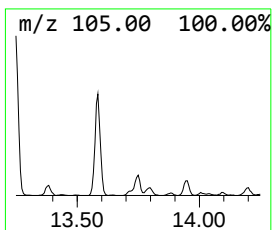
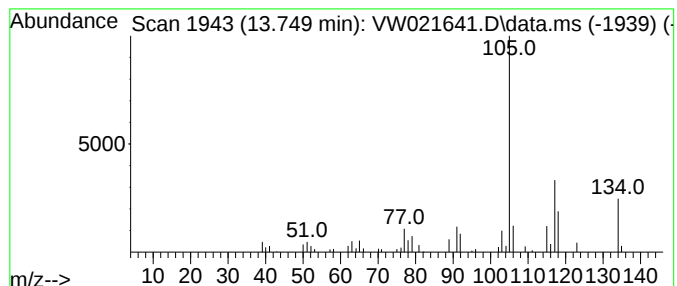
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Quant Title : SFAM01.0

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

Peak Number 16 Benzene, 1-methyl-3-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	3.85 ug/L	15384	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	55
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	49
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	49
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

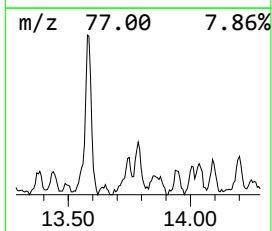
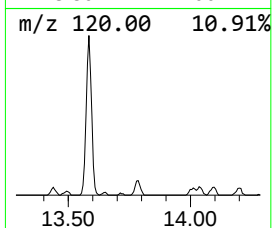
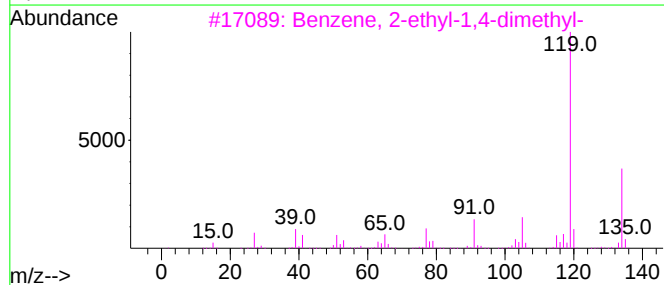
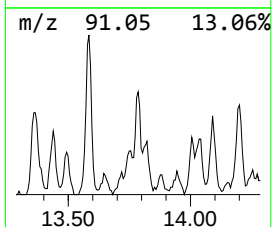
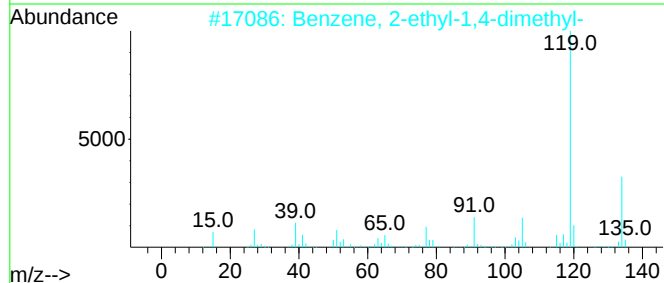
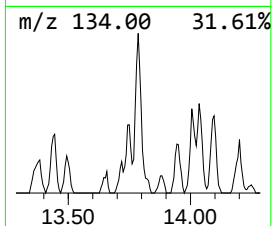
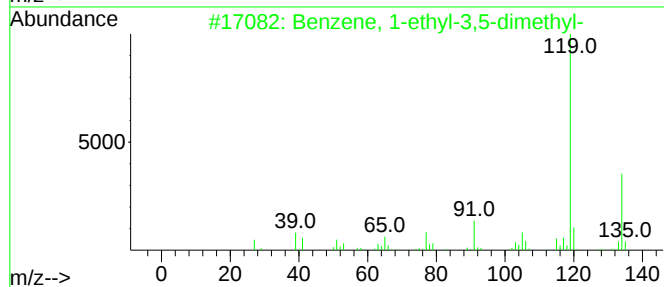
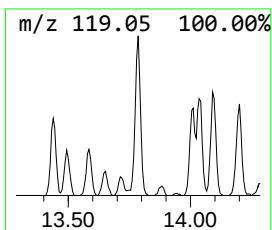
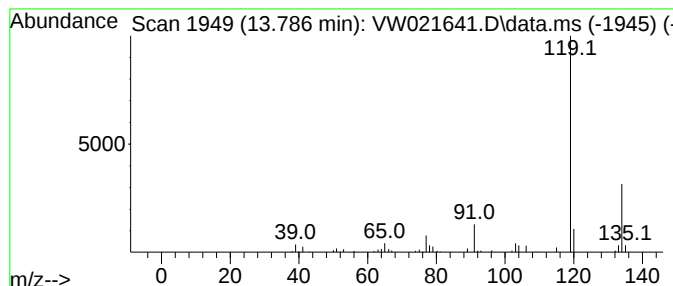
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Quant Title : SFAM01.0

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

Peak Number 17 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	8.88 ug/L	35497	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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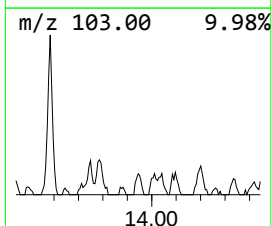
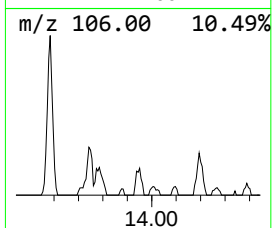
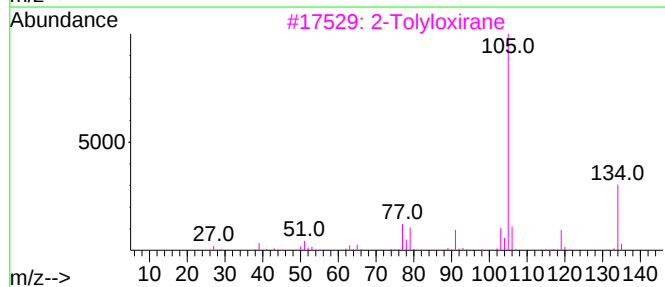
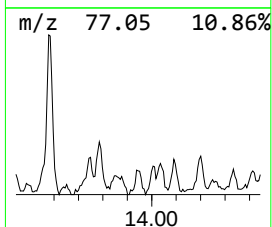
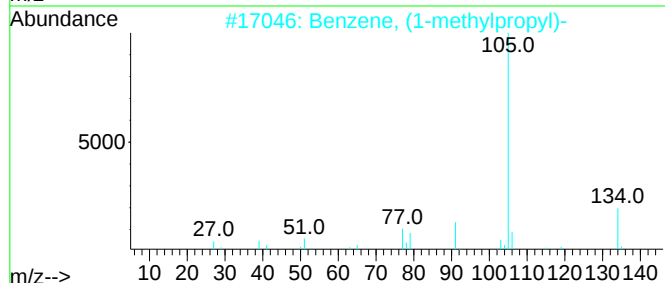
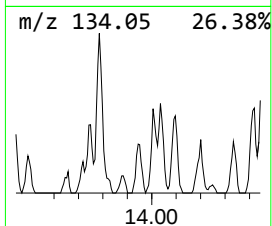
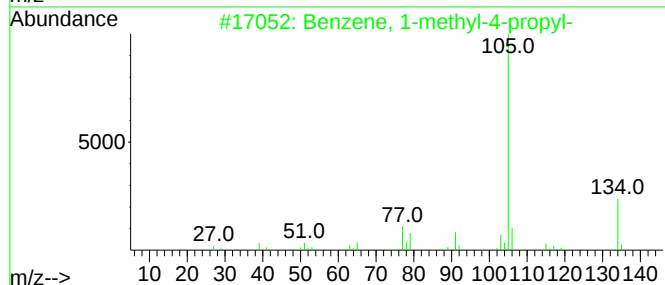
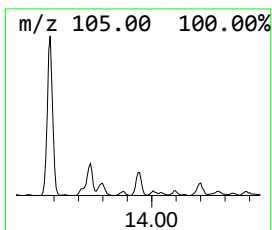
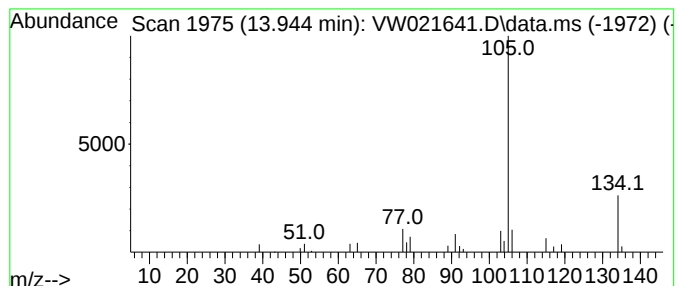
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Quant Title : SFAM01.0

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

Peak Number 18 Benzene, 1-methyl-4-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	2.10 ug/L	8373	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
3			2-Tolyloxirane	134	C9H10O	002783-26-8	87
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
5			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

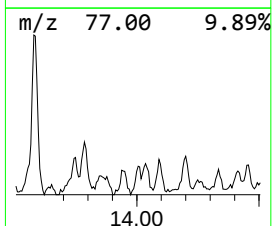
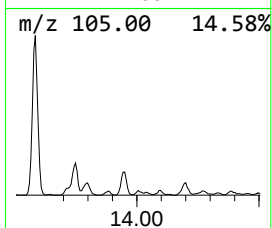
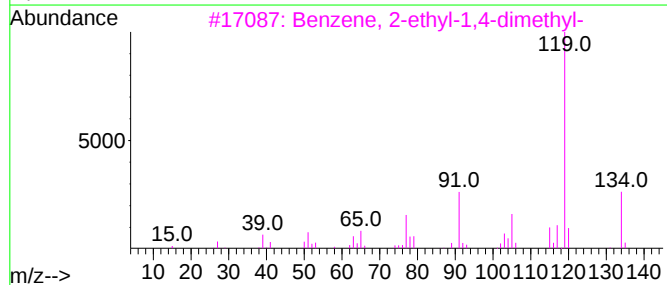
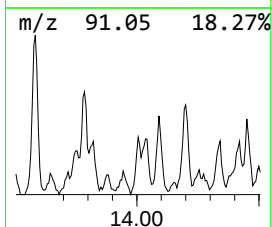
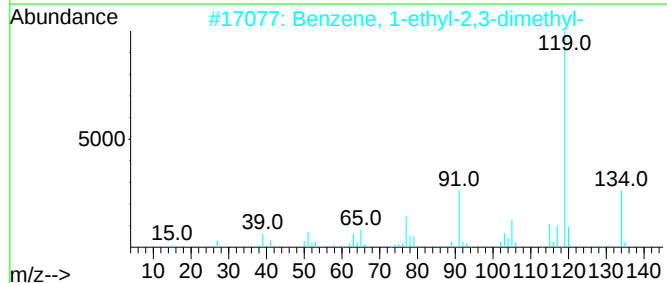
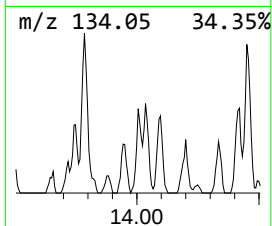
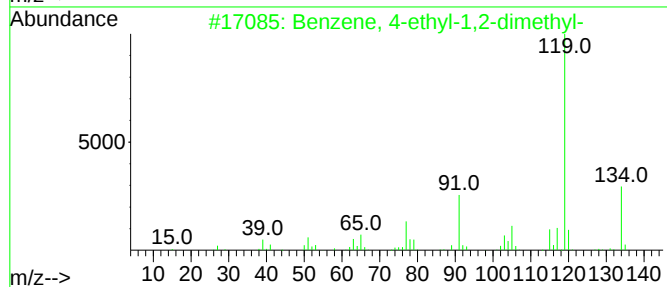
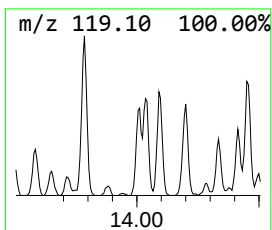
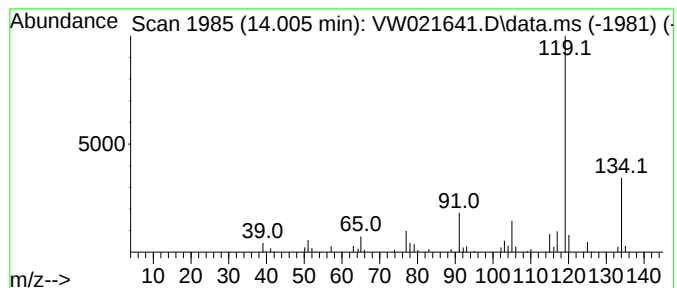
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Quant Title : SFAM01.0

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

Peak Number 19 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	4.86 ug/L	19425	1,4-Dichlorobenzene-d4	13.560

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

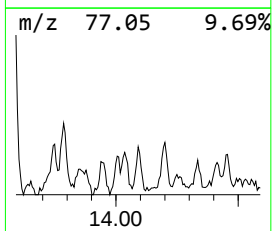
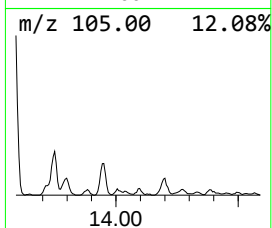
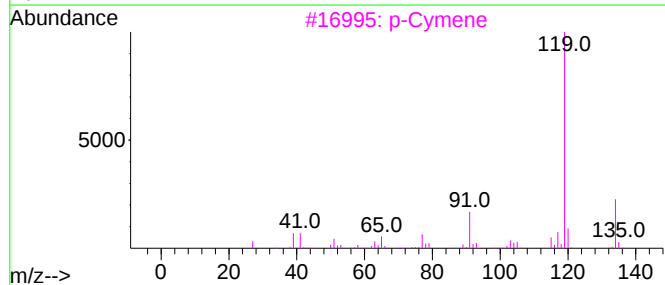
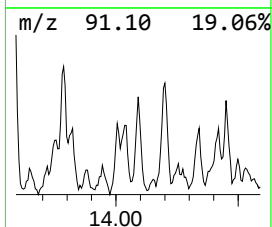
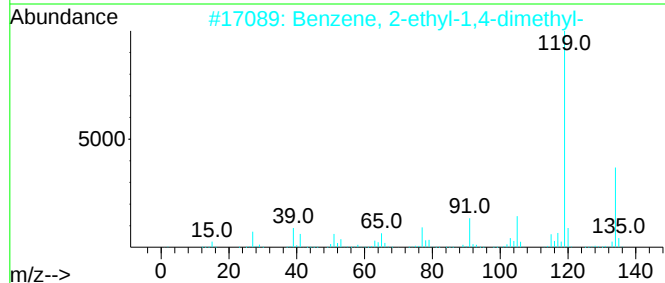
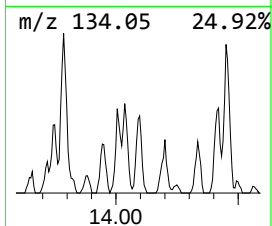
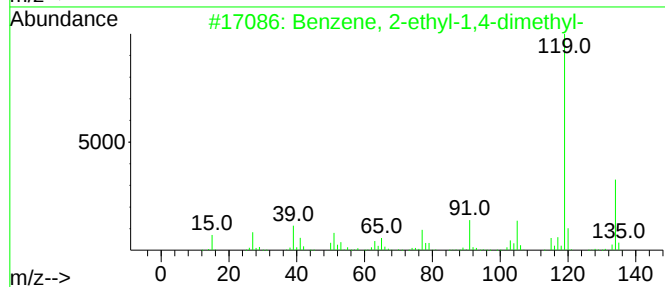
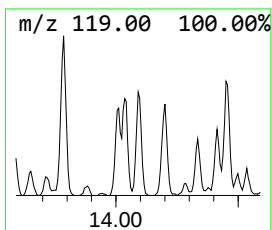
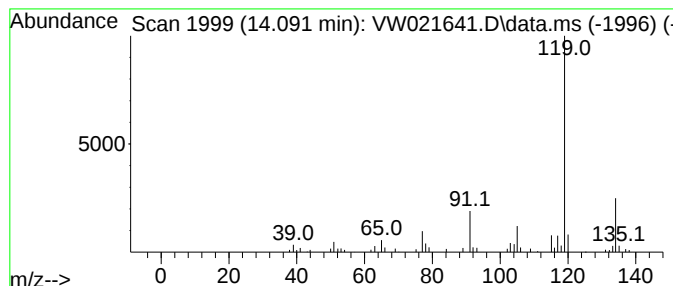
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Quant Title : SFAM01.0

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

Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	6.01 ug/L	23996	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			p-Cymene	134	C10H14	000099-87-6	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

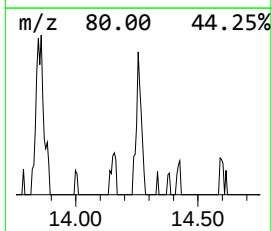
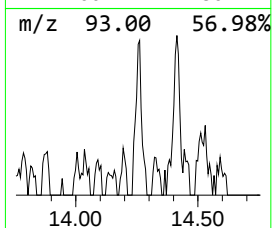
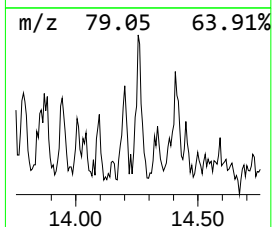
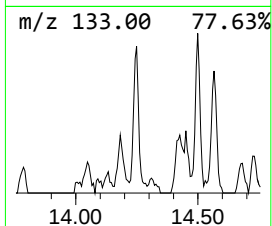
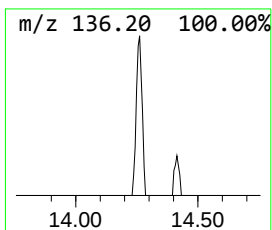
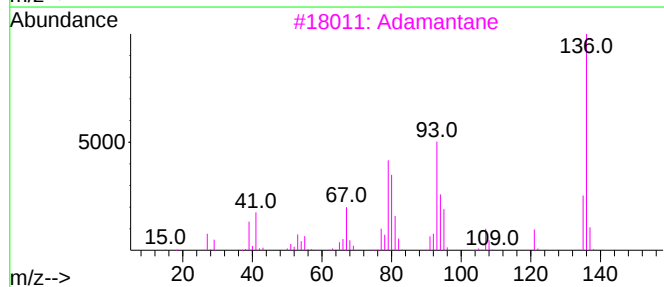
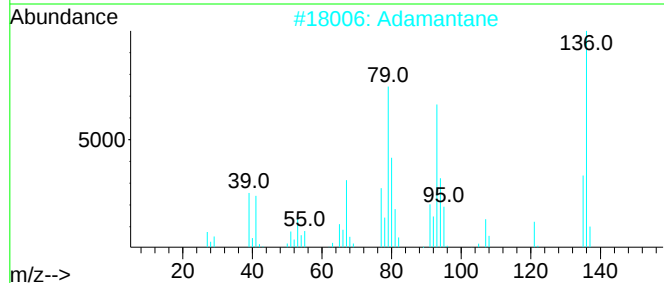
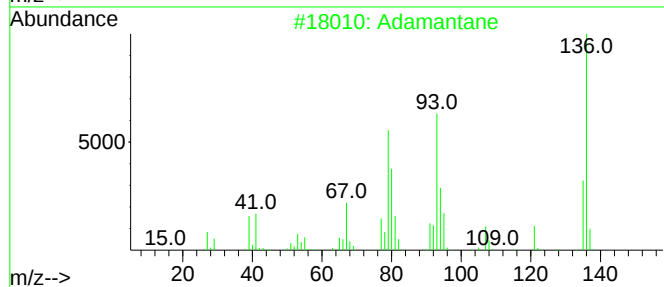
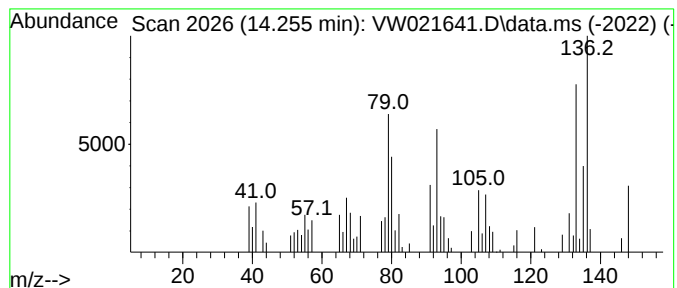
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Quant Title : SFAM01.0

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

Peak Number 22 Adamantane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	4.54 ug/L	18137	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane	136	C10H16	000281-23-2	83
2			Adamantane	136	C10H16	000281-23-2	64
3			Adamantane	136	C10H16	000281-23-2	60
4			Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	55
5			Adamantane	136	C10H16	000281-23-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

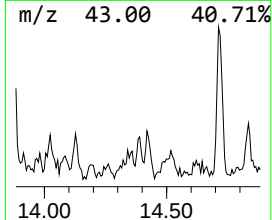
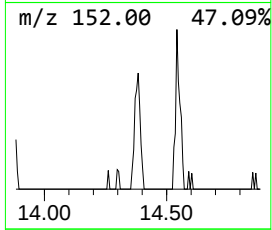
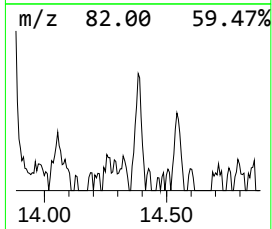
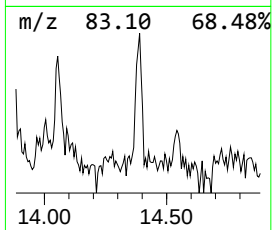
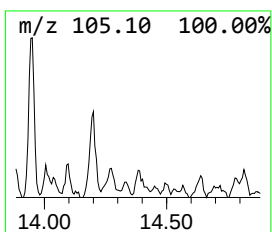
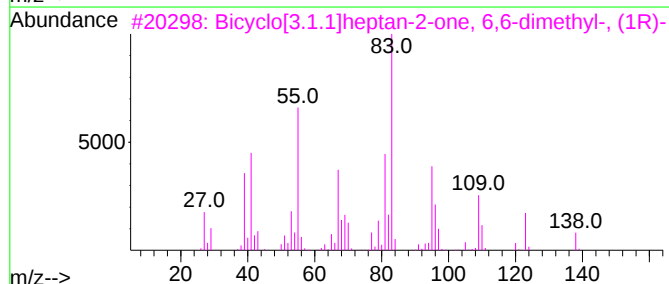
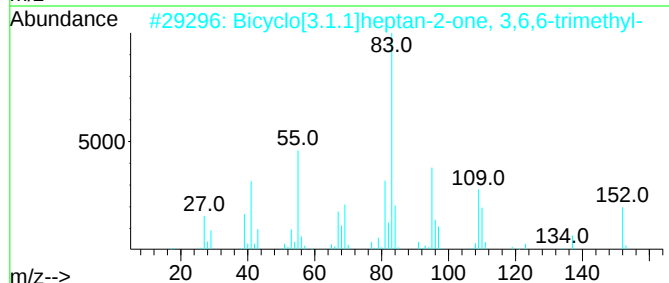
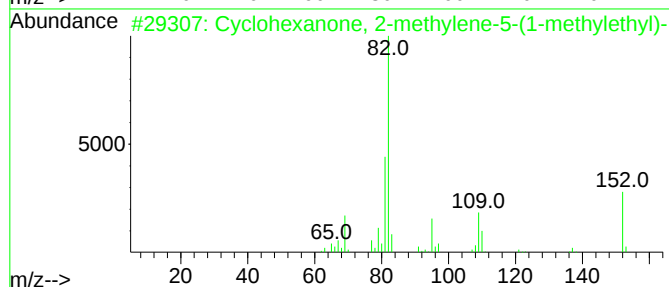
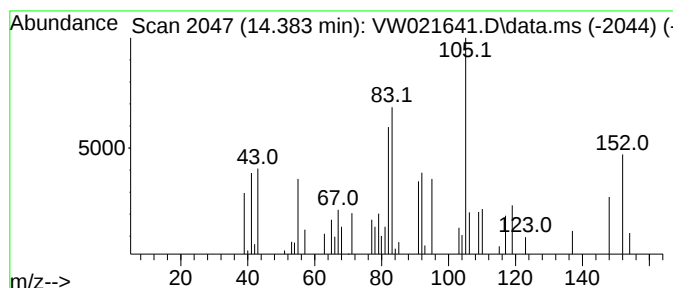
Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

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

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

Peak Number 24 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.383	2.59 ug/L	10357	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methylene-5-(1-...		152	C10H16O	015297-07-1	14
2	Bicyclo[3.1.1]heptan-2-one, 3,6,...		152	C10H16O	016022-08-5	12
3	Bicyclo[3.1.1]heptan-2-one, 6,6-...		138	C9H14O	038651-65-9	10
4	2-Pyrazoline, 1-allyl-		110	C6H10N2	019804-38-7	10
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...		138	C9H14O	038651-65-9	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

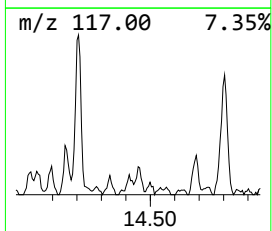
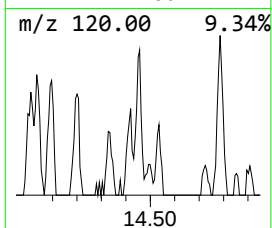
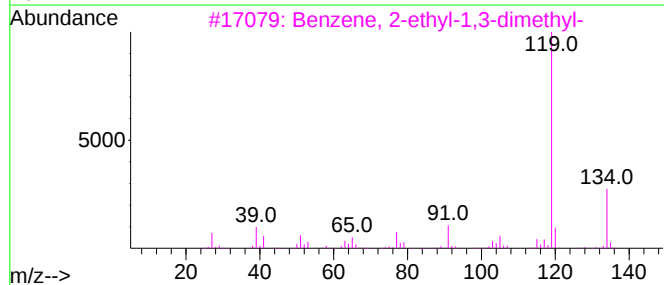
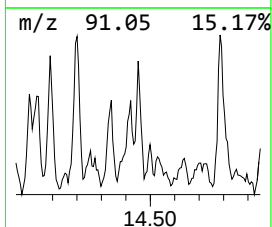
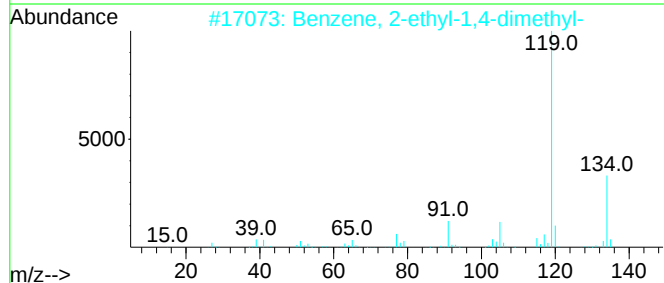
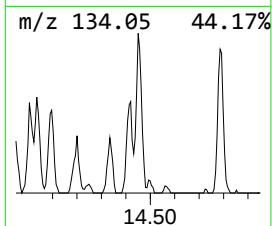
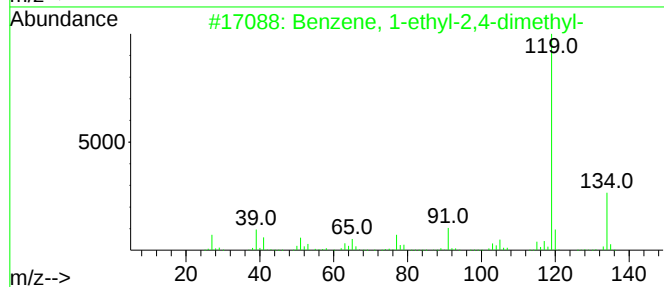
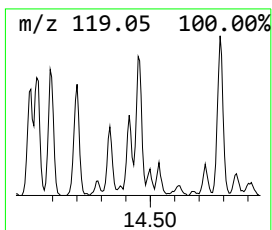
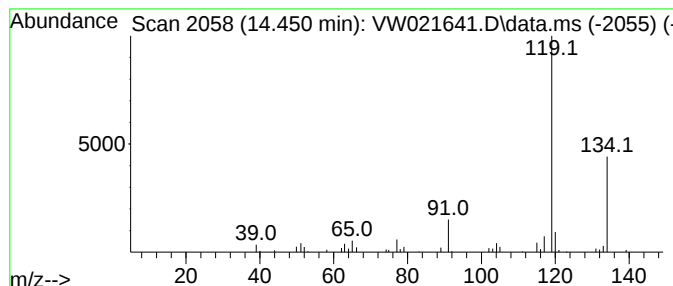
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Quant Title : SFAM01.0

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

Peak Number 26 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	6.39 ug/L	25521	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

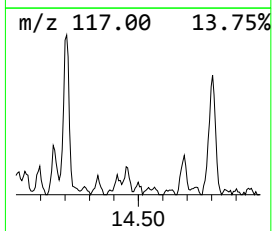
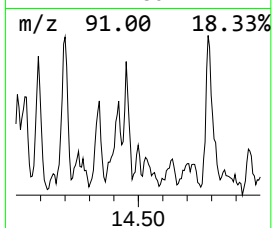
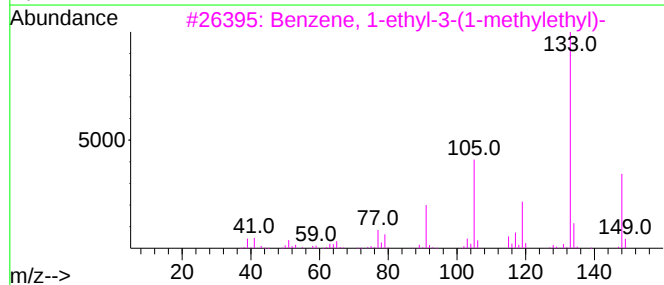
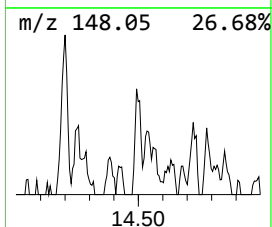
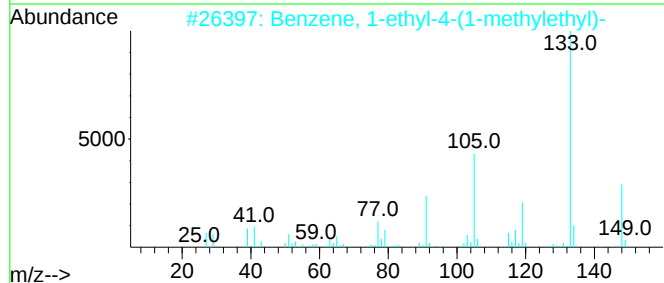
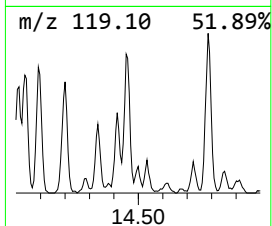
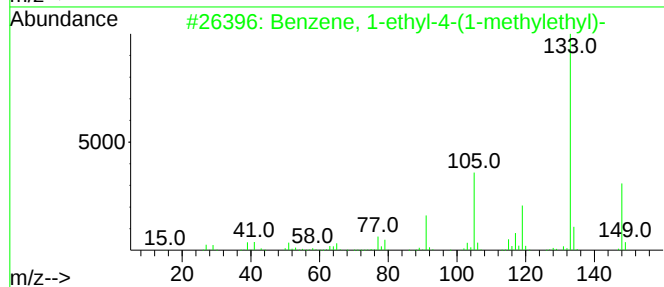
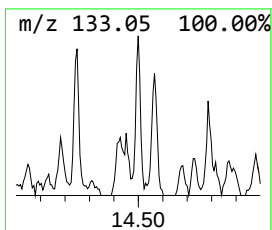
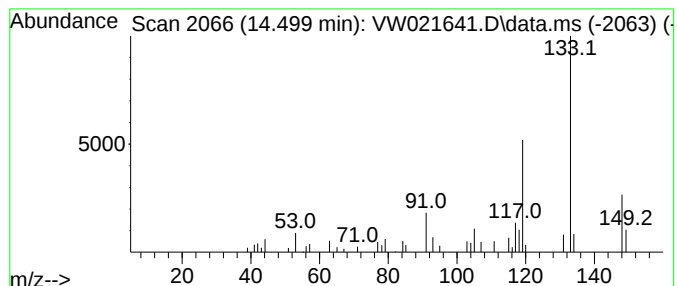
Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

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 27 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.499	2.31 ug/L	9235	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-		148	C11H16	004218-48-8	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-		148	C11H16	004218-48-8	58
3	Benzene, 1-ethyl-3-(1-methylethyl)-		148	C11H16	004920-99-4	53
4	3,4-Dimethylcumene		148	C11H16	1000370-34-1	52
5	Benzene, 1,3-dimethyl-5-(1-methy...		148	C11H16	004706-90-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

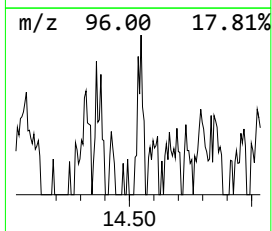
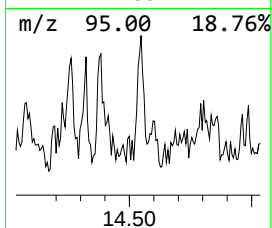
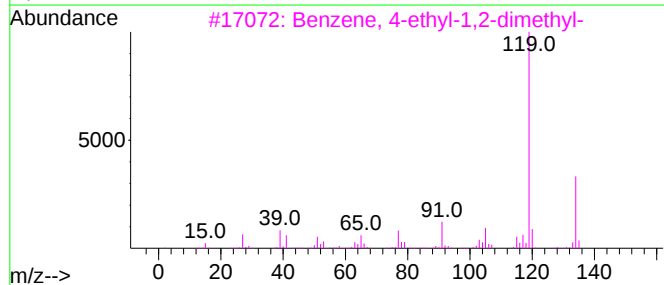
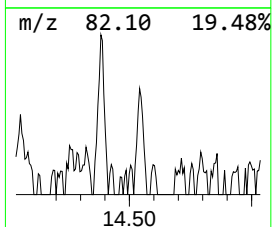
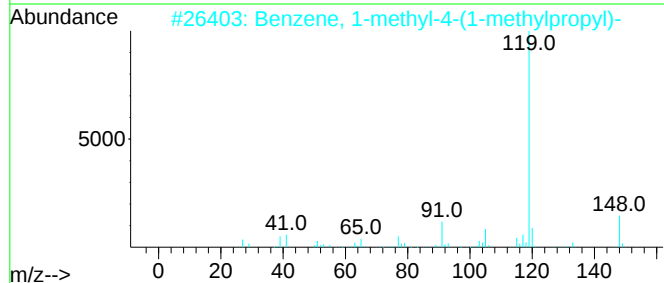
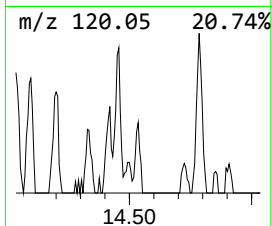
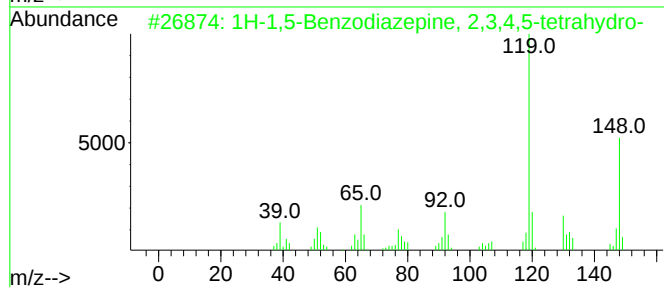
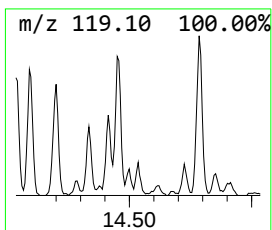
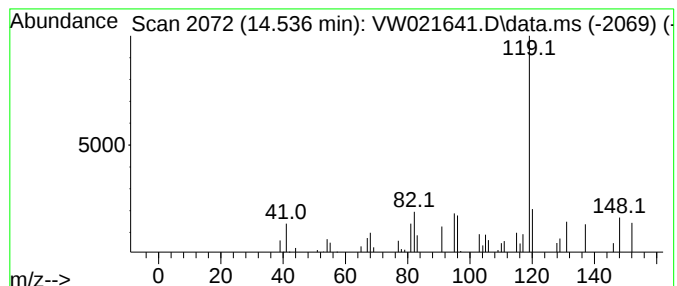
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Quant Title : SFAM01.0

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

Peak Number 28 1H-1,5-Benzodiazepine, 2,3,... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.536	3.52 ug/L	14081	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	58
2			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	43
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	43
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

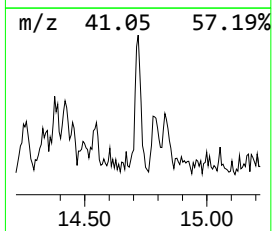
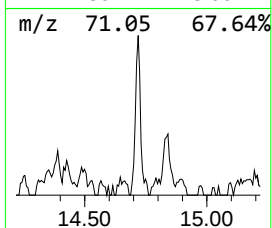
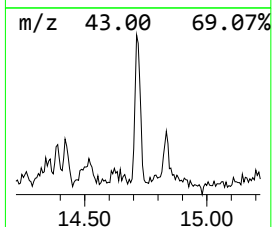
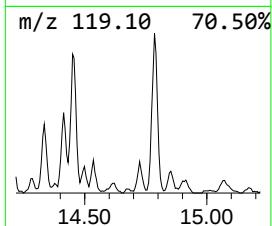
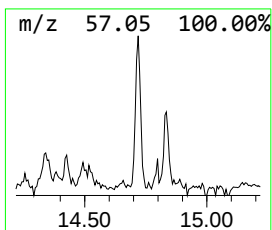
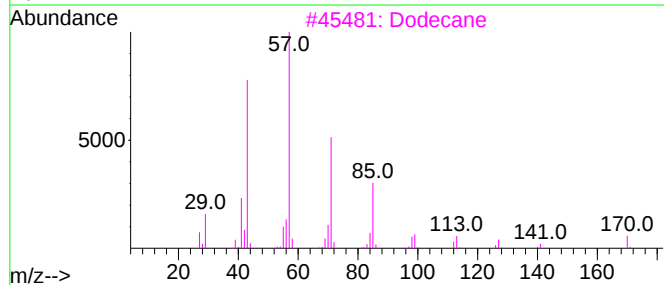
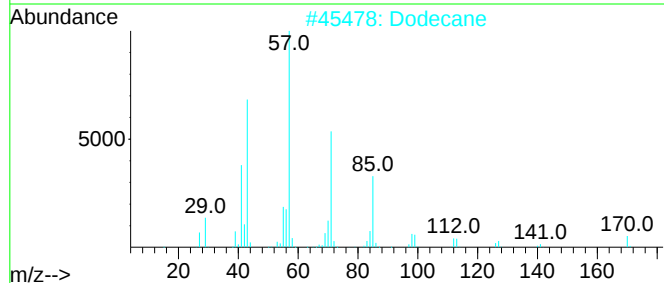
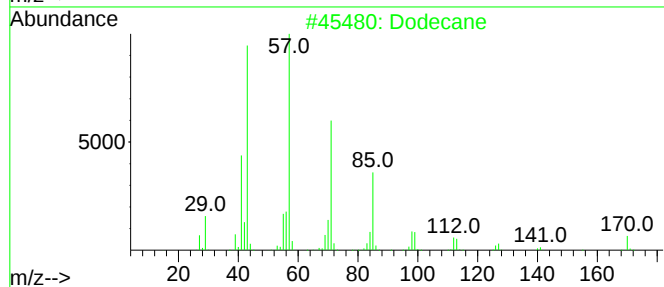
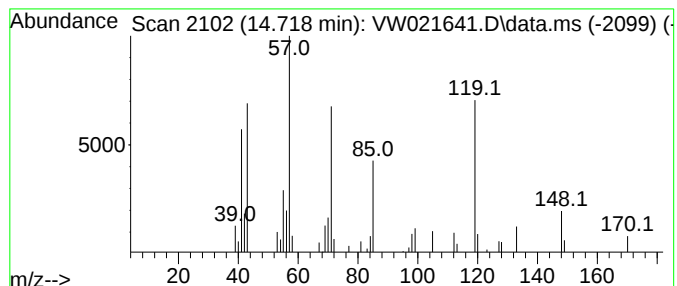
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	4.41 ug/L	17601	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	55
2		Dodecane	170	C12H26	000112-40-3	55
3		Dodecane	170	C12H26	000112-40-3	49
4		Dodecane	170	C12H26	000112-40-3	46
5		Hexadecane	226	C16H34	000544-76-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

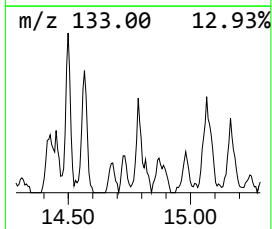
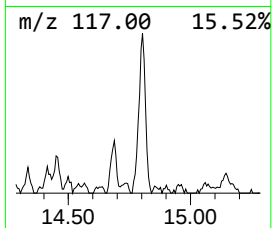
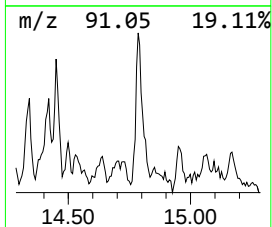
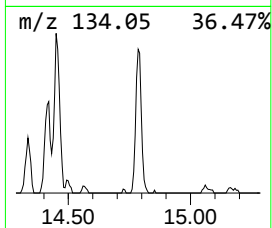
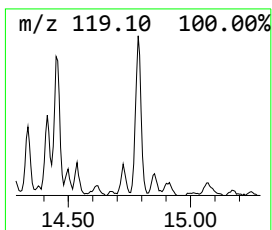
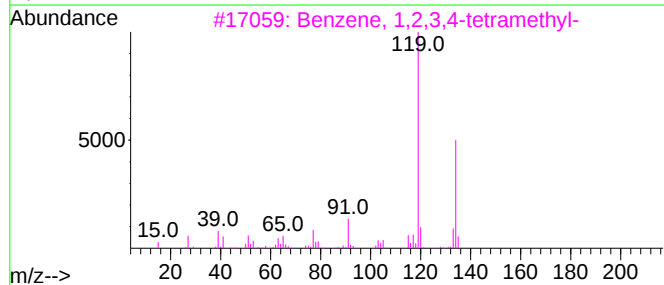
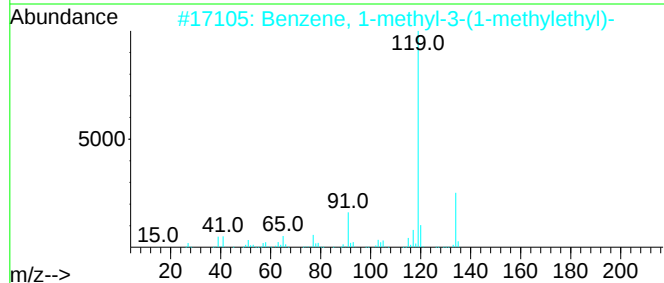
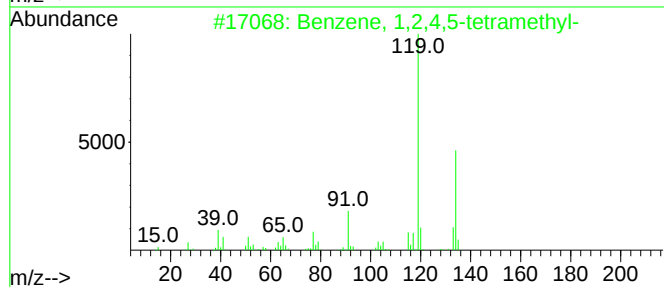
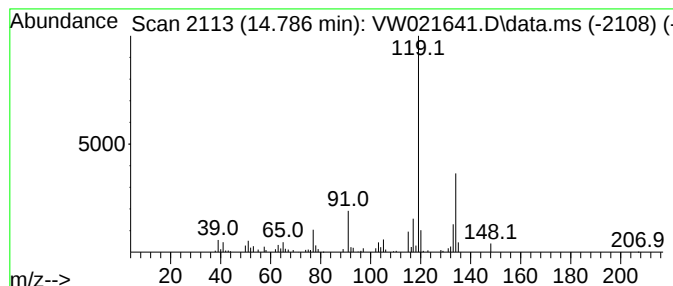
Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

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

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

Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.786	13.73 ug/L	54852	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	94
2	Benzene, 1-methyl-3-(1-methylethyl)-		134	C10H14	000535-77-3	93
3	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	93
4	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-		134	C10H14	076089-59-3	93
5	p-Cymene		134	C10H14	000099-87-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

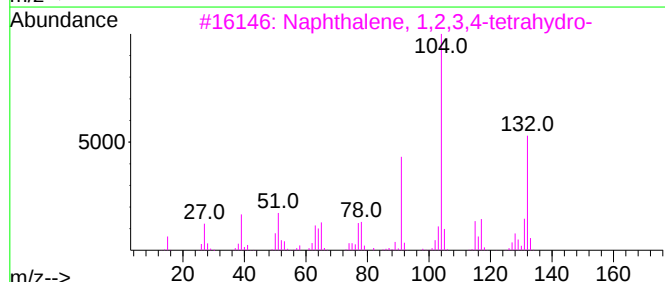
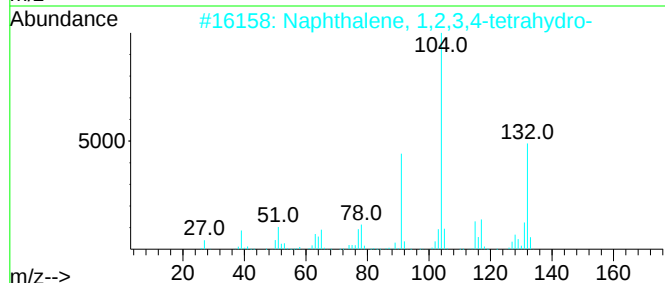
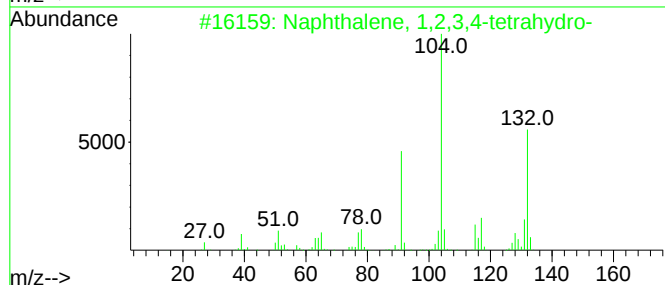
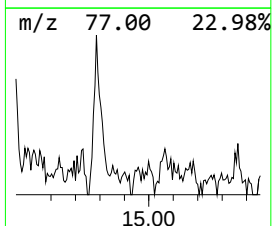
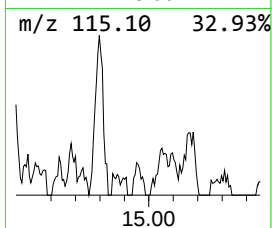
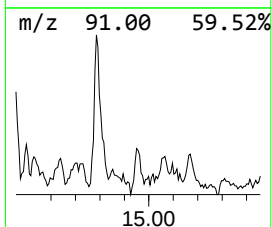
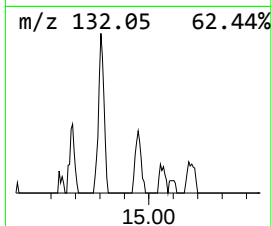
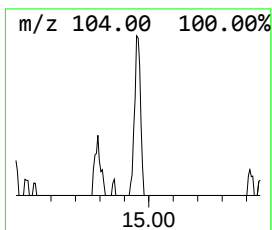
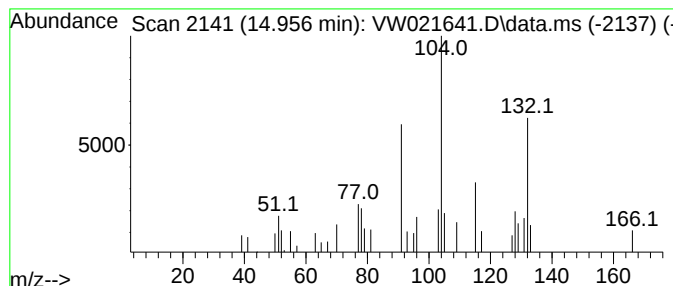
Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

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 31 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.956	1.26 ug/L	5042	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-		132	C10H12	000119-64-2	58
2	Naphthalene, 1,2,3,4-tetrahydro-		132	C10H12	000119-64-2	53
3	Naphthalene, 1,2,3,4-tetrahydro-		132	C10H12	000119-64-2	53
4	2H-Inden-2-one, 1,3-dihydro-		132	C9H8O	000615-13-4	49
5	Boranimine, 1,1-diethyl-N-phenyl-		161	C10H16BN	022093-18-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

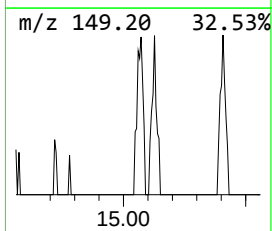
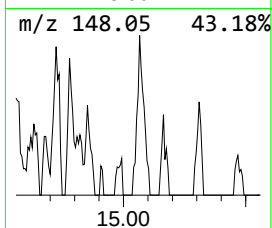
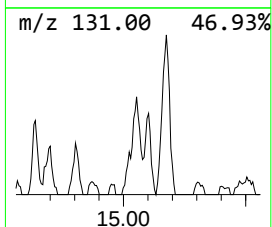
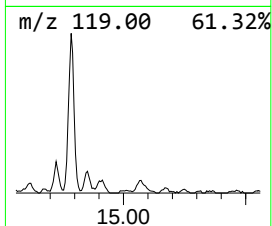
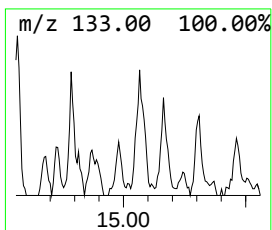
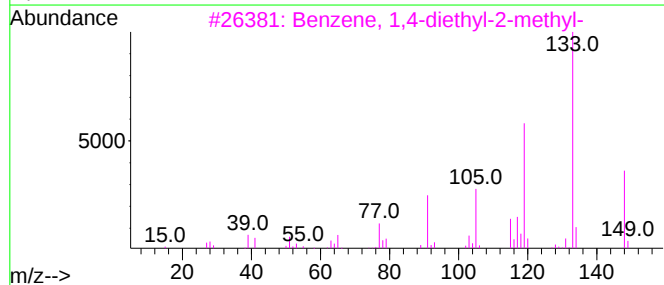
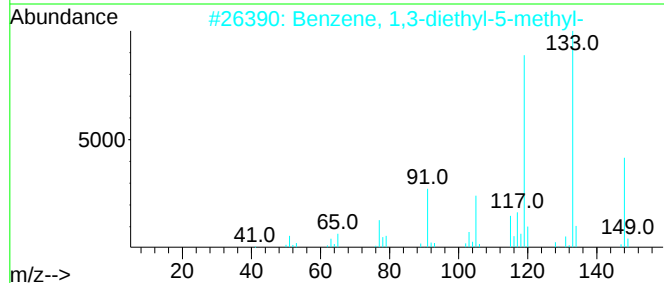
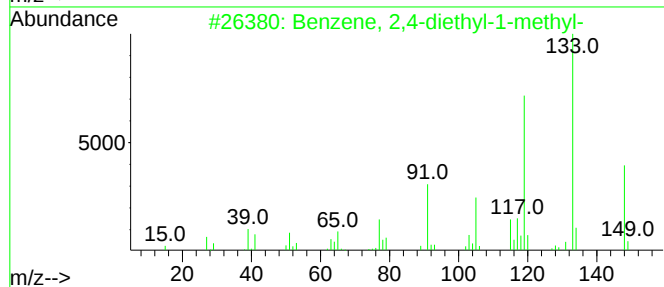
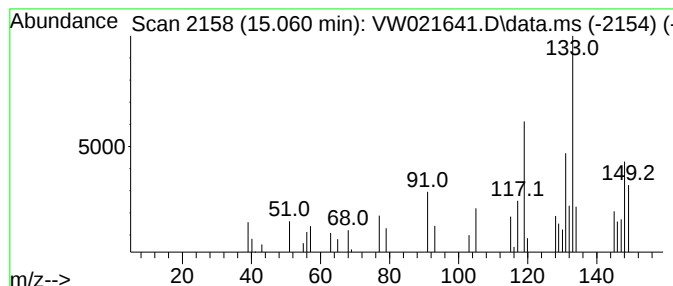
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	2.04 ug/L	8133	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	60
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
3			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49
4			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	43
5			6-Methyl-4-indanol	148	C10H12O	020294-32-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

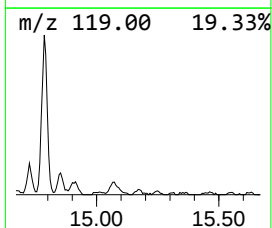
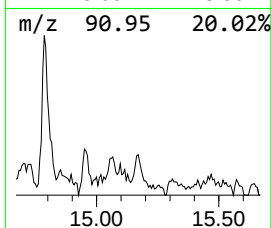
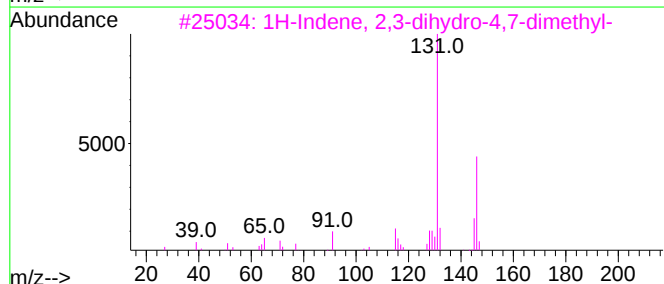
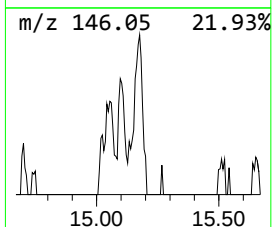
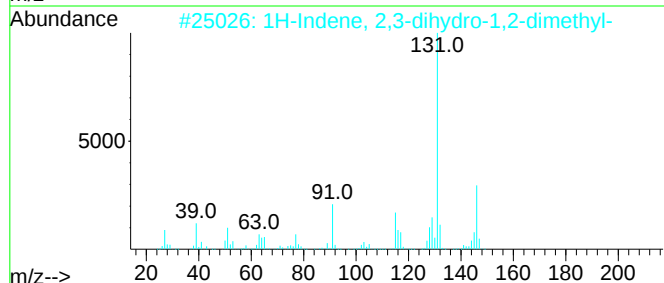
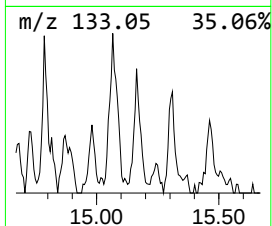
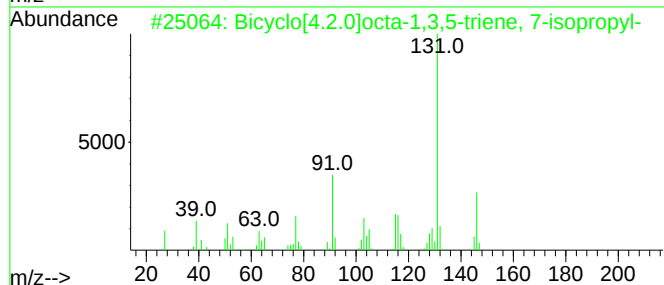
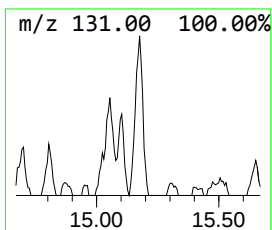
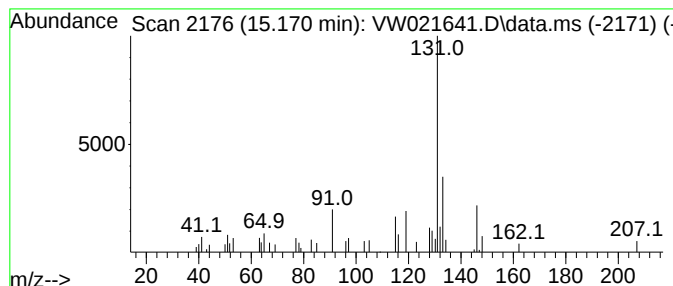
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Quant Title : SFAM01.0

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

Peak Number 33 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	3.31 ug/L	13228	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	70
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	62
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

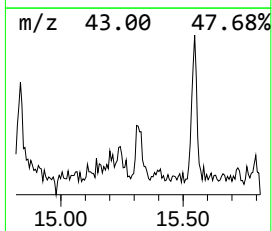
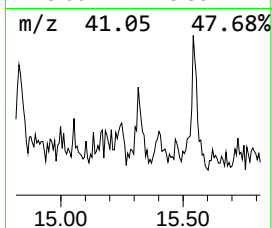
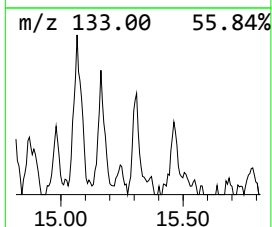
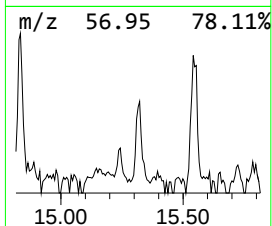
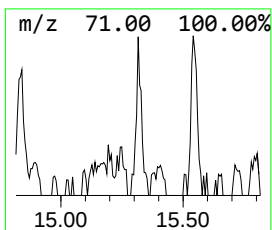
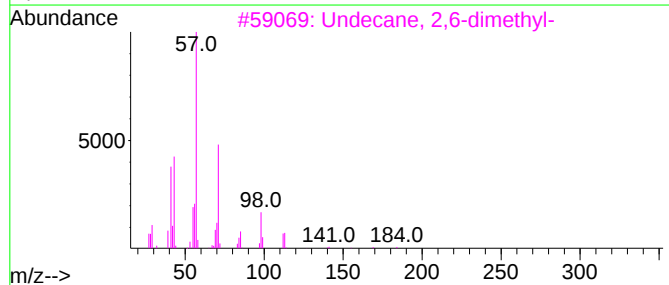
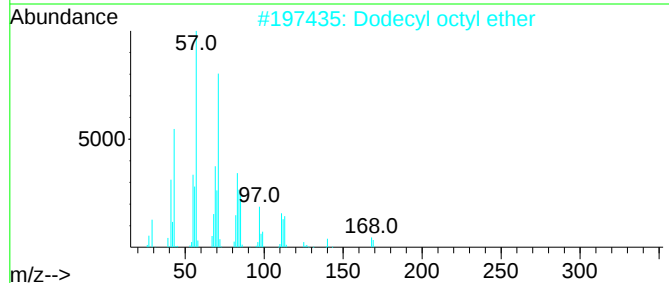
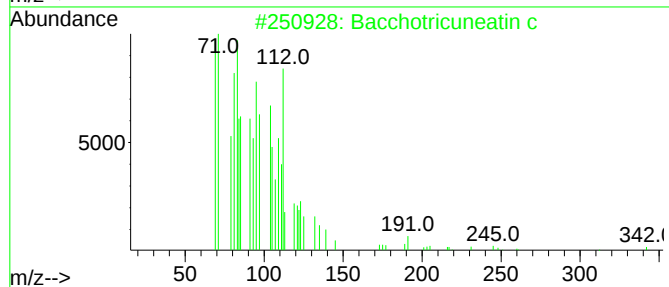
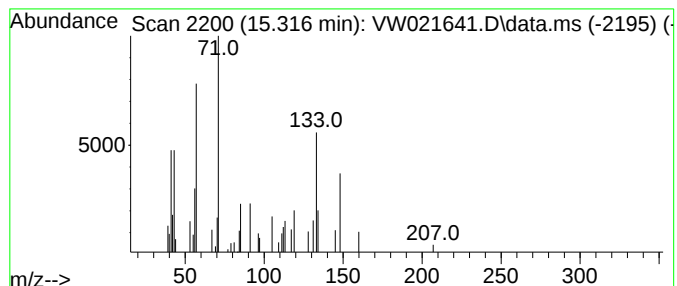
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Quant Title : SFAM01.0

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

Peak Number 34 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	1.61 ug/L	6427	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	27
2			Dodecyl octyl ether	298	C20H42O	1000406-38-4	27
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	27
4			1,2-Bis[methyl(trimethylene)silyl-...]	244	C11H24O2Si2	1000217-00-2	22
5			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

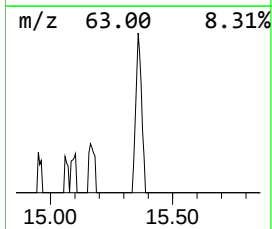
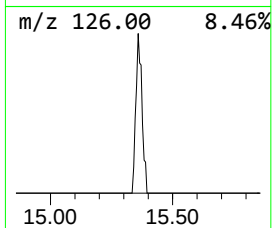
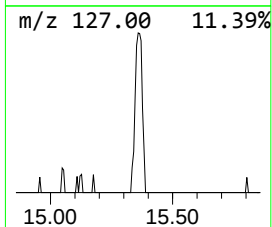
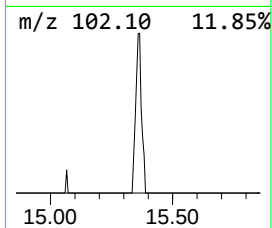
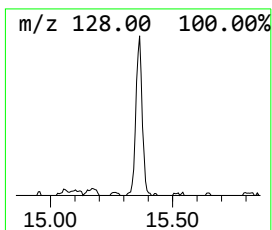
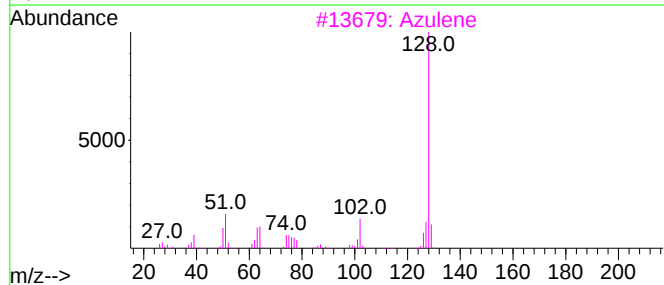
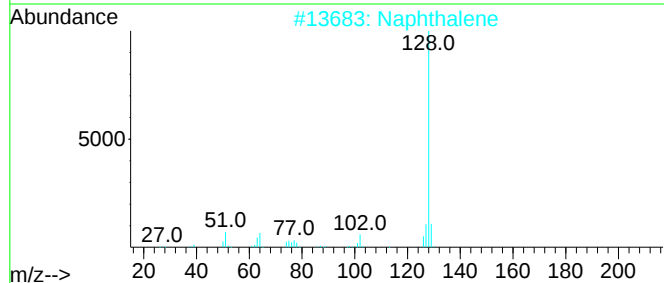
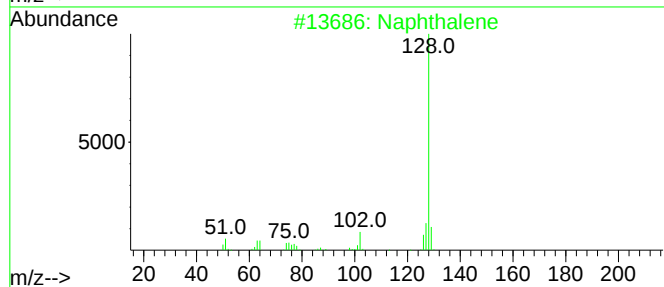
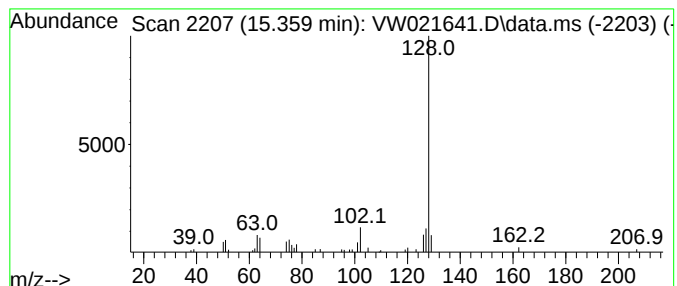
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Quant Title : SFAM01.0

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

Peak Number 35 Azulene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	3.78 ug/L	15104	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	91
3			Azulene	128	C10H8	000275-51-4	91
4			Azulene	128	C10H8	000275-51-4	91
5			Azulene	128	C10H8	000275-51-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

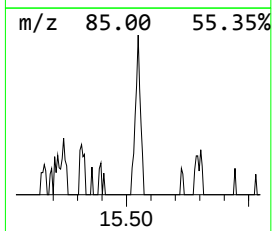
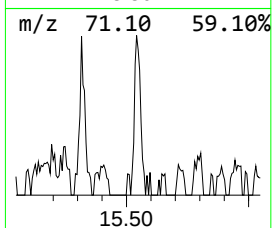
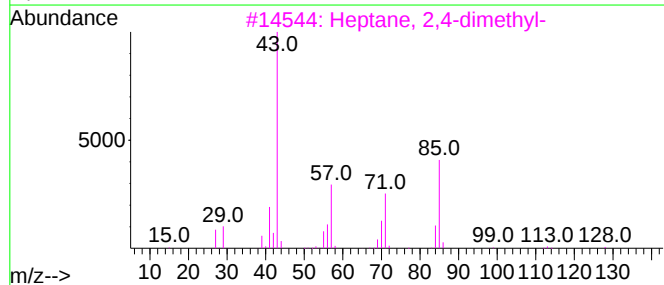
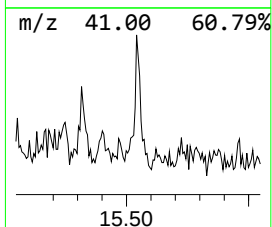
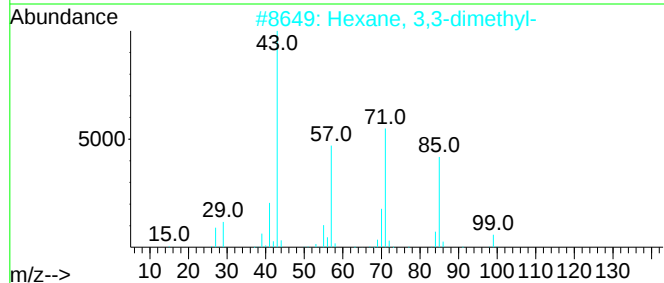
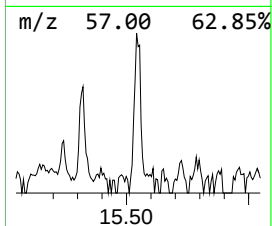
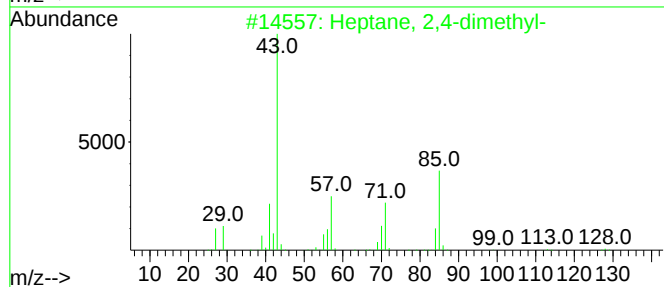
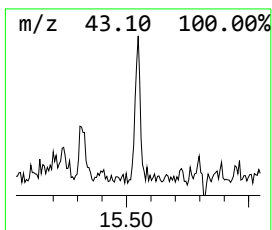
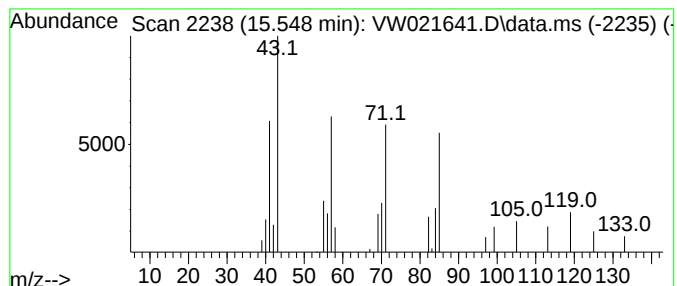
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	2.38 ug/L	9511	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4			Decyl octyl ether	270	C18H38O	1000406-38-3	43
5			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

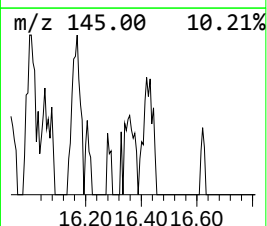
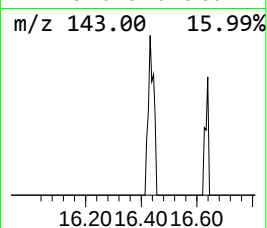
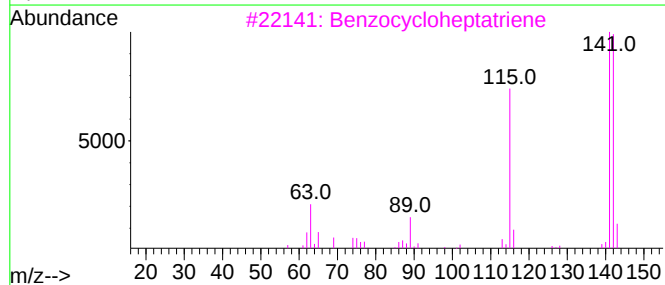
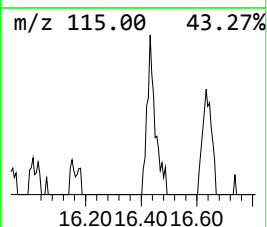
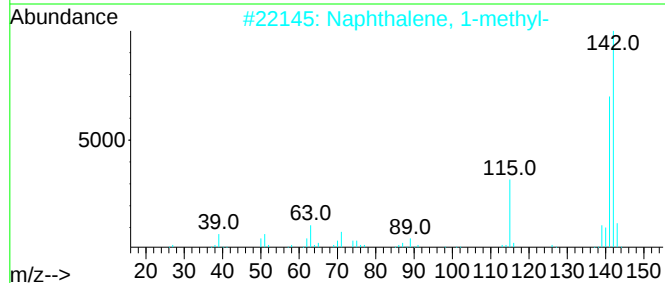
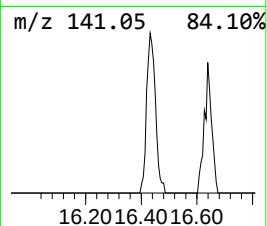
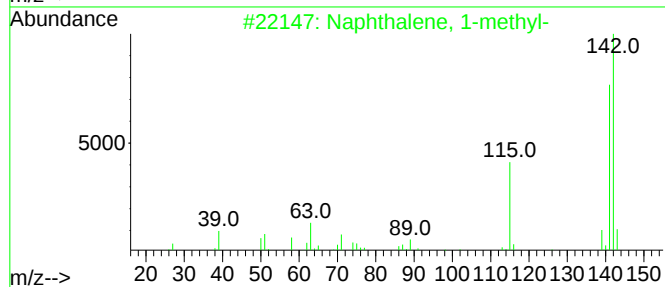
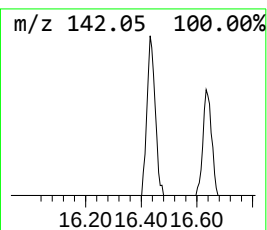
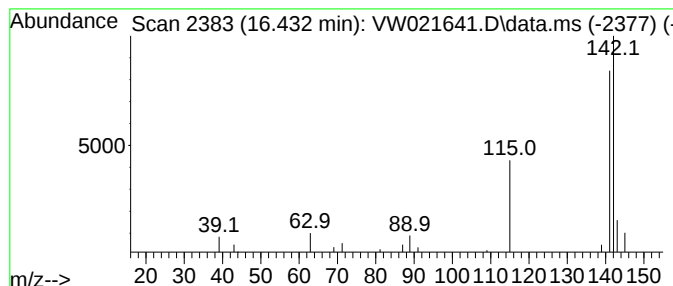
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Quant Title : SFAM01.0

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

Peak Number 37 Benzocycloheptatriene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	1.87 ug/L	7478	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
3			Benzocycloheptatriene	142	C11H10	000264-09-5	78
4			Benzocycloheptatriene	142	C11H10	000264-09-5	78
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021641.D
Acq On : 25 Dec 2021 13:20
Operator : SY/VA
Sample : M5174-03RE
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GBC14RE

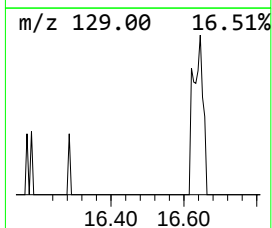
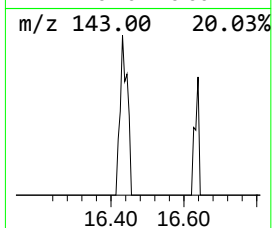
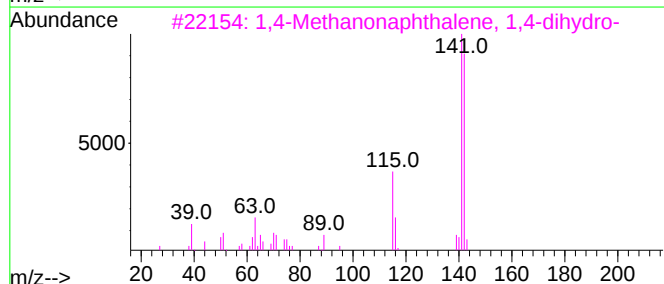
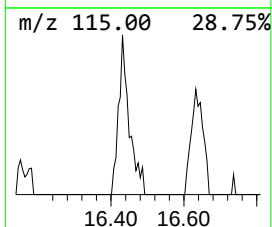
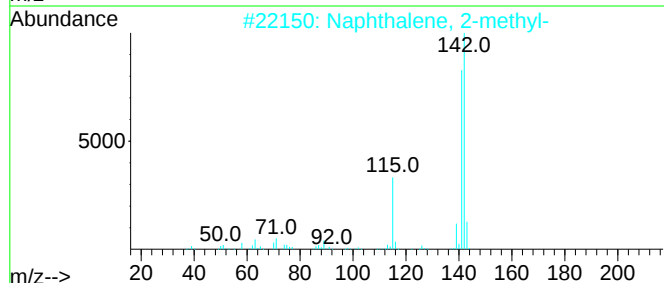
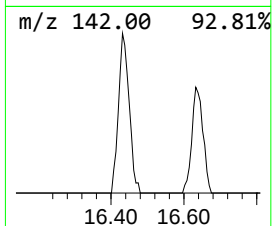
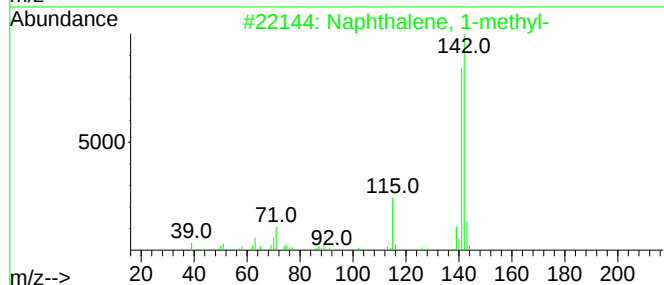
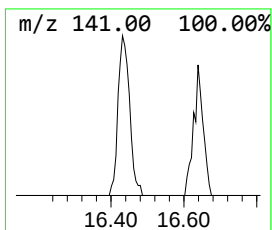
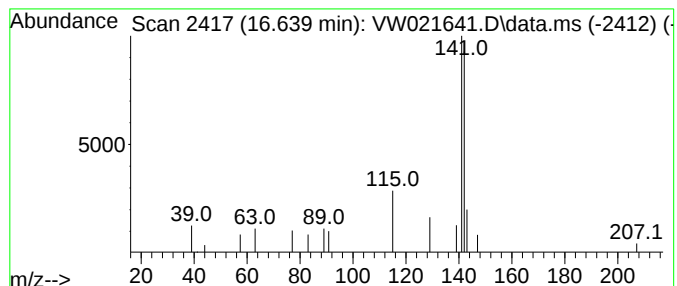
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Quant Title : SFAM01.0

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

Peak Number 38 Naphthalene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	1.64 ug/L	6568	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	72
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	72
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	64
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021641.D
 Acq On : 25 Dec 2021 13:20
 Operator : SY/VA
 Sample : M5174-03RE
 Misc : 5.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBC14RE

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	1.5	ug/L	11285	1	8.841	194828	25.0
(DEL) Alkane: C...	10.500	1.8	ug/L	12654	2	11.628	178461	25.0
(DEL) Alkane: C...	10.664	1.5	ug/L	10401	2	11.628	178461	25.0
(DEL) Alkane: C...	11.177	2.7	ug/L	19387	2	11.628	178461	25.0
(DEL) Alkane: C...	11.231	1.8	ug/L	13157	2	11.628	178461	25.0
(DEL) Alkane: C...	11.432	1.4	ug/L	10274	2	11.628	178461	25.0
1-Methylcyclooc...	12.341	2.7	ug/L	19572	2	11.628	178461	25.0
unknown-01	12.786	6.9	ug/L	27481	3	13.560	99879	25.0
Benzene, 1-ethy...	12.865	14.0	ug/L	55910	3	13.560	99879	25.0
Benzene, 1-ethy...	13.103	10.7	ug/L	42901	3	13.560	99879	25.0
Sulfurous acid,...	13.164	3.9	ug/L	15379	3	13.560	99879	25.0
o-Cymene	13.438	6.3	ug/L	24981	3	13.560	99879	25.0
p-Cymene	13.493	2.8	ug/L	11080	3	13.560	99879	25.0
Benzene, 1-meth...	13.749	3.9	ug/L	15384	3	13.560	99879	25.0
Benzene, 1-ethy...	13.786	8.9	ug/L	35497	3	13.560	99879	25.0
Benzene, 1-meth...	13.944	2.1	ug/L	8373	3	13.560	99879	25.0
Benzene, 4-ethy...	14.005	4.9	ug/L	19425	3	13.560	99879	25.0
Benzene, 2-ethy...	14.091	6.0	ug/L	23996	3	13.560	99879	25.0
Adamantane	14.255	4.5	ug/L	18137	3	13.560	99879	25.0
unknown-02	14.383	2.6	ug/L	10357	3	13.560	99879	25.0
Benzene, 2-ethy...	14.450	6.4	ug/L	25521	3	13.560	99879	25.0
Benzene, 1-ethy...	14.499	2.3	ug/L	9235	3	13.560	99879	25.0
1H-1,5-Benzodia...	14.536	3.5	ug/L	14081	3	13.560	99879	25.0
(DEL) Alkane: S...	14.719	4.4	ug/L	17601	3	13.560	99879	25.0
Benzene, 1,2,4,...	14.786	13.7	ug/L	54852	3	13.560	99879	25.0
Naphthalene, 1,...	14.956	1.3	ug/L	5042	3	13.560	99879	25.0
Benzene, 2,4-di...	15.060	2.0	ug/L	8133	3	13.560	99879	25.0
Bicyclo[4.2.0]o...	15.170	3.3	ug/L	13228	3	13.560	99879	25.0
unknown-03	15.316	1.6	ug/L	6427	3	13.560	99879	25.0
Azulene	15.359	3.8	ug/L	15104	3	13.560	99879	25.0
(DEL) Alkane: S...	15.548	2.4	ug/L	9511	3	13.560	99879	25.0
Benzocyclohepta...	16.432	1.9	ug/L	7478	3	13.560	99879	25.0
Naphthalene, 1-...	16.639	1.6	ug/L	6568	3	13.560	99879	25.0