

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010665.D
 Acq On : 03 May 2019 18:35
 Operator : SY/MD
 Sample : K2603-11RE
 Misc : 5.09G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ63RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.216	35	39	54	rVB3	3725	5807	11.12%	1.594%
2	1.322	67	72	80	rVB	6828	6656	12.75%	1.827%
3	1.585	148	154	161	rVB	5290	5268	10.09%	1.446%
4	1.766	208	210	215	rVB	652	430	0.82%	0.118%
5	2.097	309	313	317	rBV3	258	213	0.41%	0.058%
6	2.139	317	326	337	rVV	13118	19228	36.83%	5.278%
7	2.270	364	367	374	rVB2	331	352	0.67%	0.097%
8	2.315	374	381	383	rBV3	669	865	1.66%	0.237%
9	2.389	400	404	406	rBV2	244	201	0.39%	0.055%
10	2.466	421	428	431	rBV2	315	383	0.73%	0.105%
11	2.486	431	434	438	rVV2	266	192	0.37%	0.053%
12	2.544	444	452	460	rVV4	1487	2111	4.04%	0.579%
13	2.592	464	467	471	rVB2	258	196	0.38%	0.054%
14	2.653	483	486	489	rBV2	285	291	0.56%	0.080%
15	2.881	554	557	561	rVB2	339	280	0.54%	0.077%
16	2.904	561	564	566	rBV	280	236	0.45%	0.065%
17	2.991	588	591	600	rVB2	275	321	0.61%	0.088%
18	3.232	663	666	669	rBV2	277	192	0.37%	0.053%
19	3.283	677	682	686	rBV2	258	254	0.49%	0.070%
20	3.331	692	697	700	rBV2	234	264	0.51%	0.072%
21	3.354	700	704	707	rBV2	255	222	0.43%	0.061%
22	3.698	809	811	816	rBV	332	270	0.52%	0.074%
23	3.942	882	887	888	rBV2	846	543	1.04%	0.149%
24	4.293	989	996	1001	rVB2	226	340	0.65%	0.093%
25	4.405	1018	1031	1047	rBV2	9118	22060	42.26%	6.056%
26	4.592	1085	1089	1092	rBV	278	235	0.45%	0.065%
27	4.614	1092	1096	1099	rVV2	219	189	0.36%	0.052%
28	4.814	1152	1158	1161	rBV	256	285	0.55%	0.078%
29	4.929	1190	1194	1200	rBV2	247	318	0.61%	0.087%
30	4.965	1201	1205	1211	rBV2	263	311	0.60%	0.085%
31	5.016	1218	1221	1226	rVB2	242	206	0.39%	0.057%
32	5.045	1226	1230	1233	rVB2	246	229	0.44%	0.063%
33	5.103	1233	1248	1264	rBV2	20609	52206	100.00%	14.331%
34	5.425	1344	1348	1353	rVB2	371	365	0.70%	0.100%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010665.D
 Acq On : 03 May 2019 18:35
 Operator : SY/MD
 Sample : K2603-11RE
 Misc : 5.09G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ63RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Title : VOC Analysis

35	5.601	1400	1403	1406	rBV2	324	242	0.46%	0.066%
36	5.669	1410	1424	1440	rBV3	17002	34798	66.66%	9.552%
37	5.736	1442	1445	1450	rBV3	347	304	0.58%	0.083%
38	5.785	1456	1460	1467	rVB3	458	487	0.93%	0.134%
39	5.952	1509	1512	1514	rBV2	285	198	0.38%	0.054%
40	6.007	1524	1529	1531	rBV2	311	233	0.45%	0.064%
41	6.119	1554	1564	1578	rBV3	12032	23407	44.84%	6.425%
42	6.543	1693	1696	1699	rVB	299	217	0.42%	0.060%
43	6.785	1768	1771	1775	rVB	286	219	0.42%	0.060%
44	6.920	1808	1813	1816	rBV2	263	293	0.56%	0.080%
45	7.035	1839	1849	1864	rBV3	4856	9289	17.79%	2.550%
46	7.113	1869	1873	1878	rVB2	322	335	0.64%	0.092%
47	7.170	1887	1891	1893	rBV2	295	256	0.49%	0.070%
48	7.302	1930	1932	1936	rVB	355	243	0.47%	0.067%
49	7.363	1940	1951	1974	rVV	22307	42034	80.52%	11.539%
50	7.566	2010	2014	2017	rBV2	240	259	0.50%	0.071%
51	7.669	2037	2046	2057	rBV3	2573	4567	8.75%	1.254%
52	7.775	2076	2079	2082	rVB	269	196	0.38%	0.054%
53	7.804	2082	2088	2091	rVB	261	245	0.47%	0.067%
54	7.820	2091	2093	2100	rBV2	205	186	0.36%	0.051%
55	7.884	2111	2113	2117	rBV	267	206	0.39%	0.057%
56	7.974	2137	2141	2143	rBV2	492	345	0.66%	0.095%
57	8.148	2186	2195	2199	rBV4	1410	2193	4.20%	0.602%
58	8.273	2230	2234	2238	rVB2	256	217	0.42%	0.060%
59	8.363	2258	2262	2264	rBV2	258	244	0.47%	0.067%
60	8.466	2289	2294	2297	rBV	286	340	0.65%	0.093%
61	8.486	2297	2300	2303	rVV	239	229	0.44%	0.063%
62	8.521	2307	2311	2316	rVV2	187	214	0.41%	0.059%
63	8.569	2322	2326	2328	rBV	347	253	0.48%	0.069%
64	8.781	2386	2392	2395	rBV	297	307	0.59%	0.084%
65	8.900	2418	2429	2453	rBV3	20913	37325	71.50%	10.246%
66	9.309	2549	2556	2560	rBV2	236	306	0.59%	0.084%
67	9.492	2610	2613	2617	rVB2	231	193	0.37%	0.053%
68	9.518	2617	2621	2624	rBV2	253	261	0.50%	0.072%
69	9.598	2643	2646	2652	rBV2	160	186	0.36%	0.051%
70	9.646	2656	2661	2664	rBV2	220	205	0.39%	0.056%
71	9.993	2766	2769	2772	rVB2	316	191	0.37%	0.052%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010665.D
 Acq On : 03 May 2019 18:35
 Operator : SY/MD
 Sample : K2603-11RE
 Misc : 5.09G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ63RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Title : VOC Analysis

72	10.183	2825	2828	2832	rBV2	284	289	0.55%	0.079%
73	10.264	2843	2853	2864	rVB3	9675	15120	28.96%	4.151%
74	10.392	2888	2893	2896	rBV2	214	219	0.42%	0.060%
75	10.421	2896	2902	2904	rBV3	490	485	0.93%	0.133%
76	10.646	2969	2972	2976	rBV2	214	230	0.44%	0.063%
77	10.691	2983	2986	2988	rBV	344	251	0.48%	0.069%
78	10.727	2994	2997	3002	rBV2	217	236	0.45%	0.065%
79	11.302	3166	3176	3190	rVB3	9064	16032	30.71%	4.401%
80	11.492	3229	3235	3239	rBV2	276	306	0.59%	0.084%
81	11.675	3282	3292	3309	rVB3	12116	19681	37.70%	5.403%
82	11.855	3345	3348	3350	rBV	475	323	0.62%	0.089%
83	12.157	3439	3442	3445	rBV	384	298	0.57%	0.082%
84	12.228	3461	3464	3467	rBV2	364	235	0.45%	0.065%
85	12.296	3481	3485	3490	rVV3	837	771	1.48%	0.212%
86	12.405	3515	3519	3520	rBV3	354	211	0.40%	0.058%
87	12.418	3520	3523	3524	rBV2	540	276	0.53%	0.076%
88	12.469	3537	3539	3542	rVB3	675	376	0.72%	0.103%
89	12.518	3543	3554	3564	rBV5	3471	6132	11.75%	1.683%
90	12.608	3579	3582	3584	rBV3	472	343	0.66%	0.094%
91	12.681	3600	3605	3608	rBV4	617	803	1.54%	0.220%
92	12.919	3676	3679	3690	rVB8	2546	3985	7.63%	1.094%
93	13.083	3724	3730	3734	rBV8	4026	5253	10.06%	1.442%
94	13.251	3779	3782	3786	rBV5	1281	1213	2.32%	0.333%
95	13.688	3913	3918	3923	rBV5	4311	5372	10.29%	1.475%
96	15.636	4520	4524	4525	rBV3	1659	1119	2.14%	0.307%
97	15.858	4588	4593	4596	rBV4	549	670	1.28%	0.184%
98	15.939	4616	4618	4624	rVB3	526	370	0.71%	0.102%
99	16.299	4727	4730	4732	rBV3	783	548	1.05%	0.150%
100	16.450	4775	4777	4780	rBV3	604	401	0.77%	0.110%

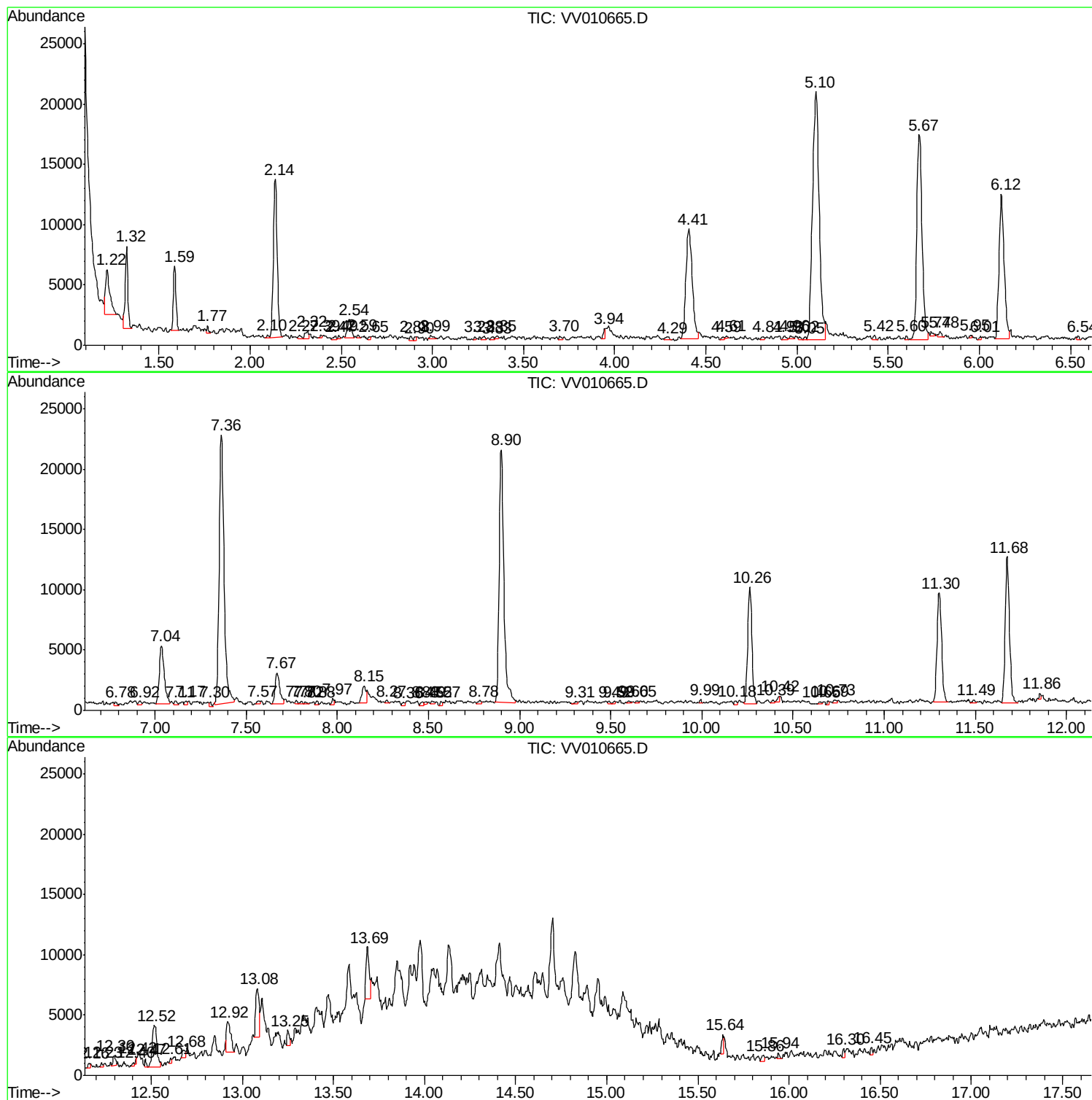
Sum of corrected areas: 364290

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
GAJ63RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

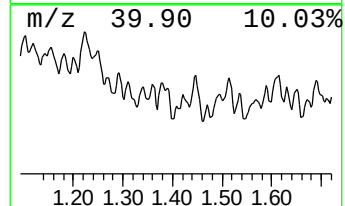
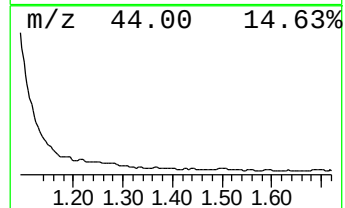
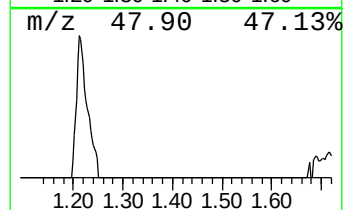
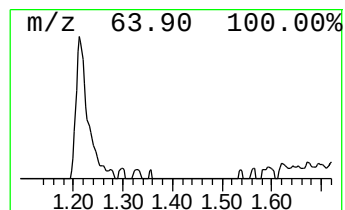
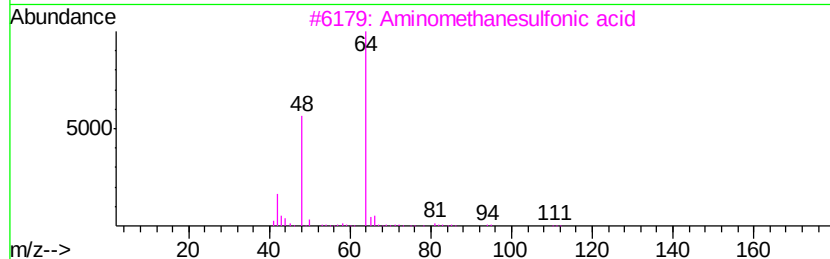
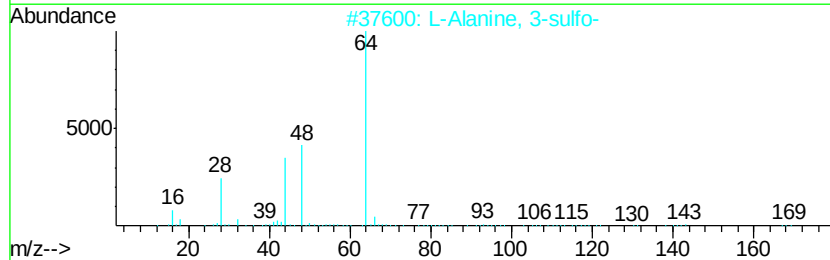
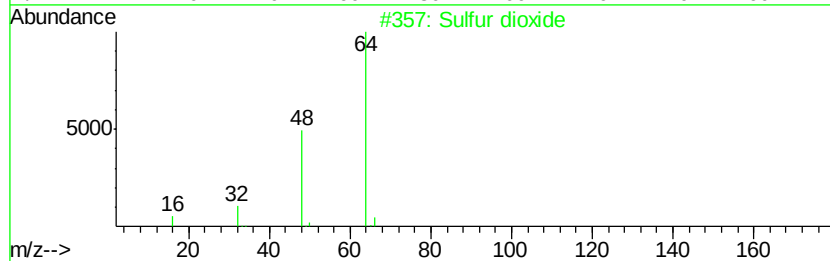
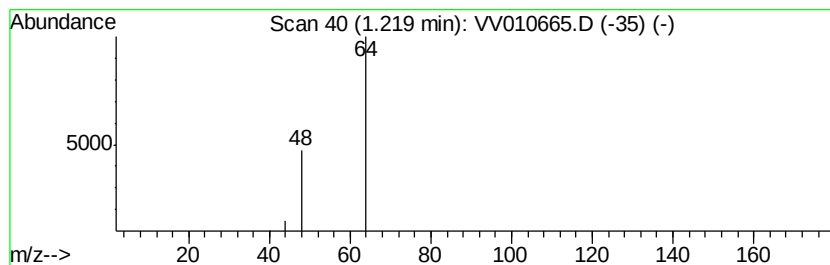
Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Sulfur dioxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.			
1.22	4.17 ug/L	5807	1,4-Difluorobenzene	5.67			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur dioxide	64	O2S	007446-09-5	74
2			L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
3			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5			Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	5



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

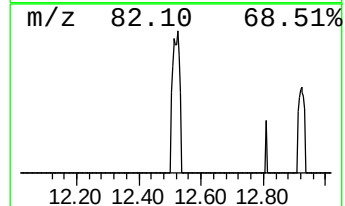
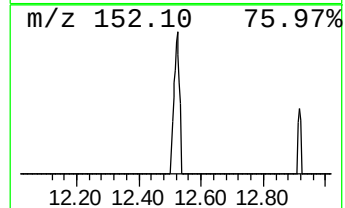
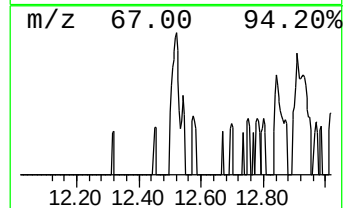
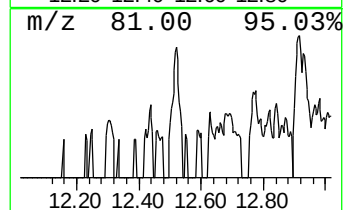
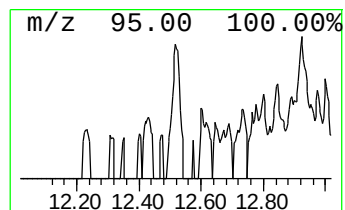
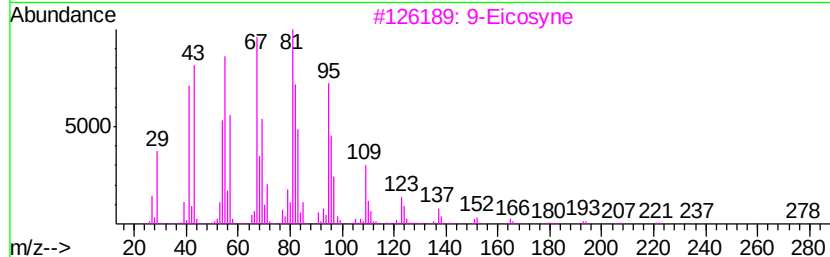
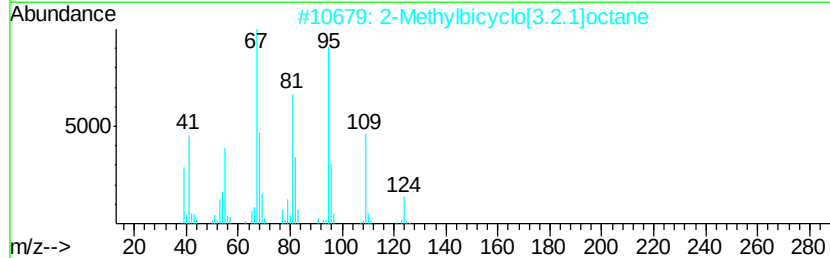
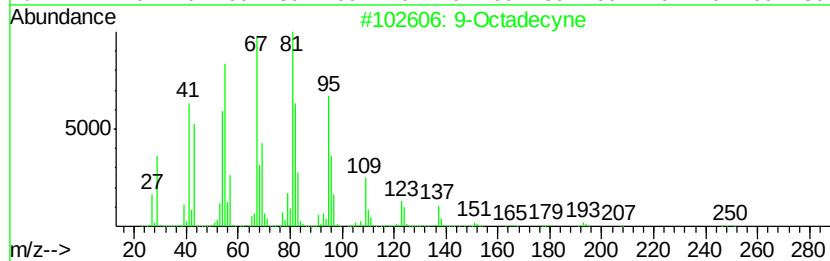
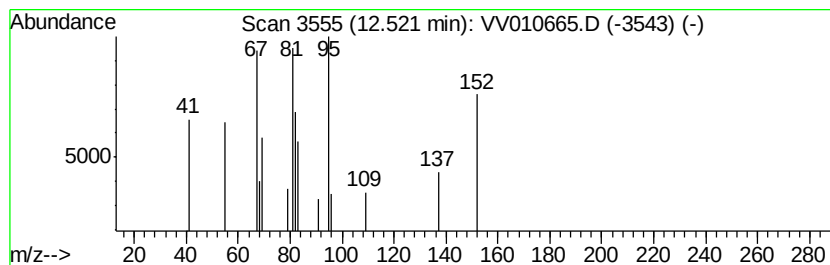
Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9-Octadecyne Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	9.56 ug/L	6132	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Octadecyne	250 C18H34	035365-59-4	59
2	2-Methylbicyclo[3.2.1]octane	124 C9H16	1000215-28-0	53
3	9-Eicosyne	278 C20H38	071899-38-2	53
4	7-Octadecyne, 2-methyl-	264 C19H36	035354-38-2	50
5	Spiro[3.5]nonan-1-one, 5-methyl-...	152 C10H16O	065147-56-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
GAJ63RE

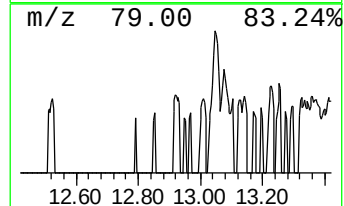
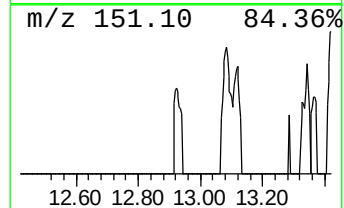
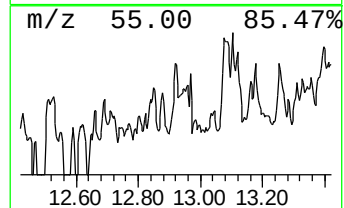
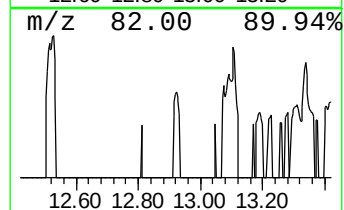
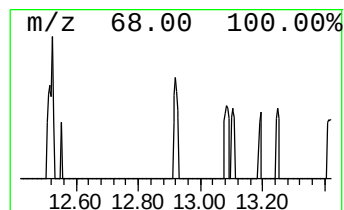
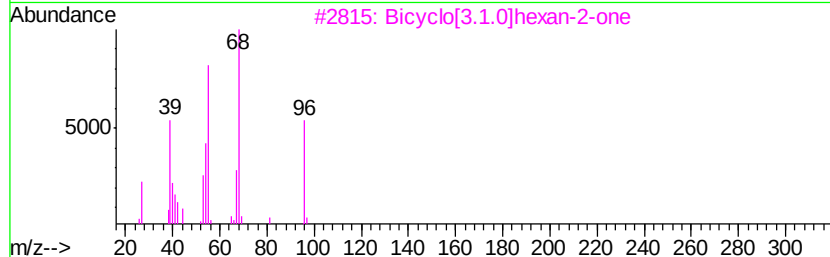
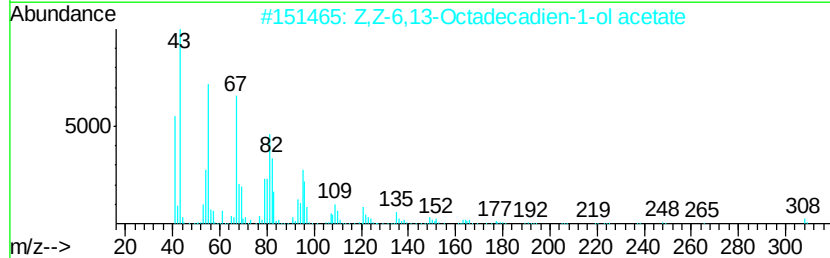
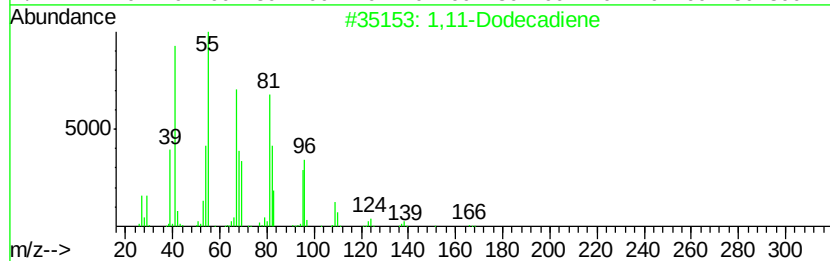
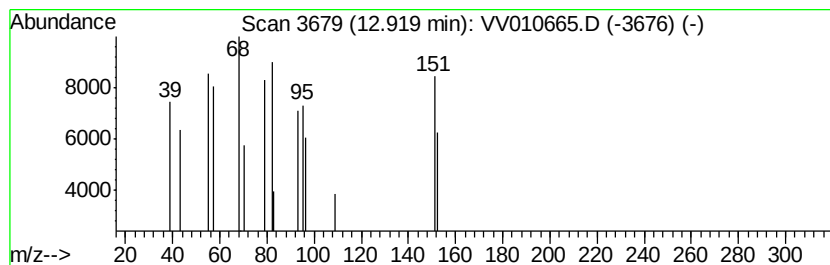
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	6.21 ug/L	3985	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,11-Dodecadiene	166	C12H22	005876-87-9	47
2		Z,Z-6,13-Octadecadien-1-ol acetate	308	C20H36O2	1000131-07-0	43
3		Bicyclo[3.1.0]hexan-2-one	96	C6H8O	004160-49-0	38
4		Bicyclo[3.1.0]hexan-2-one	96	C6H8O	004160-49-0	38
5		Chloroacetic acid, dodec-9-ynyl ...	258	C14H23ClO2	1000282-93-1	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

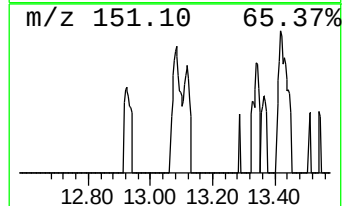
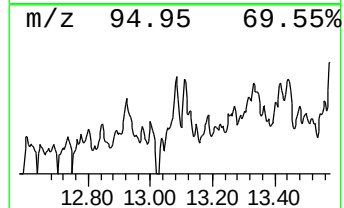
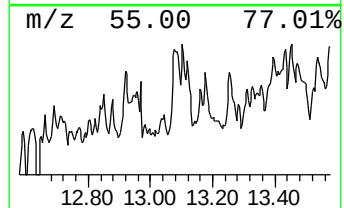
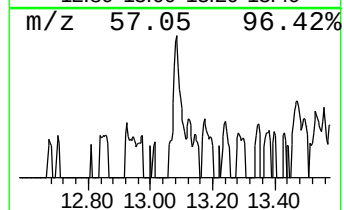
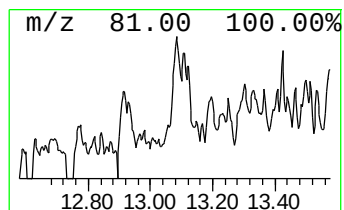
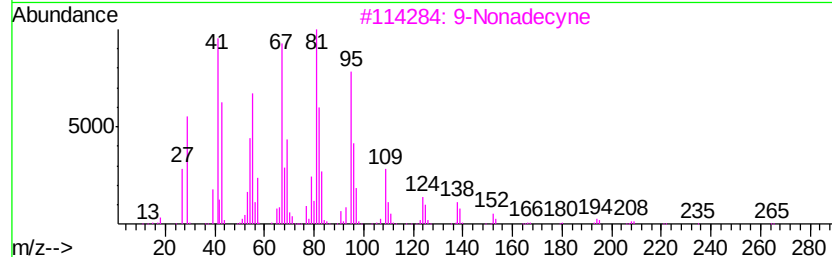
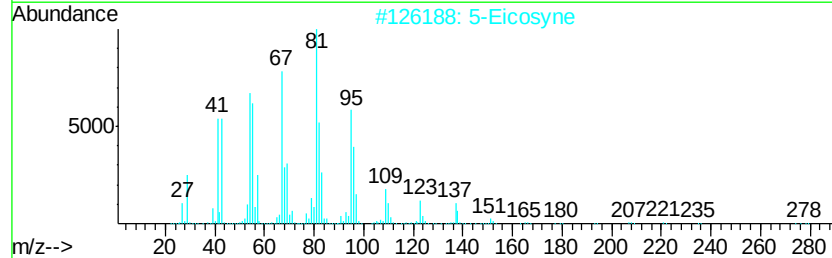
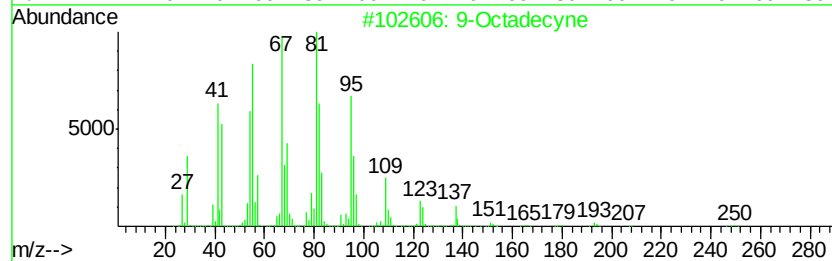
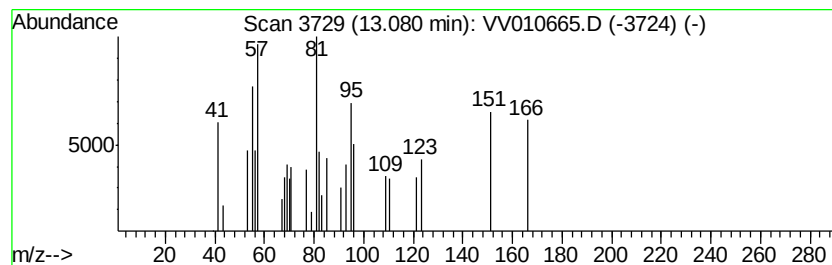
Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.08	8.19 ug/L	5253	1,4-Dichlorobenzene-d4		11.30
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecyne	250	C18H34	035365-59-4	47
2	5-Eicosyne	278	C20H38	074685-31-7	38
3	9-Nonadecyne	264	C19H36	106073-69-2	38
4	1-Methyl-2-propyl-pyrazolium bro...	204	C7H13BrN2	1000144-54-6	38
5	(R)-(-)-14-Methyl-8-hexadecyn-1-ol	252	C17H32O	064566-18-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

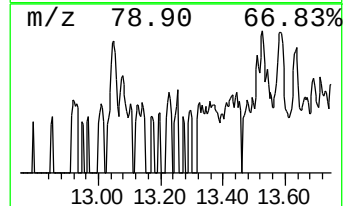
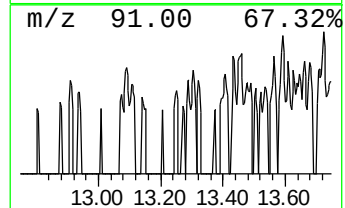
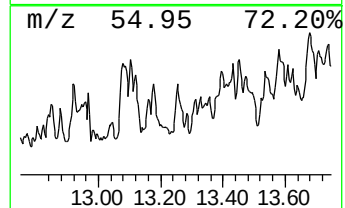
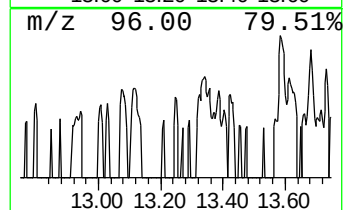
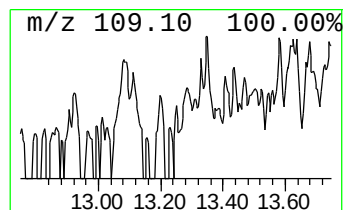
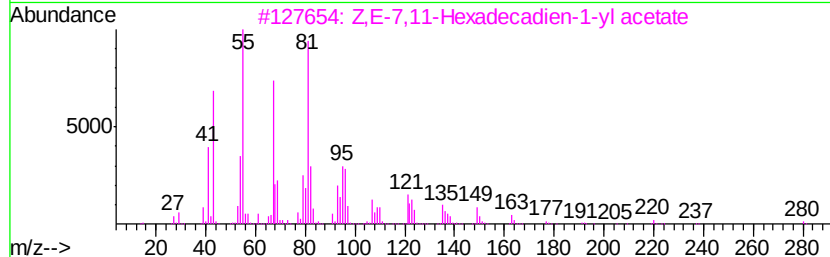
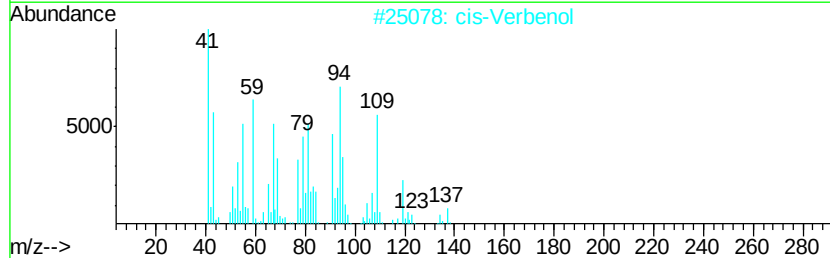
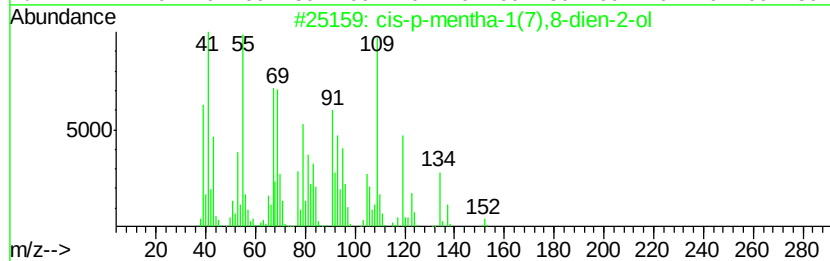
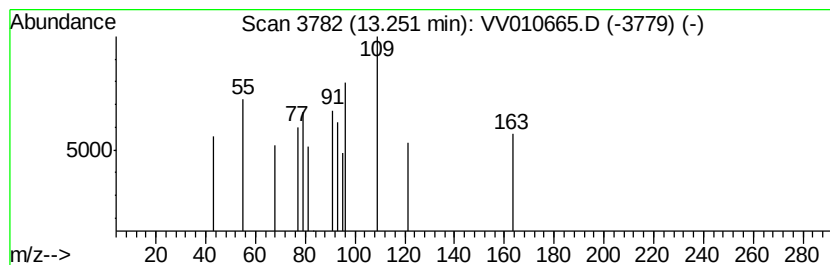
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	1.89 ug/L	1213	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-p-mentha-1(7),8-dien-2-ol	152	C10H16O	1000374-16-8	23
2		cis-Verbenol	152	C10H16O	001845-30-3	23
3		Z,E-7,11-Hexadecadien-1-yl acetate	280	C18H32O2	051607-94-4	23
4		1,5-Dimethyltricyclo[3.3.0.0(2,6...]	136	C10H16	103240-54-6	22
5		o-Menth-8-ene	138	C10H18	015193-25-6	16



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

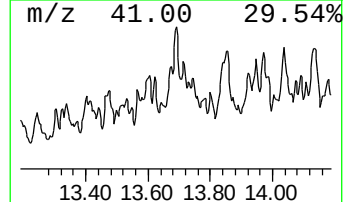
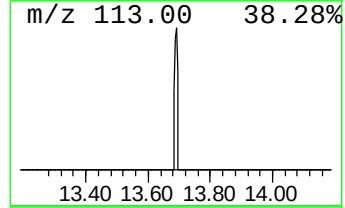
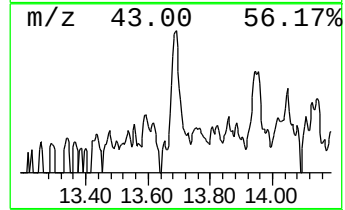
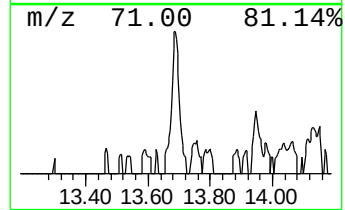
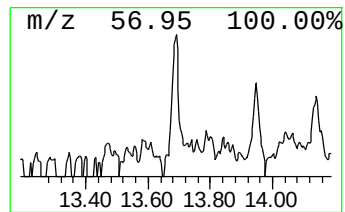
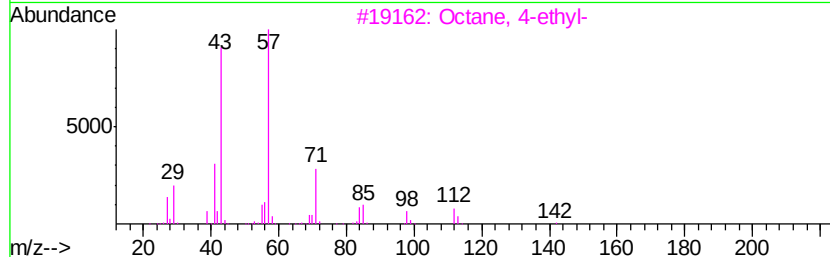
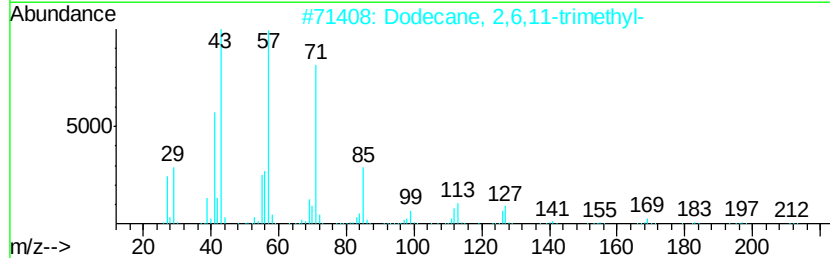
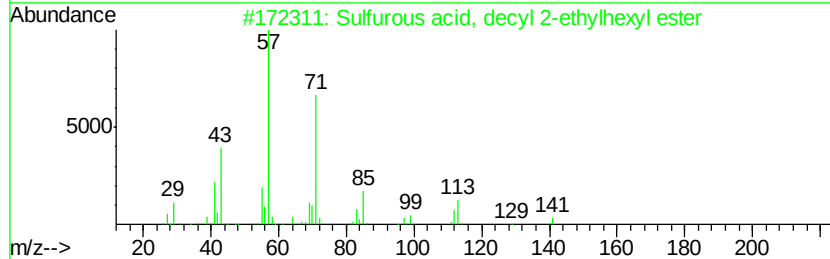
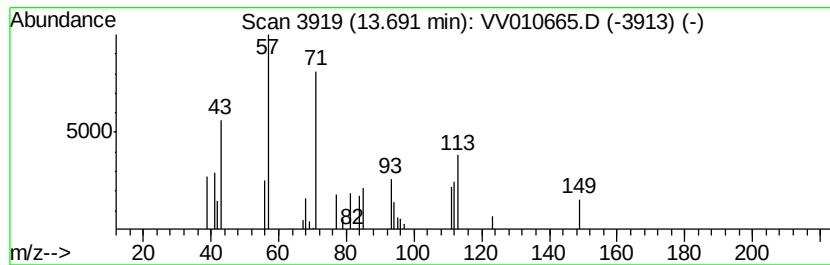
Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	8.38 ug/L	5372	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, decyl 2-ethylhex...	334 C18H38O3S	1000309-19-3 42
2		Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4 37
3		Octane, 4-ethyl-	142 C10H22	015869-86-0 28
4		Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3 28
5		Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4 25



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV050219\
Data File : VV010665.D
Acq On : 03 May 2019 18:35
Operator : SY/MD
Sample : K2603-11RE
Misc : 5.09G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ63RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	1.22	4.2	ug/L	5807	1	5.67	34798	25.0
9-Octadecyne	12.52	9.6	ug/L	6132	3	11.30	16032	25.0
unknown-01	12.92	6.2	ug/L	3985	3	11.30	16032	25.0
unknown-02	13.08	8.2	ug/L	5253	3	11.30	16032	25.0
unknown-03	13.25	1.9	ug/L	1213	3	11.30	16032	25.0
unknown-04	13.69	8.4	ug/L	5372	3	11.30	16032	25.0