

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021327.D
 Acq On : 11 Dec 2021 15:17
 Operator : SY/VA
 Sample : M5062-04
 Misc : 6.52g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL03

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: VW021327.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	80	rVB	37190	60182	0.17%	0.088%
2	2.879	153	160	170	rBV	23893	52008	0.14%	0.076%
3	3.440	245	252	262	rVB2	7793	17308	0.05%	0.025%
4	3.806	309	312	315	rBV	233	247	0.00%	0.000%
5	4.038	336	350	379	rBV2	320972	1086277	2.99%	1.589%
6	4.641	447	449	450	rBV	224	171	0.00%	0.000%
7	4.909	484	493	510	rVB2	5970	20108	0.06%	0.029%
8	5.074	518	520	524	rBV	244	293	0.00%	0.000%
9	5.854	645	648	649	rBV	160	188	0.00%	0.000%
10	5.927	658	660	668	rVB5	681	1529	0.00%	0.002%
11	6.129	691	693	694	rBV2	200	177	0.00%	0.000%
12	6.214	695	707	722	rVB	191494	574737	1.58%	0.841%
13	6.458	746	747	748	rBV	441	276	0.00%	0.000%
14	6.531	757	759	762	rBV	223	226	0.00%	0.000%
15	6.561	762	764	768	rVV	123	173	0.00%	0.000%
16	6.629	773	775	777	rVV2	227	171	0.00%	0.000%
17	7.080	841	849	858	rBV	8796	24694	0.07%	0.036%
18	7.256	874	878	886	rVB2	1647	3302	0.01%	0.005%
19	7.573	929	930	933	rBV	228	218	0.00%	0.000%
20	7.653	933	943	954	rVB	59220	147518	0.41%	0.216%
21	7.872	966	979	1001	rBV	10271527	24184564	66.65%	35.382%
22	8.275	1036	1045	1060	rBV2	106889	317810	0.88%	0.465%
23	8.671	1109	1110	1113	rBV	227	269	0.00%	0.000%
24	8.842	1130	1138	1149	rBV	102996	200600	0.55%	0.293%
25	9.024	1164	1168	1170	rBV3	202	324	0.00%	0.000%
26	9.091	1170	1179	1193	rBV	1544856	2833848	7.81%	4.146%
27	9.274	1201	1209	1218	rBV	74201	148329	0.41%	0.217%
28	9.549	1252	1254	1256	rBV	216	209	0.00%	0.000%
29	9.604	1261	1263	1264	rBV	178	165	0.00%	0.000%
30	9.652	1269	1271	1277	rVV2	232	379	0.00%	0.001%
31	9.726	1277	1283	1292	rVB2	6107	11804	0.03%	0.017%
32	9.847	1301	1303	1305	rBV	224	219	0.00%	0.000%
33	9.896	1305	1311	1315	rVB4	1276	2485	0.01%	0.004%
34	9.969	1320	1323	1325	rBV	270	328	0.00%	0.000%
35	10.036	1326	1334	1343	rVB2	43111	80325	0.22%	0.118%
36	10.201	1359	1361	1364	rBV2	235	209	0.00%	0.000%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021327.D
 Acq On : 11 Dec 2021 15:17
 Operator : SY/VA
 Sample : M5062-04
 Misc : 6.52g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL03

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

37	10.250	1364	1369	1373	rVB2	679	936	0.00%	0.001%
38	10.323	1373	1381	1386	rBV	167330	290578	0.80%	0.425%
39	10.384	1386	1391	1404	rVB	461402	798168	2.20%	1.168%
40	10.500	1406	1410	1414	rVB4	710	1105	0.00%	0.002%
41	10.579	1416	1423	1433	rVB	29705	50192	0.14%	0.073%
42	10.670	1435	1438	1439	rBV2	183	177	0.00%	0.000%
43	10.707	1439	1444	1447	rBV	2023	3085	0.01%	0.005%
44	10.792	1451	1458	1461	rBV	11799	19799	0.05%	0.029%
45	10.866	1461	1470	1478	rBV3	17148303	36284786	100.00%	53.084%
46	11.286	1530	1539	1545	rBV2	25521	44783	0.12%	0.066%
47	11.390	1555	1556	1559	rVB	225	169	0.00%	0.000%
48	11.445	1563	1565	1568	rBV	220	267	0.00%	0.000%
49	11.628	1588	1595	1602	rBV	158000	261538	0.72%	0.383%
50	11.725	1607	1611	1619	rVB	3767	6242	0.02%	0.009%
51	11.829	1623	1628	1635	rBV	20312	35663	0.10%	0.052%
52	11.957	1645	1649	1650	rBV	213	251	0.00%	0.000%
53	12.164	1676	1683	1690	rVB2	10893	19690	0.05%	0.029%
54	12.231	1692	1694	1697	rVB2	258	200	0.00%	0.000%
55	12.457	1728	1731	1732	rBV	395	429	0.00%	0.001%
56	12.524	1737	1742	1746	rBV3	2179	3112	0.01%	0.005%
57	12.603	1749	1755	1762	rBV4	3807	6888	0.02%	0.010%
58	12.688	1762	1769	1777	rBV	65543	111910	0.31%	0.164%
59	12.755	1777	1780	1783	rVB4	865	1155	0.00%	0.002%
60	12.804	1783	1788	1794	rVB3	1850	2896	0.01%	0.004%
61	12.865	1794	1798	1801	rBV	3034	5290	0.01%	0.008%
62	12.938	1807	1810	1815	rVB2	2823	3668	0.01%	0.005%
63	12.993	1817	1819	1822	rVB3	270	242	0.00%	0.000%
64	13.103	1832	1837	1843	rVB2	1492	2191	0.01%	0.003%
65	13.152	1843	1845	1848	rBV3	144	207	0.00%	0.000%
66	13.188	1848	1851	1854	rBV2	566	823	0.00%	0.001%
67	13.249	1856	1861	1867	rBV	7664	11313	0.03%	0.017%
68	13.347	1870	1877	1882	rBV4	13319	28660	0.08%	0.042%
69	13.450	1890	1894	1896	rBV	301	418	0.00%	0.001%
70	13.493	1898	1901	1905	rVV3	500	821	0.00%	0.001%
71	13.554	1905	1911	1921	rVV	188280	302042	0.83%	0.442%
72	13.646	1923	1926	1933	rVB2	2578	4127	0.01%	0.006%
73	13.755	1939	1944	1948	rBV4	4448	7007	0.02%	0.010%
74	13.853	1952	1960	1970	rVB	154551	256339	0.71%	0.375%
75	14.005	1982	1985	1988	rBV2	341	596	0.00%	0.001%
76	14.200	2014	2017	2019	rBV2	300	425	0.00%	0.001%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021327.D
 Acq On : 11 Dec 2021 15:17
 Operator : SY/VA
 Sample : M5062-04
 Misc : 6.52g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL03

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

77	14.328	2034	2038	2041	rVV4	890	1399	0.00%	0.002%
78	14.359	2041	2043	2046	rVV2	245	239	0.00%	0.000%
79	14.414	2049	2052	2056	rVB3	382	590	0.00%	0.001%
80	14.450	2056	2058	2065	rBV3	343	730	0.00%	0.001%
81	14.499	2065	2066	2069	rBV2	250	310	0.00%	0.000%
82	14.578	2073	2079	2082	rBV2	162	357	0.00%	0.001%
83	14.639	2085	2089	2091	rBV	192	232	0.00%	0.000%
84	14.682	2094	2096	2099	rBV2	168	237	0.00%	0.000%
85	14.828	2119	2120	2123	rVB2	224	176	0.00%	0.000%
86	14.950	2137	2140	2143	rBV2	183	221	0.00%	0.000%
87	15.121	2165	2168	2174	rVV3	426	637	0.00%	0.001%
88	15.249	2187	2189	2192	rBV2	148	173	0.00%	0.000%
89	15.365	2201	2208	2213	rBV	3230	5660	0.02%	0.008%
90	15.432	2218	2219	2222	rVB2	436	340	0.00%	0.000%
91	15.651	2254	2255	2259	rBV	278	243	0.00%	0.000%
92	15.883	2290	2293	2297	rVB2	181	264	0.00%	0.000%
93	15.913	2297	2298	2302	rVB	193	191	0.00%	0.000%
94	15.981	2305	2309	2311	rVV	260	244	0.00%	0.000%
95	16.096	2327	2328	2330	rBV	182	162	0.00%	0.000%
96	16.383	2373	2375	2378	rBV2	218	241	0.00%	0.000%
97	16.419	2380	2381	2382	rBV	381	251	0.00%	0.000%
98	16.480	2390	2391	2393	rBV	249	171	0.00%	0.000%
99	16.639	2414	2417	2419	rBV	386	394	0.00%	0.001%
100	16.724	2428	2431	2434	rBV3	225	346	0.00%	0.001%

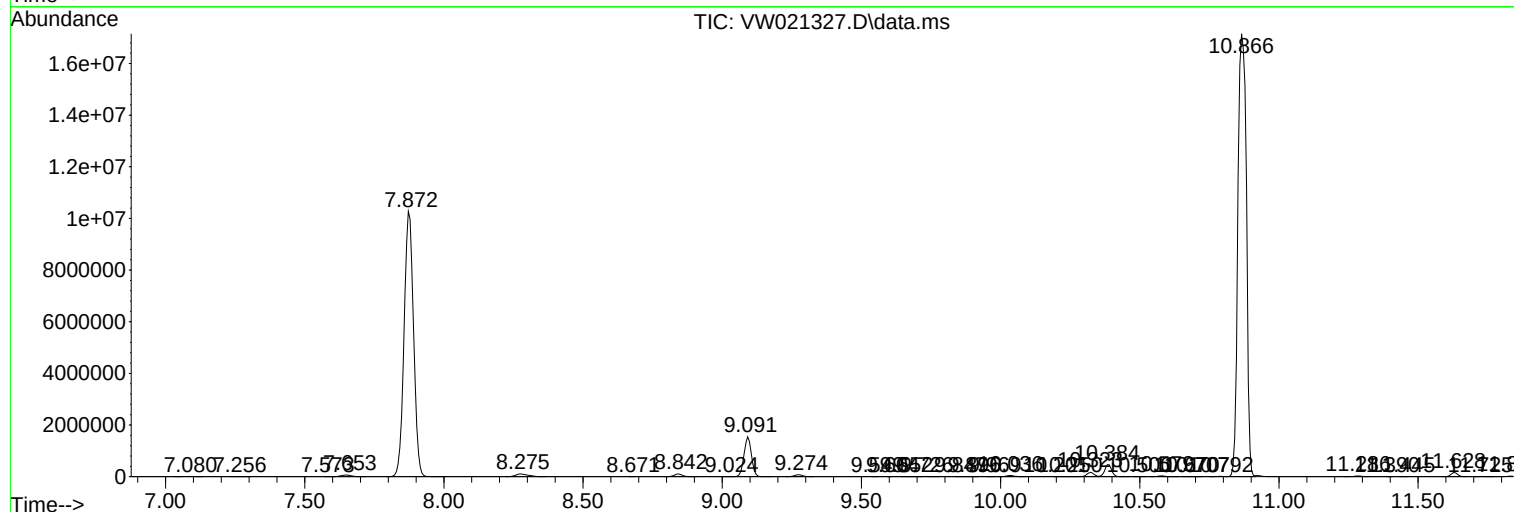
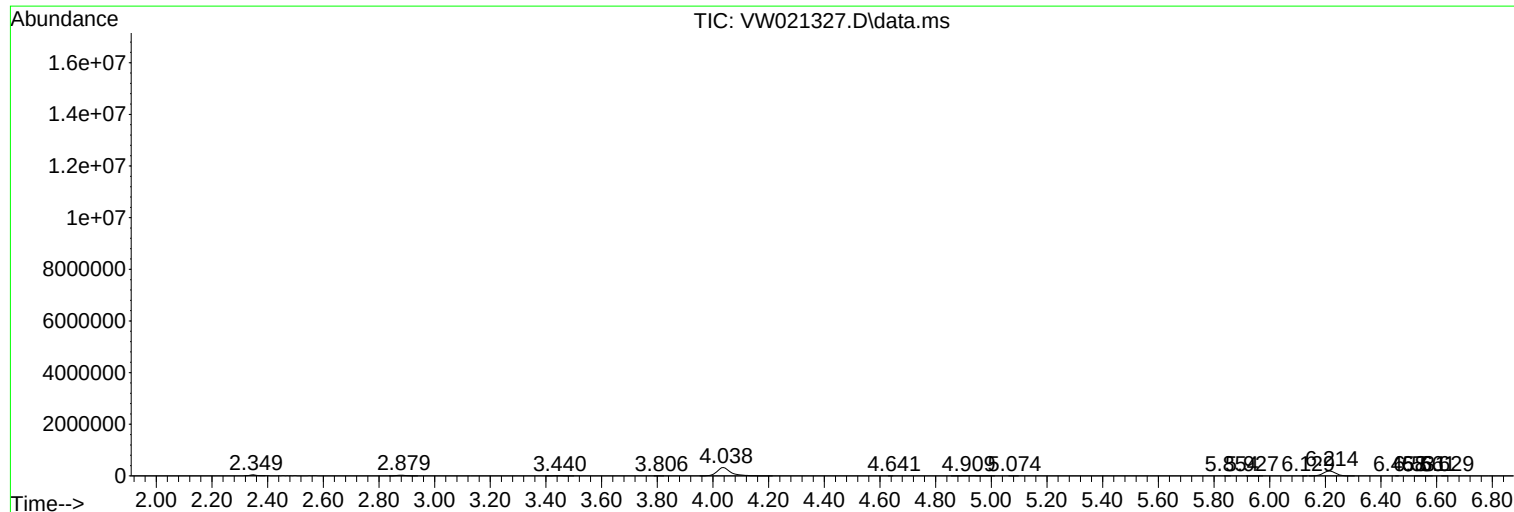
Sum of corrected areas: 68353666

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL03

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL03

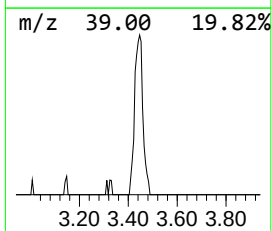
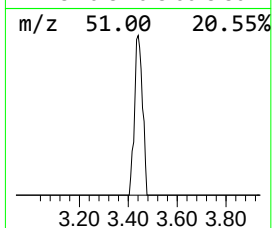
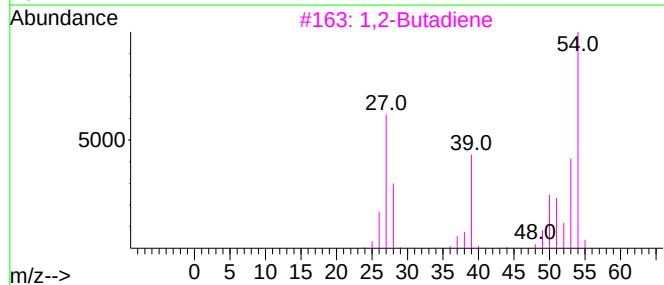
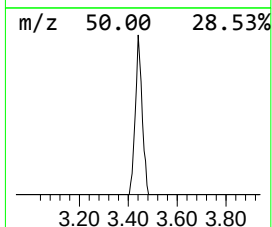
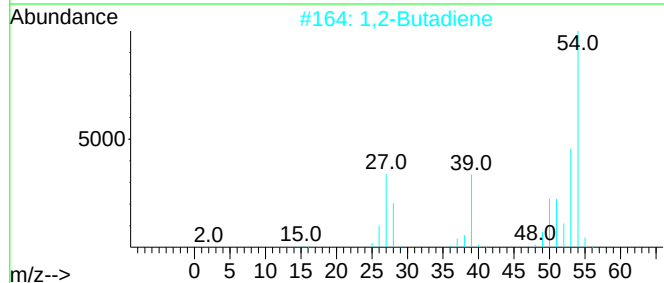
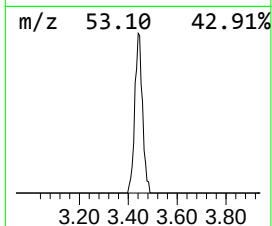
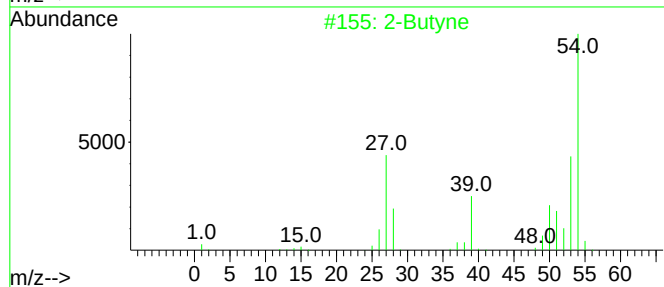
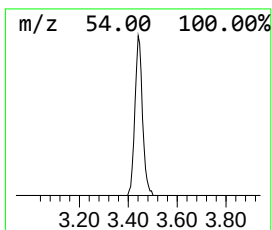
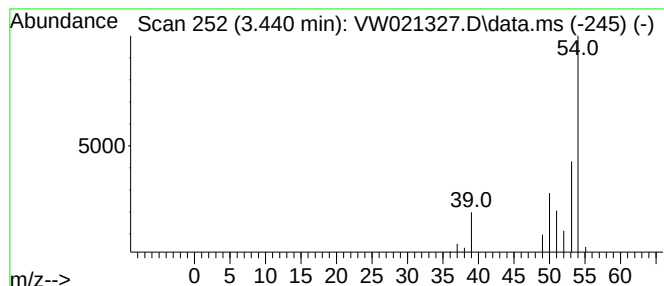
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 2-Butyne Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.440	2.16 ug/L	17308	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne		54	C4H6	000503-17-3	86
2	1,2-Butadiene		54	C4H6	000590-19-2	78
3	1,2-Butadiene		54	C4H6	000590-19-2	78
4	1,2-Butadiene		54	C4H6	000590-19-2	78
5	2-Butyne		54	C4H6	000503-17-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL03

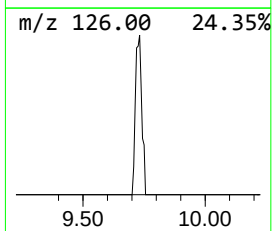
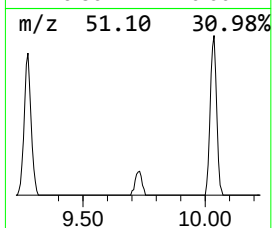
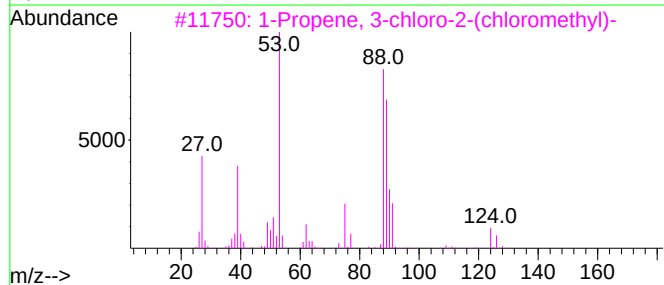
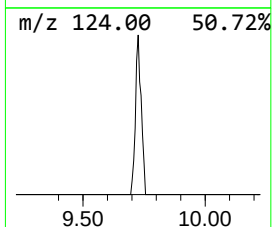
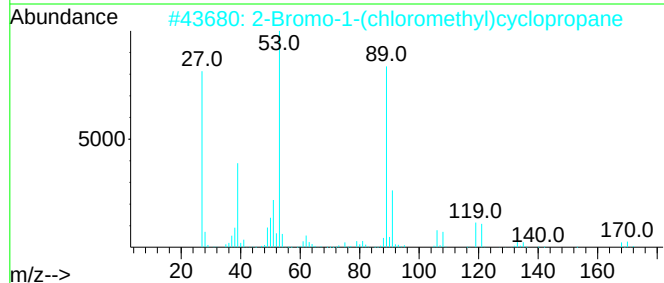
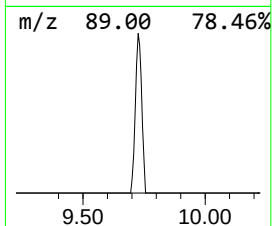
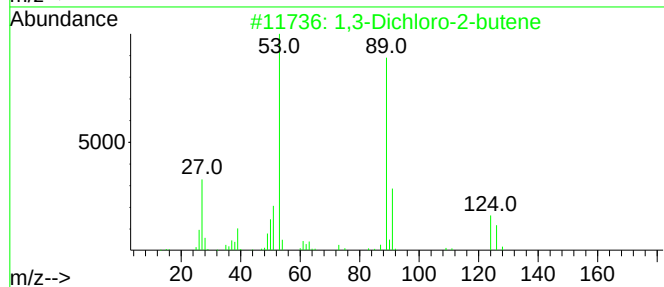
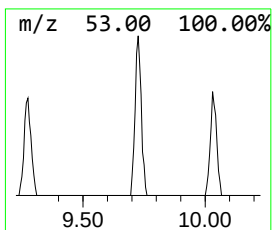
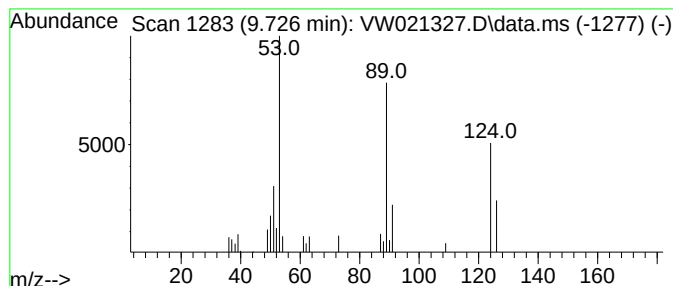
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 1,3-Dichloro-2-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.726	1.47 ug/L	11804	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dichloro-2-butene	124	C4H6Cl2	000926-57-8	78
2			2-Bromo-1-(chloromethyl)cyclopro...	168	C4H6BrCl	1000222-15-8	64
3			1-Propene, 3-chloro-2-(chloromet...	124	C4H6Cl2	001871-57-4	43
4			1-Butyne, 3-chloro-	88	C4H5Cl	021020-24-6	25
5			1,3-Butadiene, 2-chloro-	88	C4H5Cl	000126-99-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

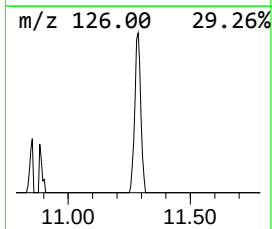
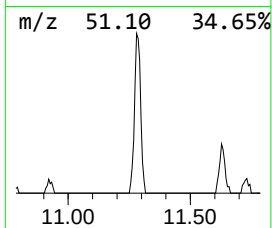
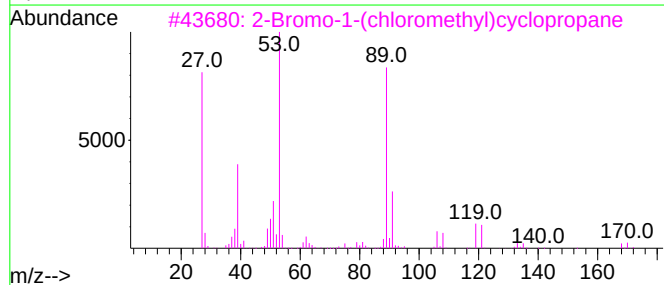
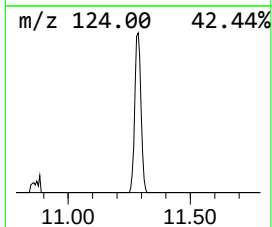
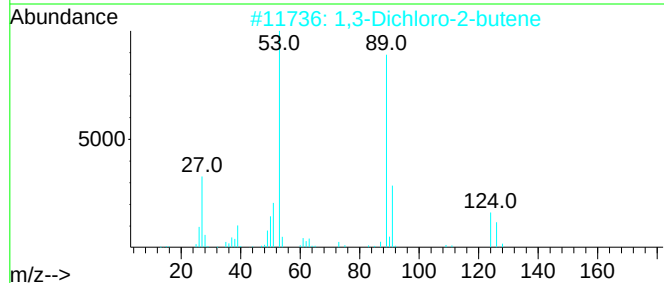
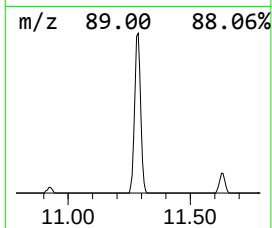
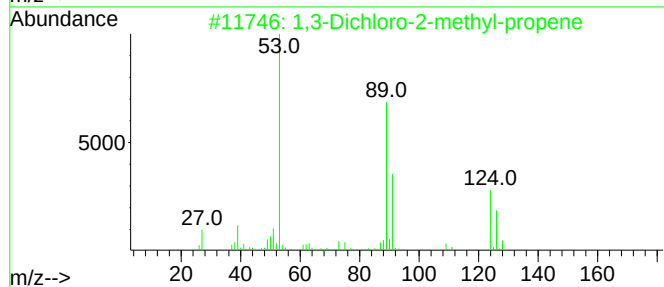
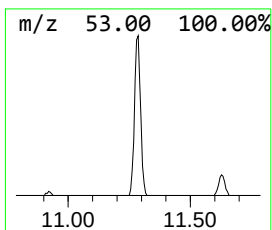
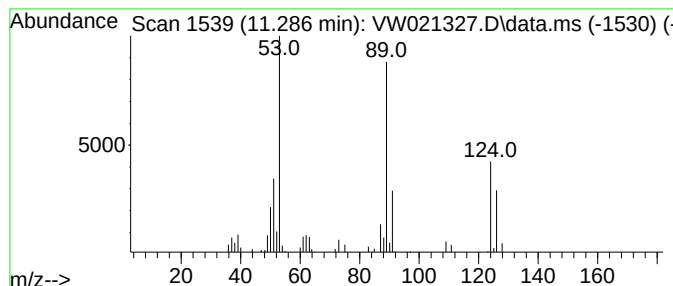
Instrument :
MSVOA_W
ClientSampleId :
BGL03

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 5 1,3-Dichloro-2-methyl-propene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.286	4.28 ug/L	44783	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,3-Dichloro-2-methyl-propene		124	C4H6Cl2	1000194-02-2	91
2	1,3-Dichloro-2-butene		124	C4H6Cl2	000926-57-8	78
3	2-Bromo-1-(chloromethyl)cyclopro...		168	C4H6BrCl	1000222-15-8	72
4	1,3-Dichloro-2-butene		124	C4H6Cl2	000926-57-8	56
5	1-Butyne, 3-methyl-		68	C5H8	000598-23-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL03

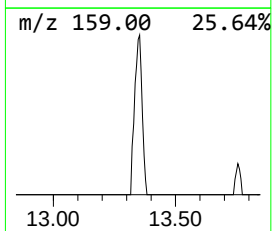
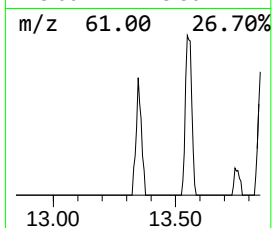
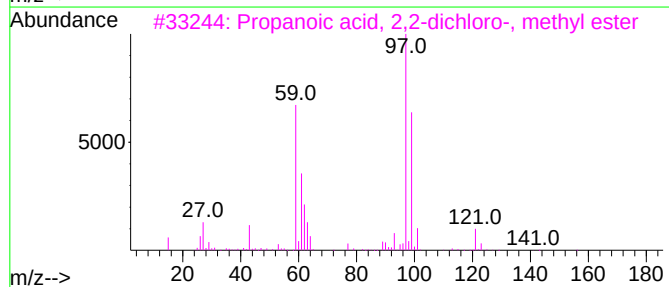
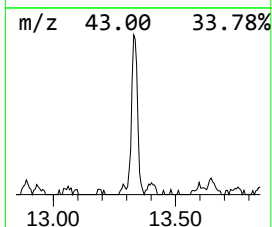
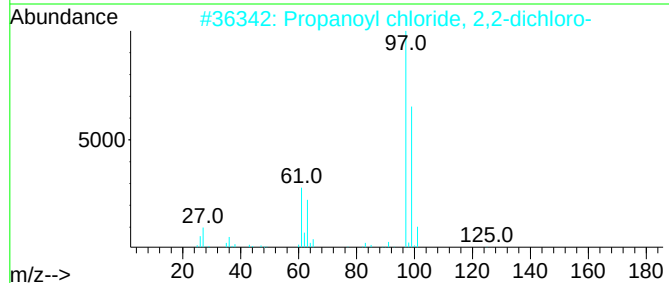
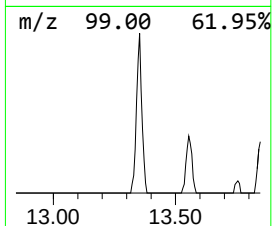
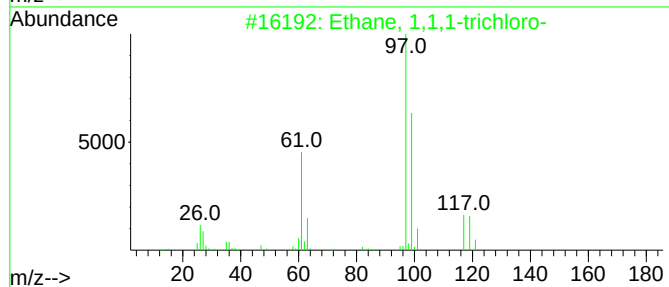
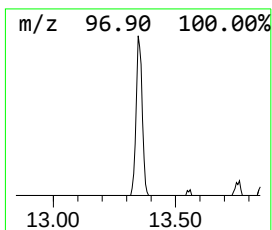
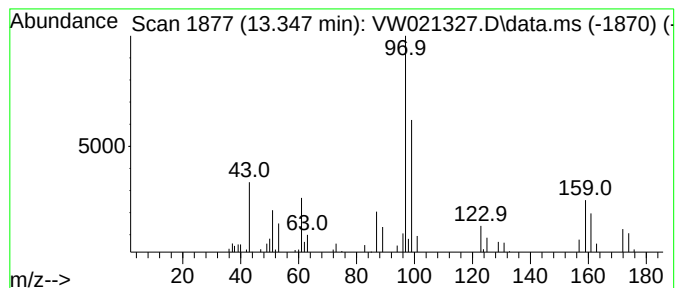
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.347	2.37 ug/L	28660	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1,1,1-trichloro-	132	C2H3Cl3	000071-55-6	47
2			Propanoyl chloride, 2,2-dichloro-	160	C3H3Cl3O	026073-26-7	47
3			Propanoic acid, 2,2-dichloro-, m...	156	C4H6Cl2O2	017640-02-7	43
4			Ethane, 1,1,1-trichloro-	132	C2H3Cl3	000071-55-6	37
5			Propane, 1,2,2-trichloro-	146	C3H5Cl3	003175-23-3	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021327.D
Acq On : 11 Dec 2021 15:17
Operator : SY/VA
Sample : M5062-04
Misc : 6.52g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL03

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Butyne	3.440	2.2	ug/L	17308	1	8.842	200600	25.0
1,3-Dichloro-2-...	9.726	1.5	ug/L	11804	1	8.842	200600	25.0
1,3-Dichloro-2-...	11.286	4.3	ug/L	44783	2	11.628	261538	25.0
unknown-01	13.347	2.4	ug/L	28660	3	13.554	302042	25.0