

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006976.D
 Acq On : 06 Dec 2021 22:48
 Operator : SY/MD
 Sample : M4887-22
 Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EX8D4

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_Y\methods\SFAMYL120321SMA.M
 Title : VOC Analysis

Signal : TIC: VY006976.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	39	43	50	rBV3	2605	4378	1.54%	0.224%
2	2.247	64	70	80	rVB	28415	48729	17.11%	2.497%
3	2.692	138	143	147	rVV	5530	9899	3.48%	0.507%
4	2.766	149	155	165	rVB	18462	44458	15.61%	2.278%
5	2.912	173	179	187	rVB5	2050	5489	1.93%	0.281%
6	3.125	212	214	217	rVB2	306	343	0.12%	0.018%
7	3.259	230	236	241	rVB4	853	2046	0.72%	0.105%
8	3.351	248	251	253	rBV	506	508	0.18%	0.026%
9	3.491	270	274	277	rVB3	377	412	0.14%	0.021%
10	3.704	306	309	312	rVB2	215	329	0.12%	0.017%
11	3.747	312	316	319	rBV2	358	417	0.15%	0.021%
12	3.851	323	333	343	rBV	27239	81437	28.59%	4.173%
13	4.186	380	388	390	rBV3	2031	3582	1.26%	0.184%
14	4.418	419	426	430	rVV4	1078	2432	0.85%	0.125%
15	4.454	430	432	433	rVV3	826	737	0.26%	0.038%
16	4.473	433	435	438	rVV2	833	948	0.33%	0.049%
17	4.716	462	475	489	rBV2	14768	49065	17.23%	2.514%
18	4.930	501	510	511	rBV4	583	1377	0.48%	0.071%
19	5.235	554	560	562	rBV2	227	407	0.14%	0.021%
20	5.411	587	589	592	rBV3	367	467	0.16%	0.024%
21	5.552	608	612	614	rBV	218	348	0.12%	0.018%
22	5.728	637	641	642	rVV	1097	1028	0.36%	0.053%
23	5.747	642	644	654	rVB4	1294	2500	0.88%	0.128%
24	6.003	683	686	691	rBV2	212	413	0.15%	0.021%
25	6.094	698	701	707	rVB3	204	354	0.12%	0.018%
26	6.753	806	809	810	rBV2	453	346	0.12%	0.018%
27	6.789	810	815	822	rVB7	790	1907	0.67%	0.098%
28	6.887	822	831	837	rBV2	7531	22901	8.04%	1.173%
29	6.972	839	845	855	rVB3	10975	34732	12.20%	1.780%
30	7.131	870	871	875	rVB2	366	420	0.15%	0.022%
31	7.246	889	890	893	rVB3	446	431	0.15%	0.022%
32	7.283	893	896	897	rVV2	375	327	0.11%	0.017%
33	7.478	913	928	940	rBV	52372	127780	44.87%	6.548%
34	7.777	975	977	984	rVB2	573	732	0.26%	0.038%
35	7.929	998	1002	1004	rBV3	327	472	0.17%	0.024%
36	8.112	1022	1032	1046	rVV3	93054	284798	100.00%	14.594%

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 Title : VOC Analysis

37	8.234	1046	1052	1060	rVV2	8170	17417	6.12%	0.892%
38	8.307	1060	1064	1065	rVB	323	320	0.11%	0.016%
39	8.338	1065	1069	1072	rBV3	181	334	0.12%	0.017%
40	8.557	1101	1105	1110	rVB3	256	540	0.19%	0.028%
41	8.685	1118	1126	1137	rVB	56800	112515	39.51%	5.766%
42	8.935	1160	1167	1175	rVB	64878	125953	44.23%	6.454%
43	9.063	1184	1188	1189	rVV2	409	537	0.19%	0.028%
44	9.118	1189	1197	1206	rVV	75098	149636	52.54%	7.668%
45	9.185	1206	1208	1211	rVV2	1253	1363	0.48%	0.070%
46	9.661	1285	1286	1288	rVB	583	354	0.12%	0.018%
47	9.886	1317	1323	1331	rBV	23863	40491	14.22%	2.075%
48	9.984	1333	1339	1347	rVB4	969	1779	0.62%	0.091%
49	10.063	1347	1352	1356	rBV4	1097	1695	0.60%	0.087%
50	10.106	1357	1359	1361	rVB	392	347	0.12%	0.018%
51	10.179	1362	1371	1377	rBV	81205	140485	49.33%	7.199%
52	10.240	1377	1381	1389	rVB	14676	24428	8.58%	1.252%
53	10.325	1393	1395	1399	rVB2	350	494	0.17%	0.025%
54	10.435	1405	1413	1421	rVB	11967	20946	7.35%	1.073%
55	10.575	1429	1436	1443	rBV	18511	31543	11.08%	1.616%
56	10.636	1444	1446	1450	rVB3	647	699	0.25%	0.036%
57	10.715	1454	1459	1464	rVB4	4915	7900	2.77%	0.405%
58	10.789	1464	1471	1483	rBV3	19032	36754	12.91%	1.883%
59	10.874	1483	1485	1490	rVB3	431	556	0.20%	0.028%
60	10.947	1490	1497	1506	rBV	21225	36085	12.67%	1.849%
61	11.038	1510	1512	1514	rBV2	402	373	0.13%	0.019%
62	11.112	1522	1524	1527	rBV	279	376	0.13%	0.019%
63	11.136	1527	1528	1531	rVV2	362	312	0.11%	0.016%
64	11.209	1537	1540	1543	rBV	365	373	0.13%	0.019%
65	11.276	1547	1551	1552	rBV3	375	517	0.18%	0.026%
66	11.313	1552	1557	1566	rVB	15488	26537	9.32%	1.360%
67	11.490	1579	1586	1593	rBV	55200	89443	31.41%	4.583%
68	11.587	1597	1602	1609	rBV4	1202	2669	0.94%	0.137%
69	11.697	1615	1620	1625	rVV2	2273	3412	1.20%	0.175%
70	12.020	1669	1673	1679	rBV4	1993	3236	1.14%	0.166%
71	12.325	1721	1723	1728	rVB	637	825	0.29%	0.042%
72	12.489	1741	1750	1756	rBV	54811	95453	33.52%	4.891%
73	12.556	1756	1761	1769	rVV	53681	83220	29.22%	4.264%
74	12.630	1769	1773	1778	rVV4	665	1441	0.51%	0.074%
75	12.666	1778	1779	1782	rVV	516	319	0.11%	0.016%
76	12.819	1799	1804	1811	rVB2	9295	14833	5.21%	0.760%

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 Title : VOC Analysis

77	12.934	1819	1823	1825	rBV3	366	553	0.19%	0.028%
78	13.014	1831	1836	1837	rBV2	333	507	0.18%	0.026%
79	13.062	1840	1844	1849	rBV4	1568	2825	0.99%	0.145%
80	13.178	1859	1863	1869	rVB2	4623	7407	2.60%	0.380%
81	13.282	1875	1880	1884	rVB5	1027	2109	0.74%	0.108%
82	13.422	1897	1903	1908	rBV	23047	36973	12.98%	1.895%
83	13.483	1910	1913	1918	rVV4	1702	2540	0.89%	0.130%
84	13.526	1918	1920	1923	rVB3	1079	1091	0.38%	0.056%
85	13.556	1923	1925	1927	rVB3	360	358	0.13%	0.018%
86	13.587	1927	1930	1932	rBV3	415	356	0.13%	0.018%
87	13.642	1935	1939	1941	rVV4	1143	1471	0.52%	0.075%
88	13.666	1941	1943	1945	rVV2	517	386	0.14%	0.020%
89	13.721	1947	1952	1958	rVV	21520	34106	11.98%	1.748%
90	13.782	1960	1962	1965	rVB2	519	406	0.14%	0.021%
91	13.867	1974	1976	1977	rVB2	612	341	0.12%	0.017%
92	13.965	1983	1992	1999	rBV	9124	18676	6.56%	0.957%
93	14.123	2016	2018	2021	rBV2	487	441	0.15%	0.023%
94	14.227	2031	2035	2037	rBV4	1263	1932	0.68%	0.099%
95	14.337	2051	2053	2057	rBV4	823	1061	0.37%	0.054%
96	14.581	2091	2093	2095	rBV4	686	643	0.23%	0.033%
97	15.050	2168	2170	2171	rBV2	734	446	0.16%	0.023%
98	15.318	2210	2214	2217	rBV4	2110	2639	0.93%	0.135%
99	15.391	2219	2226	2235	rVB2	10786	20344	7.14%	1.042%
100	16.568	2417	2419	2420	rBV	947	451	0.16%	0.023%

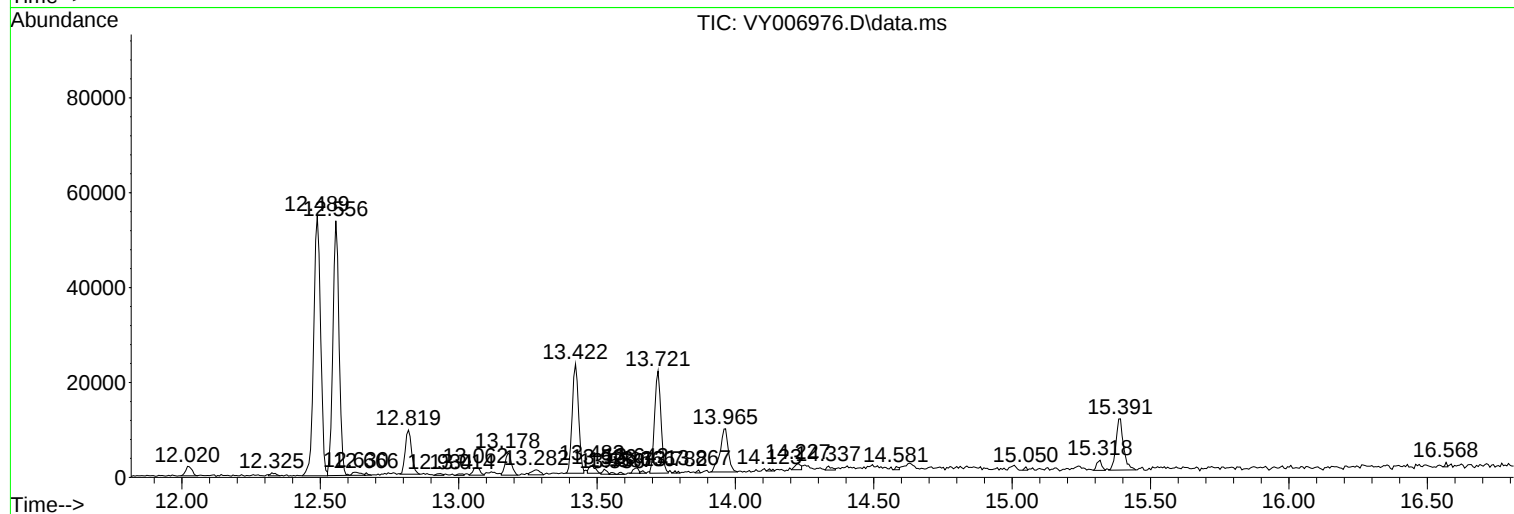
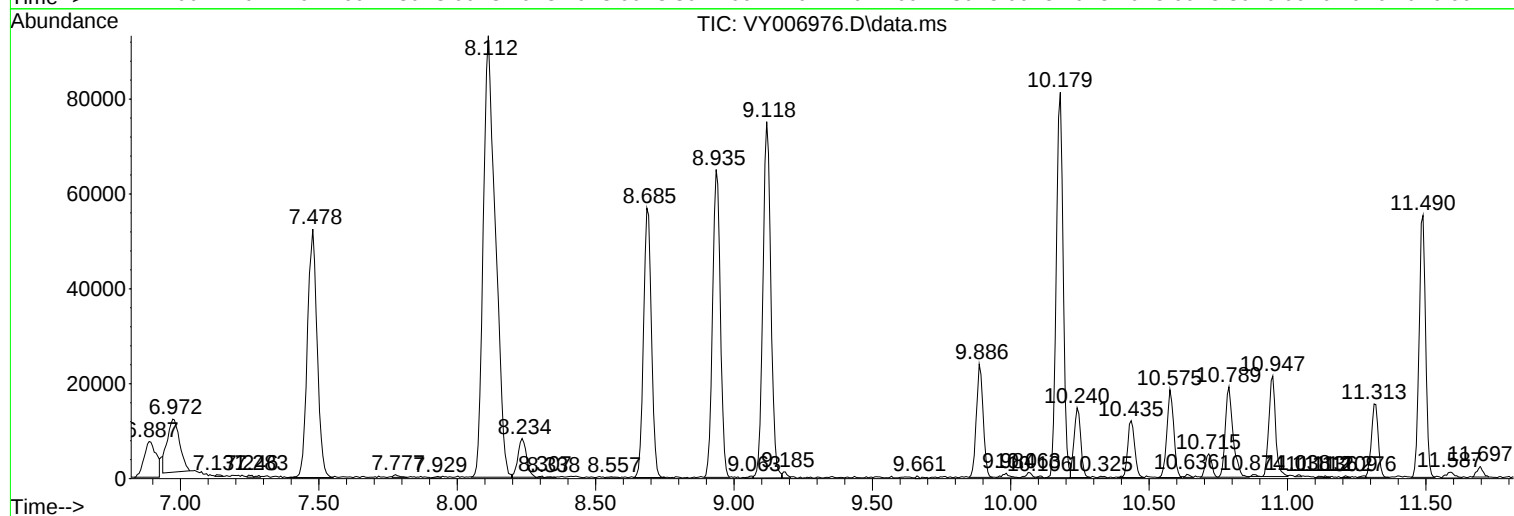
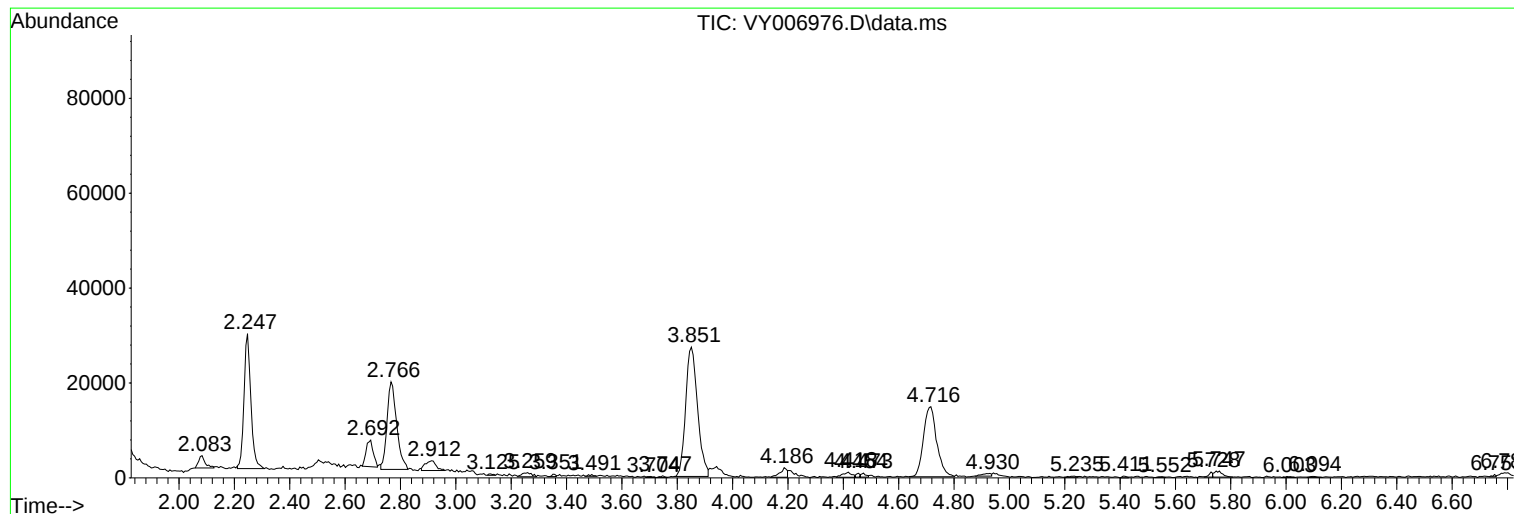
Sum of corrected areas: 1951521

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Instrument :
MSVOA_Y
ClientSampleId :
EX8D4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis

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



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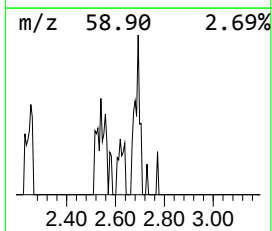
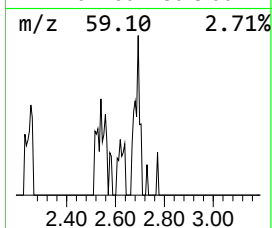
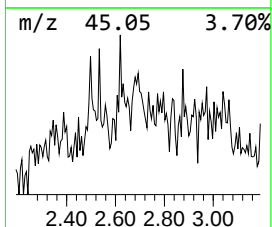
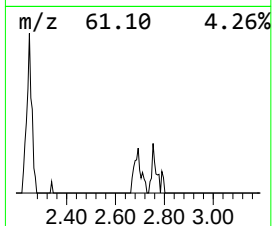
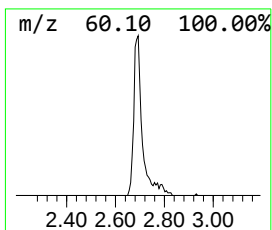
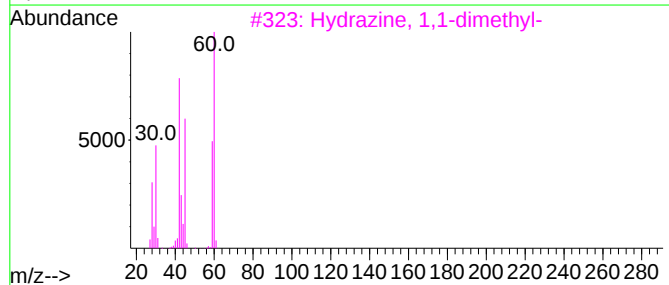
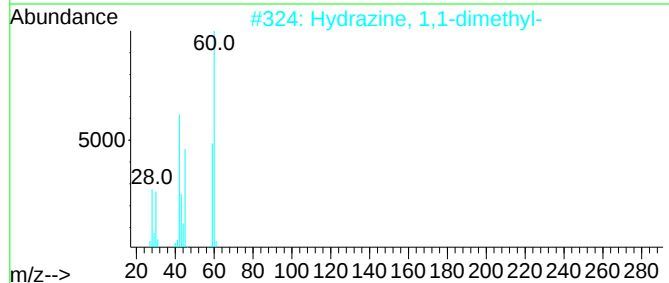
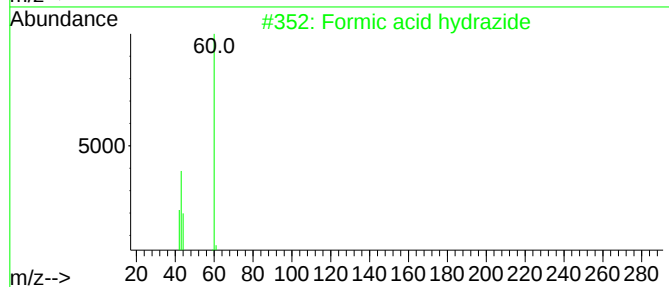
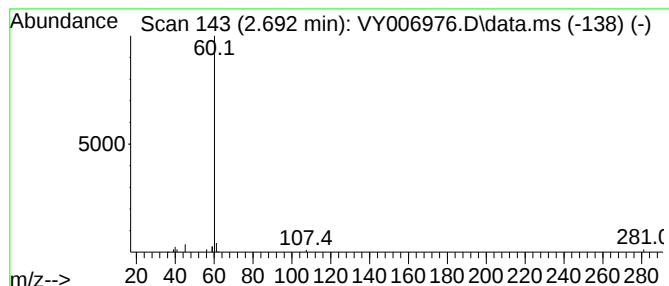
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.692	2.20 ug/L	9899	1,4-Difluorobenzene	8.685

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Formic acid hydrazide	60	CH4N2O	000624-84-0	5
2			Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	5
3			Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	5
4			Methyl formate	60	C2H4O2	000107-31-3	4
5			Urea	60	CH4N2O	000057-13-6	4



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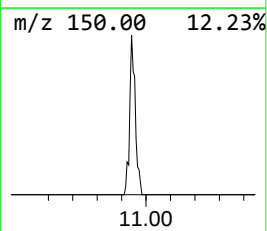
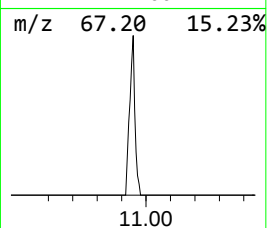
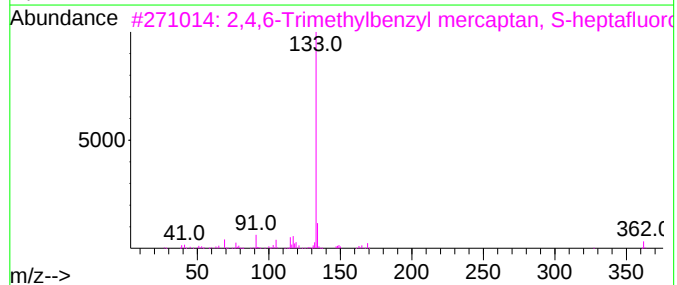
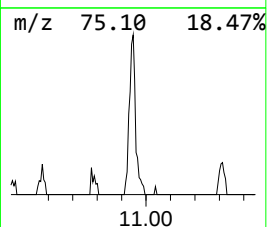
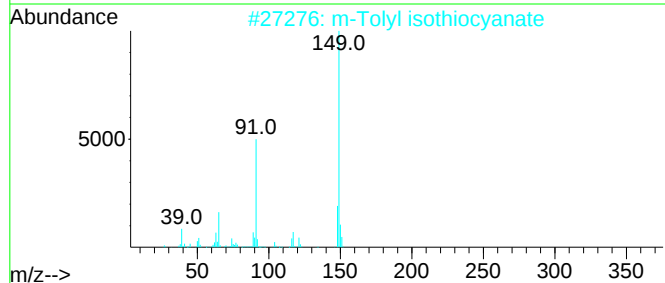
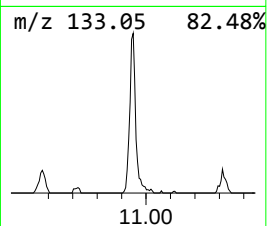
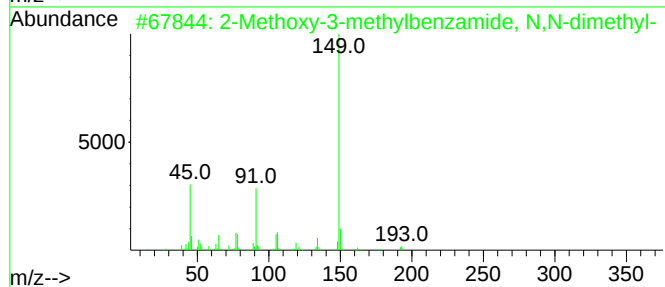
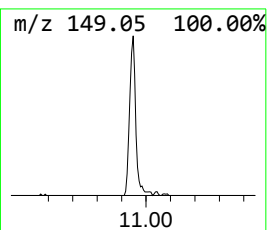
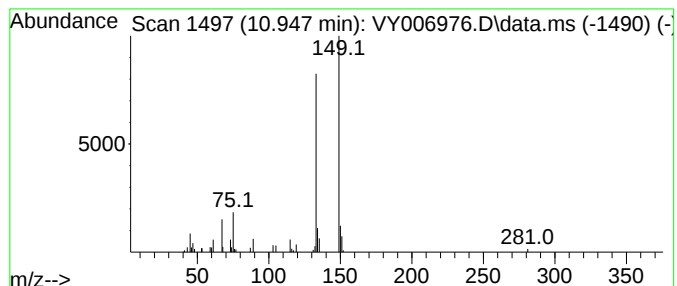
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis

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

Peak Number 5 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.947	10.09 ug/L	36085	Chlorobenzene-d5	11.490

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methoxy-3-methylbenzamide, N,N...	193	C11H15NO2	1369798-01-5	38
2			m-Tolyl isothiocyanate	149	C8H7NS	000621-30-7	35
3			2,4,6-Trimethylbenzyl mercaptan,...	362	C14H13F7OS	1000469-60-5	35
4			1H-Indole-3-thiol	149	C8H7NS	000480-94-4	35
5			4-Ethylbenzoic acid, 3-methylbut...	218	C14H18O2	1000292-54-1	32



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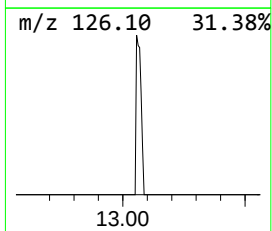
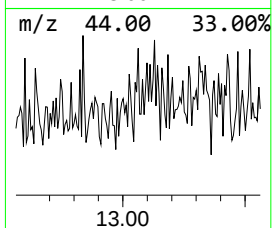
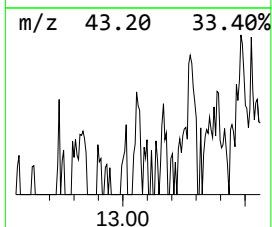
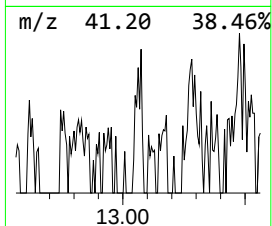
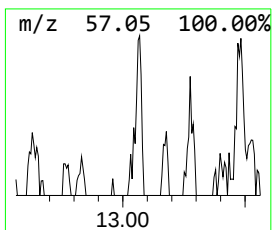
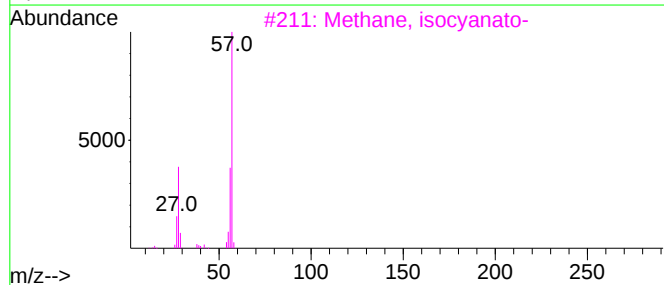
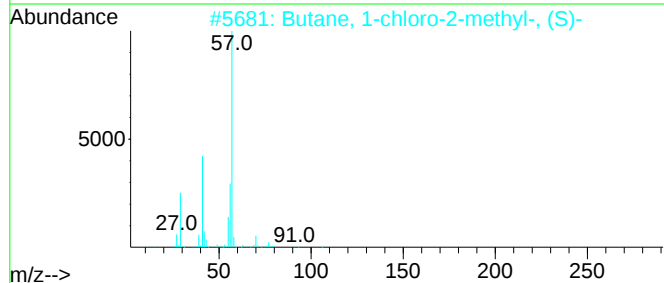
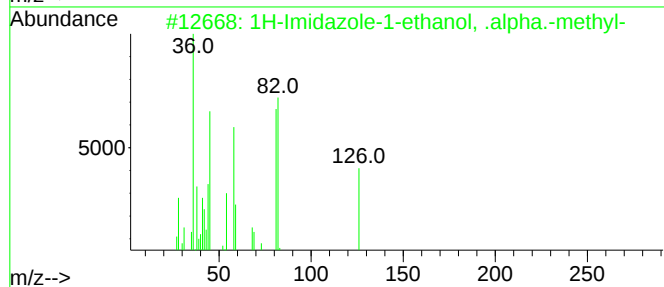
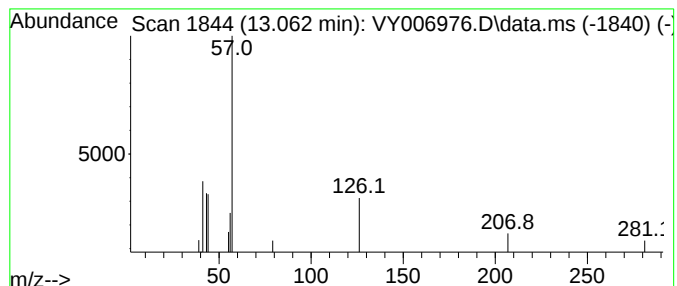
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis

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

Peak Number 9 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	1.91 ug/L	2825	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Imidazole-1-ethanol, .alpha.-...	126	C6H10N2O	037788-55-9	4
2			Butane, 1-chloro-2-methyl-, (S)-	106	C5H11Cl	040560-29-0	4
3			Methane, isocyanato-	57	C2H3NO	000624-83-9	4
4			Hexanoic acid, 3,5,5-trimethyl-,...	284	C18H36O2	1000406-06-0	4
5			Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
Data File : VY006976.D
Acq On : 06 Dec 2021 22:48
Operator : SY/MD
Sample : M4887-22
Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EX8D4

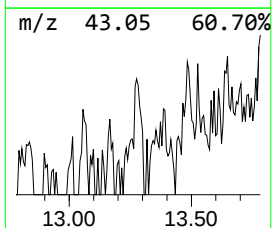
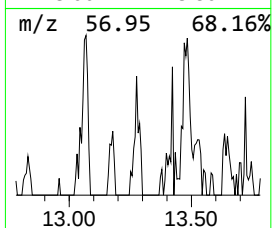
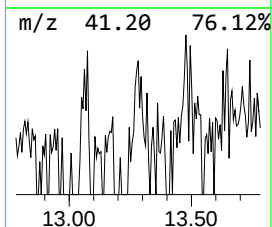
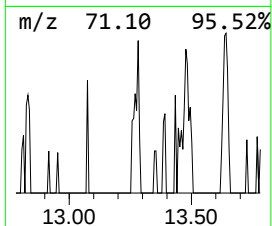
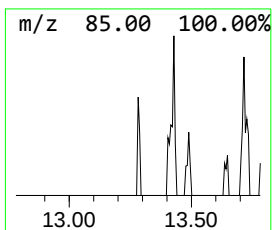
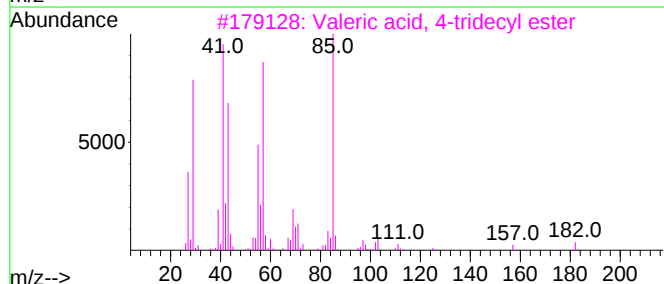
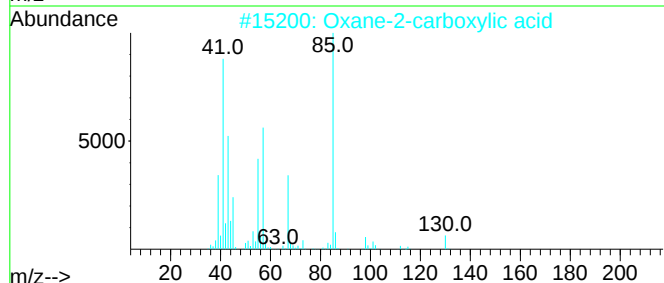
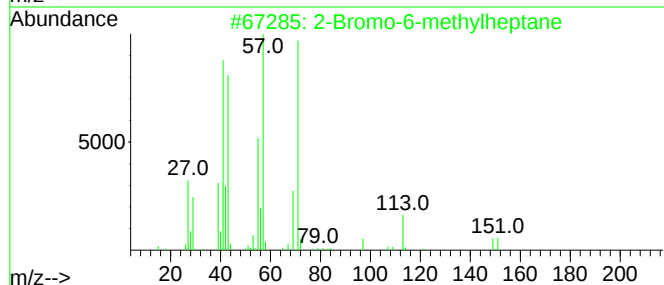
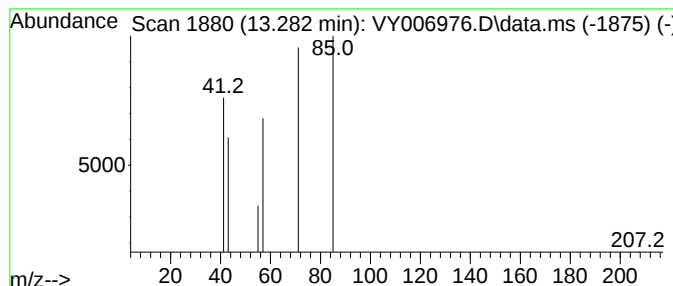
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Quant Title : VOC Analysis

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

Peak Number 11 unknown-04 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.282	1.43 ug/L	2109	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	23
2			Oxane-2-carboxylic acid	130	C6H10O3	105499-32-9	9
3			Valeric acid, 4-tridecyl ester	284	C18H36O2	1000281-99-0	9
4			n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	9
5			Valeric acid, 3-tridecyl ester	284	C18H36O2	1000281-98-9	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
Data File : VY006976.D
Acq On : 06 Dec 2021 22:48
Operator : SY/MD
Sample : M4887-22
Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EX8D4

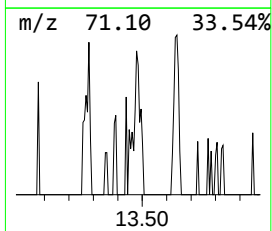
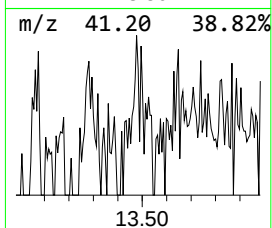
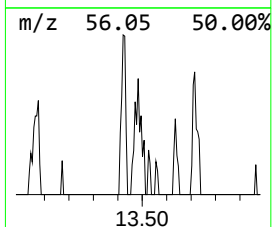
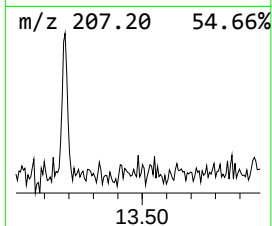
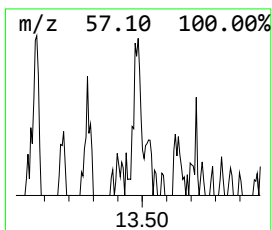
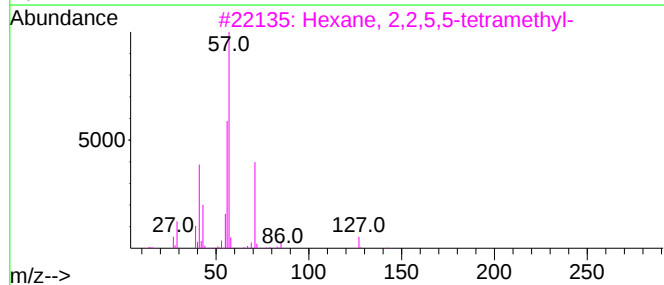
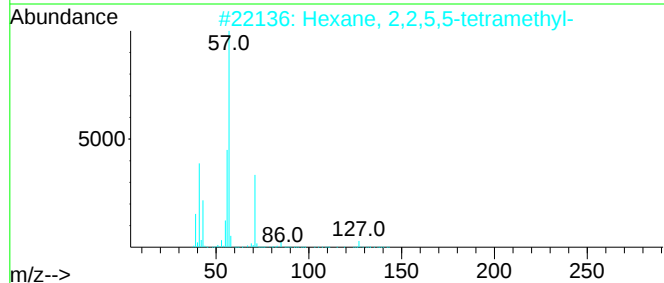
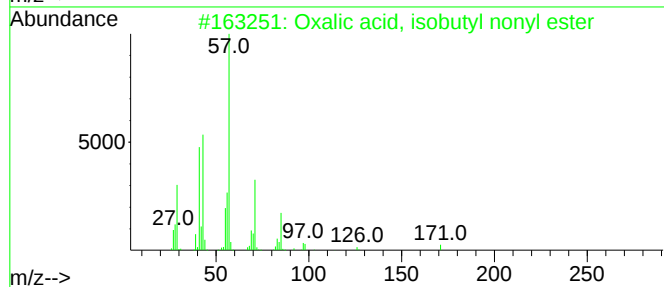
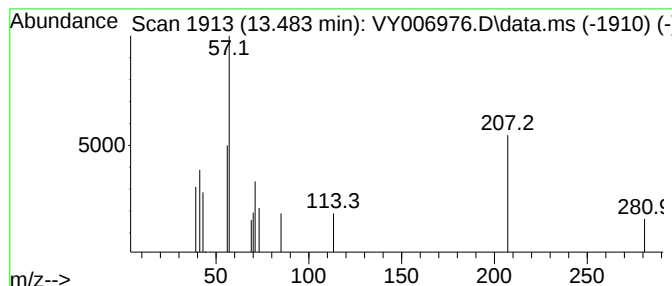
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Quant Title : VOC Analysis

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

Peak Number 12 unknown-05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	1.72 ug/L	2540	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	16
2			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	12
3			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	12
4			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	9
5			Octyl tetracosyl ether	467	C32H66O	1000406-39-0	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
Data File : VY006976.D
Acq On : 06 Dec 2021 22:48
Operator : SY/MD
Sample : M4887-22
Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EX8D4

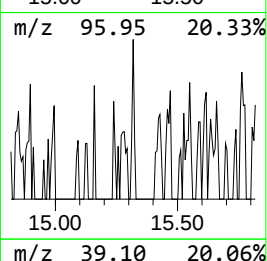
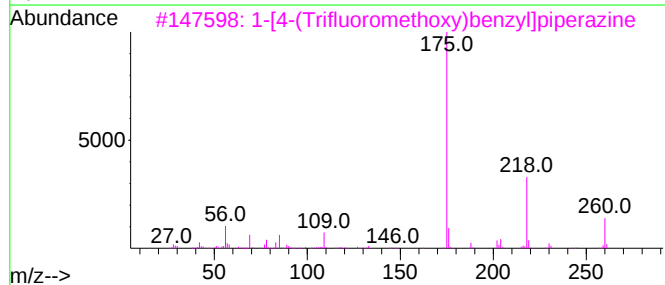
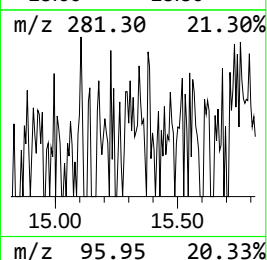
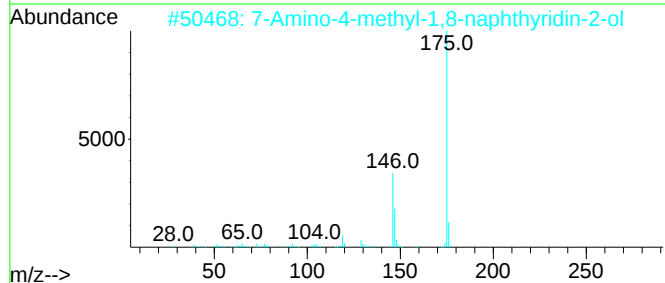
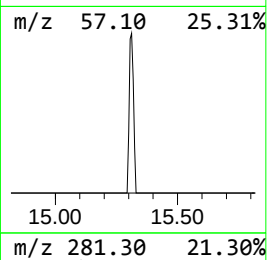
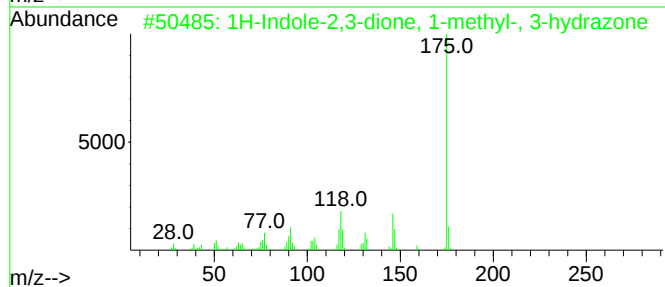
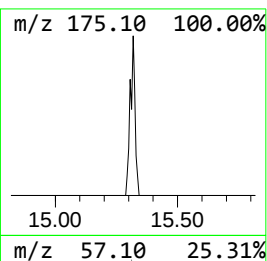
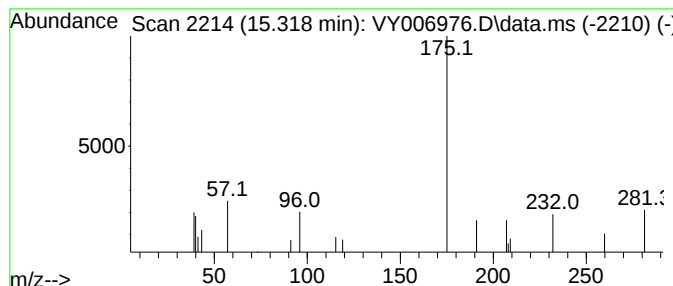
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
Quant Title : VOC Analysis

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

Peak Number 15 unknown-06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	1.78 ug/L	2639	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indole-2,3-dione, 1-methyl-, ...	175	C9H9N3O	003265-23-4	7
2			7-Amino-4-methyl-1,8-naphthyridi...	175	C9H9N3O	001569-15-9	5
3			1-[4-(Trifluoromethoxy)benzyl]pi...	260	C12H15F3N2O	340759-27-5	5
4			1,2,4-Triazolo[3,4-b]benzothiazole	175	C8H5N3S	000247-92-7	4
5			2(1H)-Quinolinone, 4-hydroxy-1-m...	175	C10H9NO2	001677-46-9	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
Data File : VY006976.D
Acq On : 06 Dec 2021 22:48
Operator : SY/MD
Sample : M4887-22
Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EX8D4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	2.692	2.2	ug/L	9899	1	8.685	112515	25.0
unknown-02	10.947	10.1	ug/L	36085	2	11.490	89443	25.0
unknown-03	13.063	1.9	ug/L	2825	3	13.422	36973	25.0
unknown-04	13.282	1.4	ug/L	2109	3	13.422	36973	25.0
unknown-05	13.483	1.7	ug/L	2540	3	13.422	36973	25.0
unknown-06	15.318	1.8	ug/L	2639	3	13.422	36973	25.0