

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011054.D
 Acq On : 24 May 2019 05:59
 Operator : SY/MD
 Sample : K3016-22
 Misc : 5.15G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D9

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\SOM2VLM052019S.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	1.200	29	34	53	rVB3	8982	16465	3.81%	0.610%
2	1.309	62	68	74	rVB	30494	29311	6.78%	1.087%
3	1.380	84	90	101	rVB	16019	16504	3.81%	0.612%
4	1.479	117	121	122	rBV	1018	695	0.16%	0.026%
5	1.553	138	144	152	rVB	22861	25807	5.97%	0.957%
6	1.801	215	221	229	rVB	4916	6414	1.48%	0.238%
7	1.975	265	275	283	rVB4	2337	4546	1.05%	0.169%
8	2.029	289	292	298	rVV4	657	583	0.13%	0.022%
9	2.113	308	318	330	rVB	48297	70164	16.22%	2.601%
10	2.184	330	340	350	rBV	30796	45325	10.48%	1.680%
11	2.309	371	379	391	rBV	3455	6021	1.39%	0.223%
12	2.450	413	423	438	rVB	9280	15246	3.52%	0.565%
13	2.521	438	445	454	rVB3	3528	5190	1.20%	0.192%
14	2.637	473	481	482	rBV2	998	1102	0.25%	0.041%
15	2.987	581	590	601	rBV3	1503	3353	0.78%	0.124%
16	3.055	601	611	623	rVV5	3032	5705	1.32%	0.212%
17	3.200	650	656	658	rBV3	736	808	0.19%	0.030%
18	3.421	721	725	731	rVB2	182	247	0.06%	0.009%
19	3.746	816	826	839	rBV4	2607	5998	1.39%	0.222%
20	3.859	854	861	865	rBV2	271	432	0.10%	0.016%
21	3.926	871	882	904	rBV2	20722	55300	12.78%	2.050%
22	4.312	998	1002	1006	rBV2	224	242	0.06%	0.009%
23	4.392	1010	1027	1049	rVB2	49713	121590	28.11%	4.508%
24	4.508	1058	1063	1064	rBV2	565	459	0.11%	0.017%
25	4.582	1081	1086	1090	rVB3	230	265	0.06%	0.010%
26	4.888	1175	1181	1187	rVB2	227	275	0.06%	0.010%
27	5.087	1226	1243	1266	rBV2	111858	281079	64.97%	10.421%
28	5.164	1266	1267	1270	rVB	672	291	0.07%	0.011%
29	5.190	1270	1275	1276	rBV	279	230	0.05%	0.009%
30	5.364	1320	1329	1341	rVV5	2784	6146	1.42%	0.228%
31	5.460	1353	1359	1367	rBV2	252	484	0.11%	0.018%
32	5.572	1381	1394	1407	rBV2	7441	16383	3.79%	0.607%
33	5.656	1408	1420	1441	rVB	115306	228363	52.79%	8.466%
34	5.839	1472	1477	1480	rBV2	282	262	0.06%	0.010%

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35	5.952	1510	1512	1515	rVB	556	308	0.07%	0.011%
36	6.003	1523	1528	1532	rBV	275	252	0.06%	0.009%
37	6.113	1549	1562	1578	rBV2	68470	138644	32.05%	5.140%
38	6.328	1617	1629	1644	rBV3	26598	52286	12.09%	1.938%
39	6.698	1738	1744	1751	rBV3	797	1278	0.30%	0.047%
40	6.743	1755	1758	1765	rBV2	270	359	0.08%	0.013%
41	6.878	1797	1800	1805	rVB	325	260	0.06%	0.010%
42	7.026	1835	1846	1861	rVV2	29484	50955	11.78%	1.889%
43	7.183	1888	1895	1903	rBV6	1342	2326	0.54%	0.086%
44	7.357	1930	1949	1966	rBV	105085	190529	44.04%	7.064%
45	7.662	2034	2044	2057	rBV2	18215	29545	6.83%	1.095%
46	7.749	2069	2071	2076	rVB4	581	412	0.10%	0.015%
47	7.926	2116	2126	2129	rBV3	493	741	0.17%	0.027%
48	7.978	2132	2142	2153	rVB4	3631	6461	1.49%	0.240%
49	8.132	2179	2190	2216	rBV2	70853	128647	29.74%	4.769%
50	8.232	2219	2221	2224	rBV2	466	278	0.06%	0.010%
51	8.280	2224	2236	2261	rBV	267987	432613	100.00%	16.039%
52	8.666	2351	2356	2360	rVB2	239	274	0.06%	0.010%
53	8.717	2369	2372	2379	rVB2	275	254	0.06%	0.009%
54	8.894	2413	2427	2446	rBV	150527	246095	56.89%	9.124%
55	9.000	2458	2460	2464	rVB2	409	255	0.06%	0.009%
56	9.090	2484	2488	2491	rBV2	228	240	0.06%	0.009%
57	9.187	2510	2518	2522	rBV4	920	1260	0.29%	0.047%
58	9.212	2522	2526	2528	rBV4	468	380	0.09%	0.014%
59	9.248	2534	2537	2538	rBV	429	284	0.07%	0.011%
60	9.260	2538	2541	2542	rVV2	544	349	0.08%	0.013%
61	9.273	2542	2545	2551	rVB2	508	550	0.13%	0.020%
62	9.350	2565	2569	2578	rVB4	828	1195	0.28%	0.044%
63	9.524	2617	2623	2634	rBV5	3979	7753	1.79%	0.287%
64	9.746	2687	2692	2694	rBV4	454	448	0.10%	0.017%
65	9.852	2717	2725	2734	rVV5	6676	9887	2.29%	0.367%
66	9.949	2750	2755	2760	rVB2	578	600	0.14%	0.022%
67	9.990	2760	2768	2773	rBV4	421	656	0.15%	0.024%
68	10.109	2799	2805	2806	rBV2	270	234	0.05%	0.009%
69	10.260	2841	2852	2868	rVB	80705	126355	29.21%	4.685%
70	10.325	2868	2872	2875	rBV	281	296	0.07%	0.011%
71	10.421	2893	2902	2911	rVB3	3955	6489	1.50%	0.241%

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72	10.569	2939	2948	2953	rVV4	1179	1715	0.40%	0.064%
73	10.621	2959	2964	2969	rBV2	1300	1451	0.34%	0.054%
74	10.730	2994	2998	3000	rBV2	283	229	0.05%	0.008%
75	10.759	3000	3007	3016	rVV4	1977	2905	0.67%	0.108%
76	10.810	3016	3023	3032	rVV5	1035	1464	0.34%	0.054%
77	10.945	3056	3065	3069	rBV4	6552	9299	2.15%	0.345%
78	10.977	3072	3075	3087	rVB2	11140	15171	3.51%	0.562%
79	11.103	3102	3114	3121	rBV7	1066	2045	0.47%	0.076%
80	11.193	3135	3142	3153	rVB4	4782	6757	1.56%	0.251%
81	11.235	3153	3155	3162	rVB2	458	405	0.09%	0.015%
82	11.293	3162	3173	3189	rBV	77855	128435	29.69%	4.762%
83	11.476	3226	3230	3234	rBV2	381	261	0.06%	0.010%
84	11.579	3254	3262	3269	rBV7	2700	3981	0.92%	0.148%
85	11.672	3280	3291	3303	rBV2	59124	93574	21.63%	3.469%
86	11.730	3306	3309	3318	rVB5	1168	1115	0.26%	0.041%
87	11.900	3360	3362	3366	rVB2	362	232	0.05%	0.009%
88	12.058	3403	3411	3421	rBV4	2501	3773	0.87%	0.140%
89	12.296	3474	3485	3493	rBV2	1543	2794	0.65%	0.104%
90	12.395	3508	3516	3522	rBV8	2172	2772	0.64%	0.103%
91	12.720	3608	3617	3624	rBV5	1636	2350	0.54%	0.087%
92	12.929	3679	3682	3685	rBV	285	242	0.06%	0.009%
93	13.630	3893	3900	3909	rBV4	1411	1958	0.45%	0.073%
94	14.093	4040	4044	4051	rVB3	759	877	0.20%	0.033%
95	14.379	4130	4133	4139	rVB3	571	525	0.12%	0.019%
96	15.308	4418	4422	4425	rBV2	282	241	0.06%	0.009%
97	15.672	4532	4535	4536	rBV	398	252	0.06%	0.009%
98	16.839	4895	4898	4901	rBV2	377	238	0.06%	0.009%
99	17.382	5063	5067	5071	rBV3	860	803	0.19%	0.030%
100	17.418	5076	5078	5080	rBV2	645	388	0.09%	0.014%

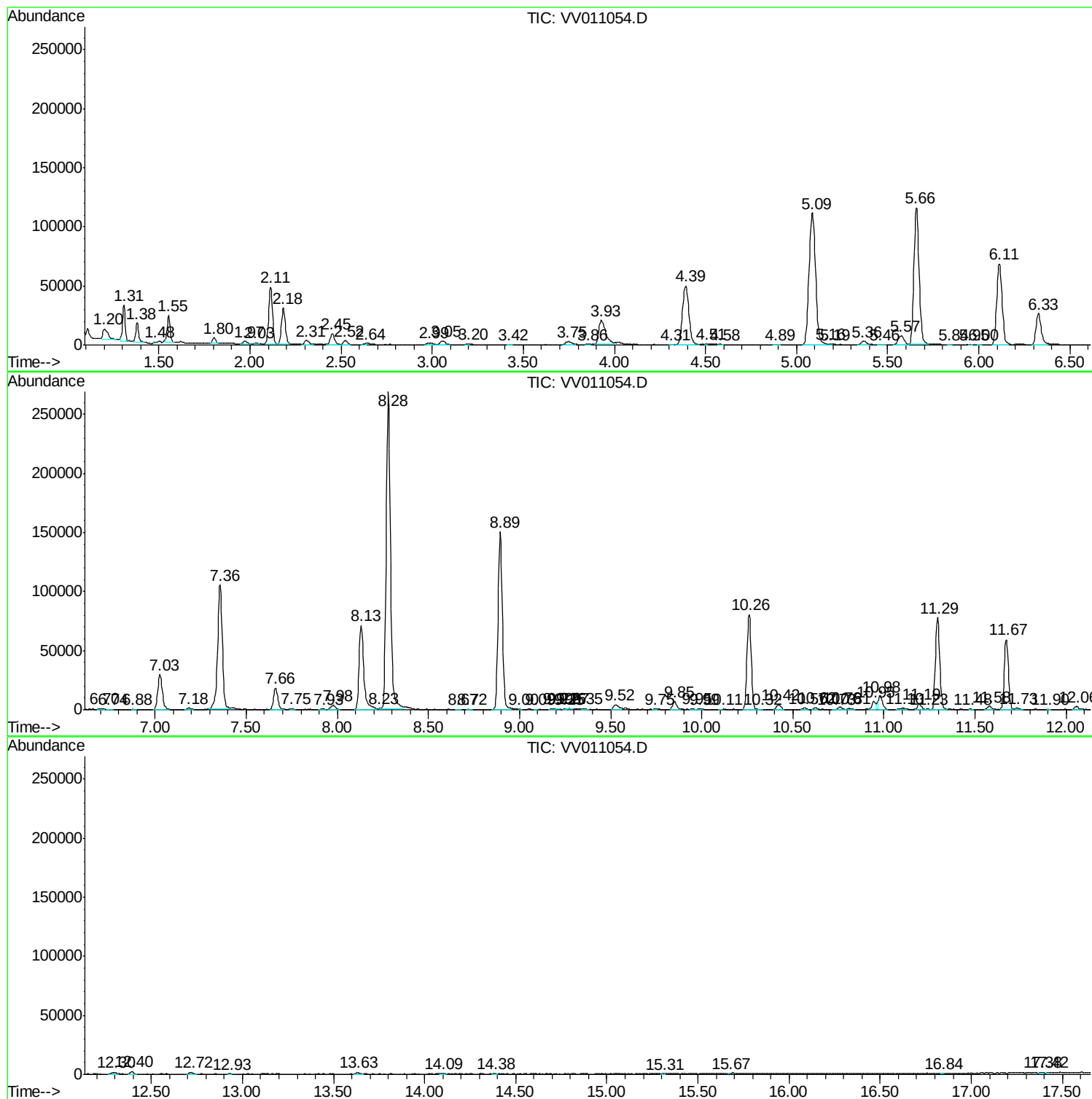
Sum of corrected areas: 2697285

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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



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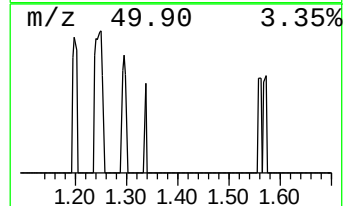
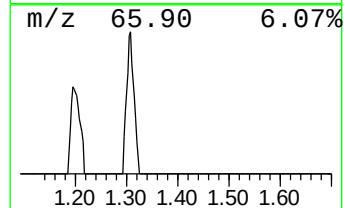
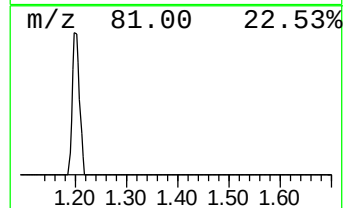
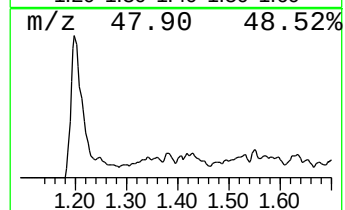
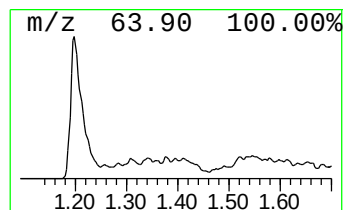
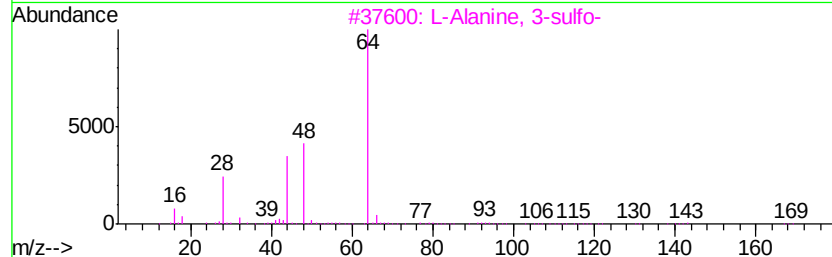
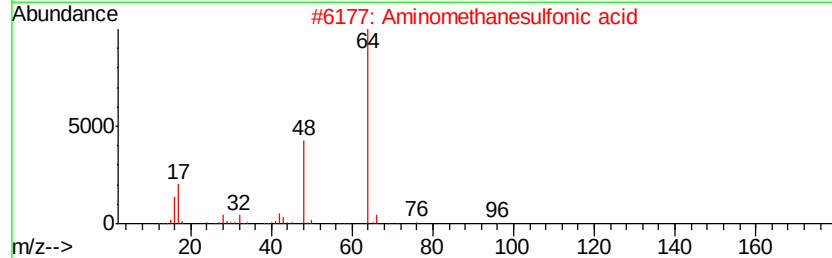
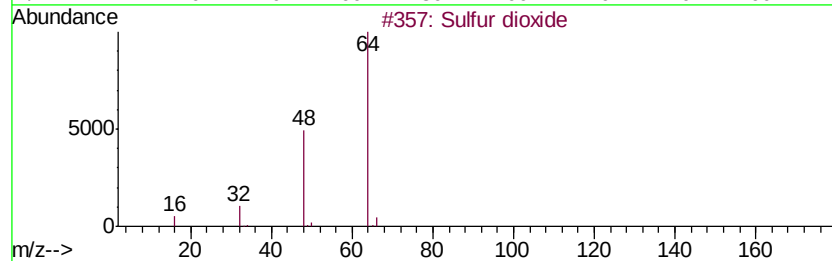
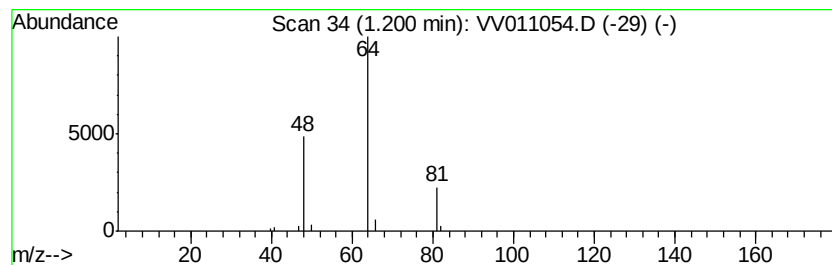
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	1.80 ug/L	16465	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfur dioxide	64	O2S	007446-09-5	74
2		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3		L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5		2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	9



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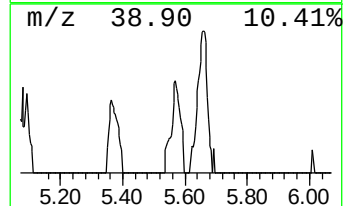
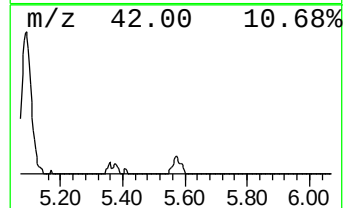
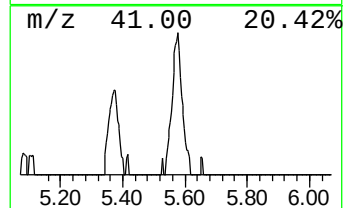
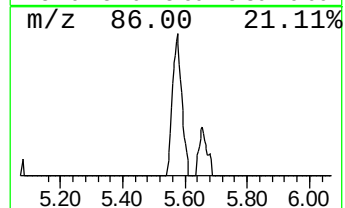
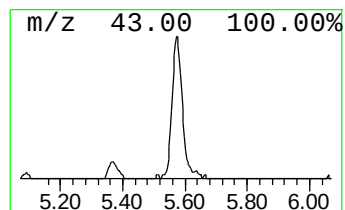
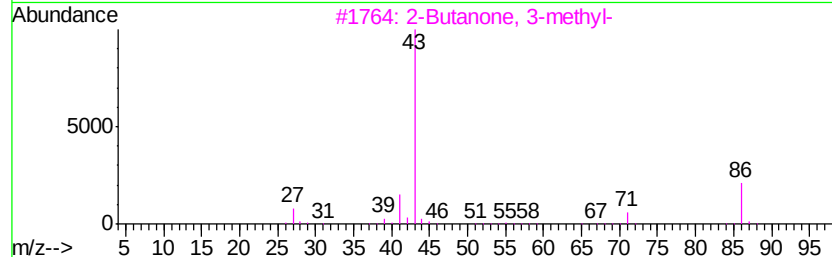
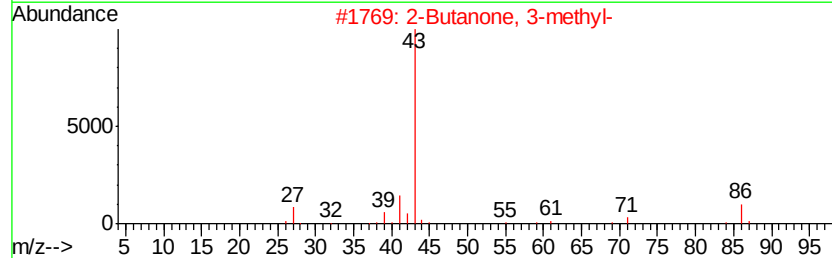
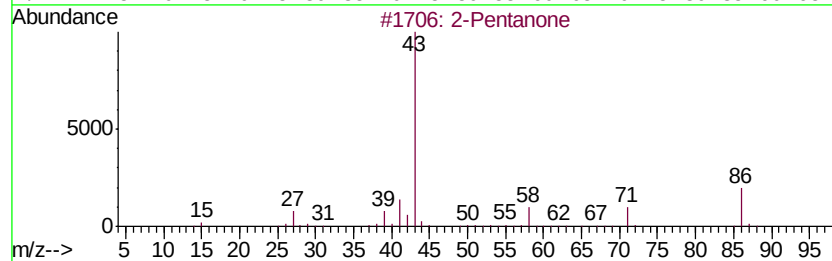
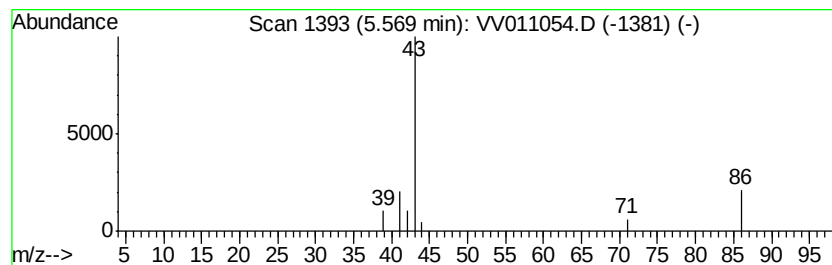
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Quant Title : VOC Analysis

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

Peak Number 3 2-Pentanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	1.79 ug/L	16383	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone	86	C5H10O	000107-87-9	72
2			2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
3			2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
4			2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
5			2-Pentanone	86	C5H10O	000107-87-9	9



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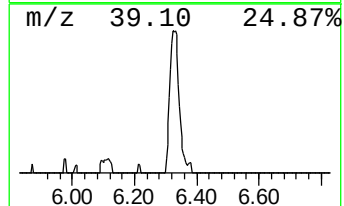
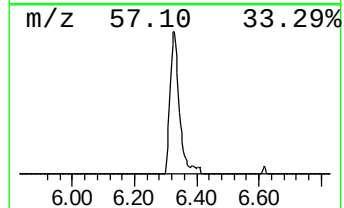
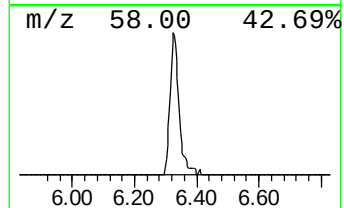
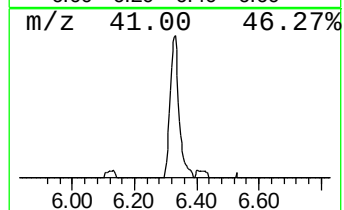
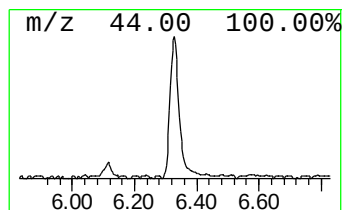
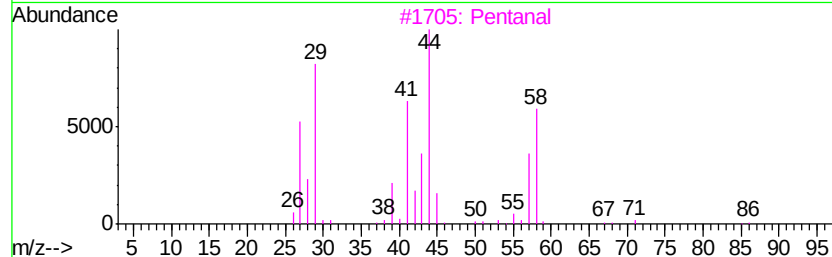
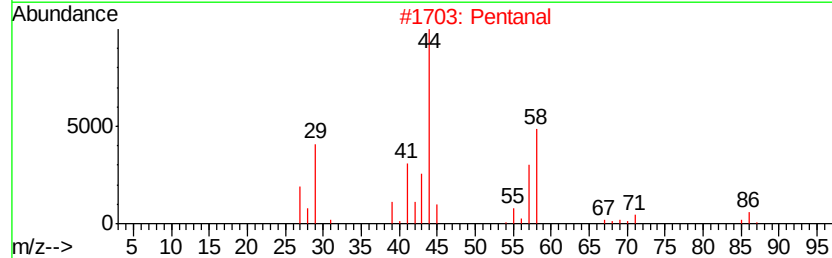
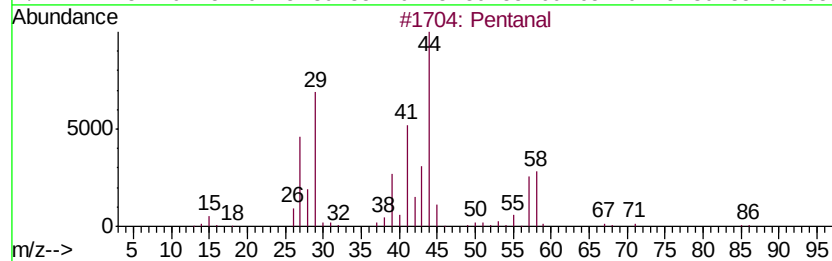
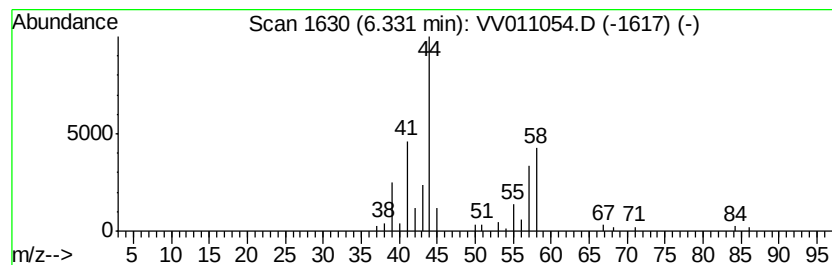
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Peak Number 4 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.72 ug/L	52286	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	78
2		Pentanal	86	C5H10O	000110-62-3	64
3		Pentanal	86	C5H10O	000110-62-3	64
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	53
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV052319\
Data File : VV011054.D
Acq On : 24 May 2019 05:59
Operator : SY/MD
Sample : K3016-22
Misc : 5.15G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

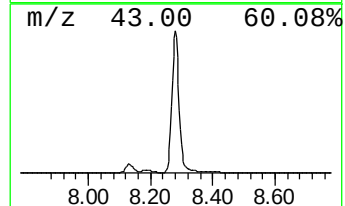
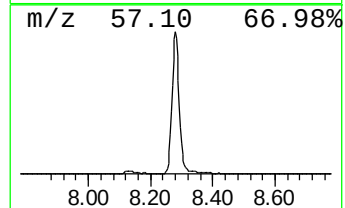
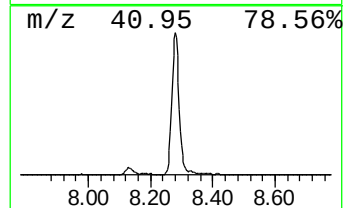
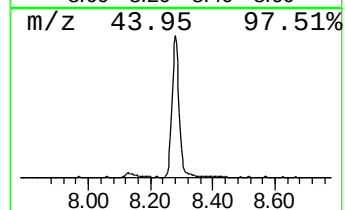
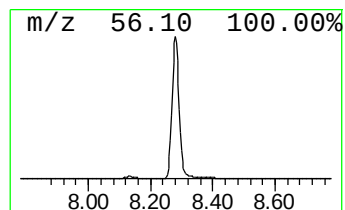
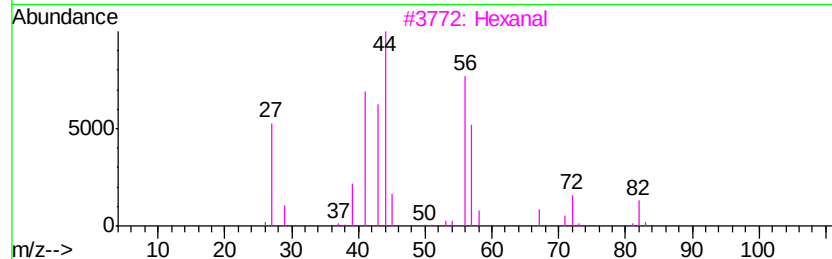
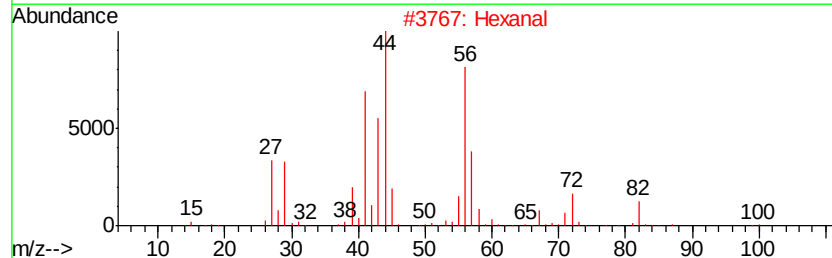
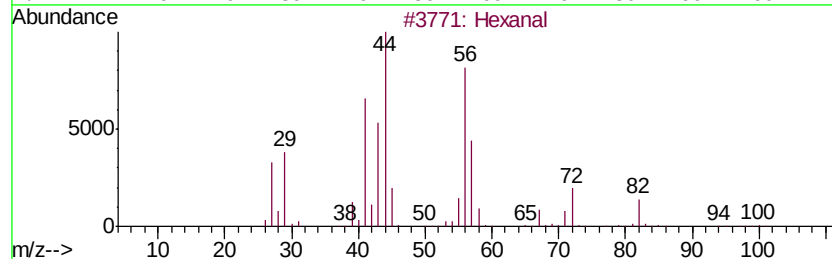
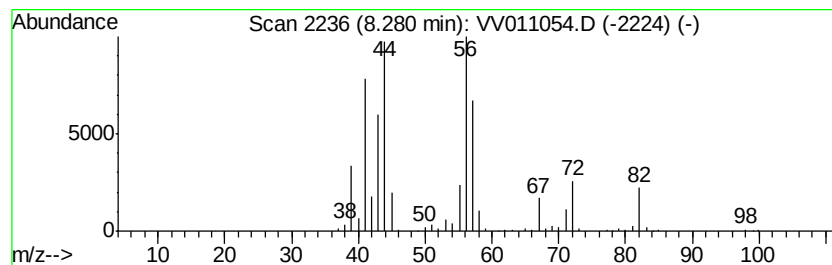
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.28	43.95 ug/L	432613	Chlorobenzene-d5	8.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	91
2	Hexanal		100	C6H12O	000066-25-1	91
3	Hexanal		100	C6H12O	000066-25-1	90
4	Hexanal		100	C6H12O	000066-25-1	83
5	Glutaraldehyde		100	C5H8O2	000111-30-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011054.D
Acq On : 24 May 2019 05:59
Operator : SY/MD
Sample : K3016-22
Misc : 5.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

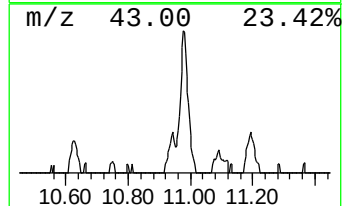
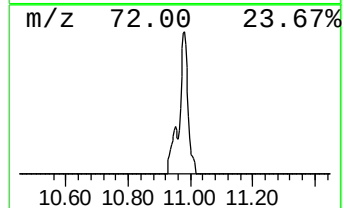
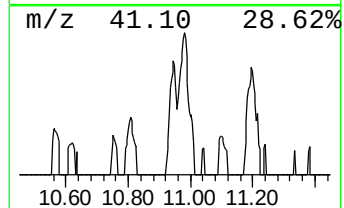
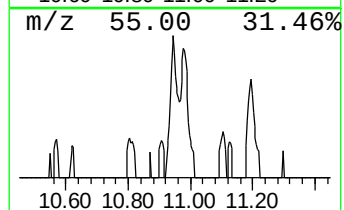
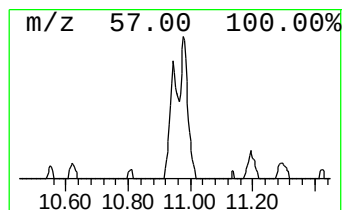
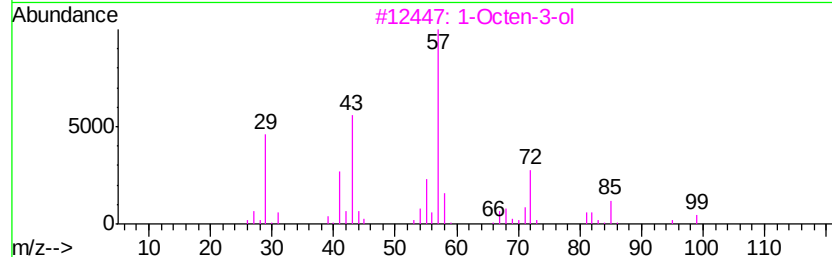
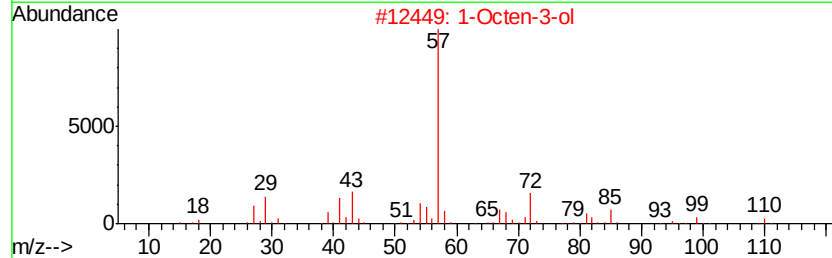
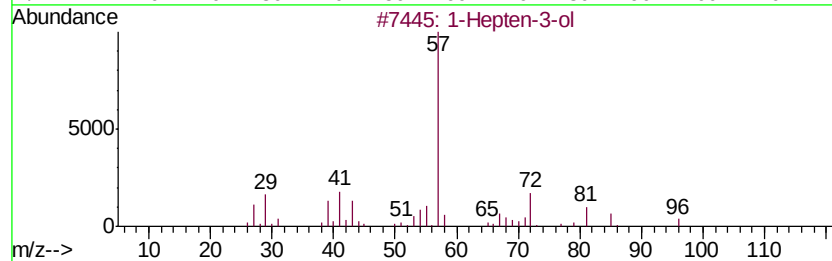
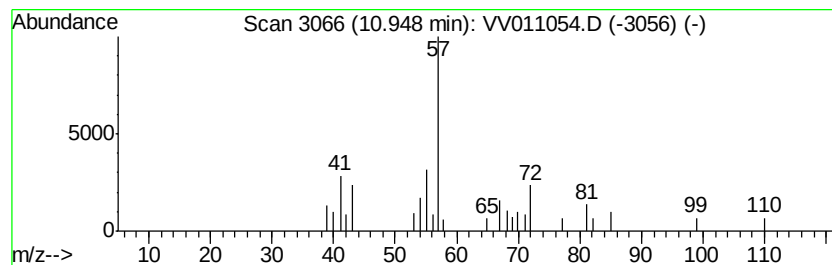
Instrument :
MSVOA_V
ClientSampleId :
A51D9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 8 1-Hepten-3-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.95	1.81 ug/L	9299	1,4-Dichlorobenzene-d4		11.30
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hepten-3-ol	114	C7H14O	004938-52-7	72
2	1-Octen-3-ol	128	C8H16O	003391-86-4	59
3	1-Octen-3-ol	128	C8H16O	003391-86-4	53
4	1-Octen-3-ol	128	C8H16O	003391-86-4	50
5	1-Octen-3-ol	128	C8H16O	003391-86-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011054.D
Acq On : 24 May 2019 05:59
Operator : SY/MD
Sample : K3016-22
Misc : 5.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D9

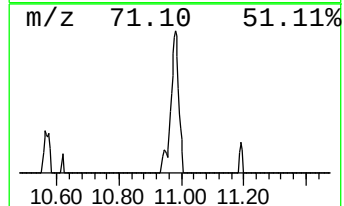
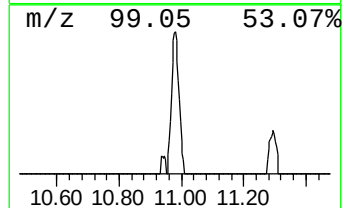
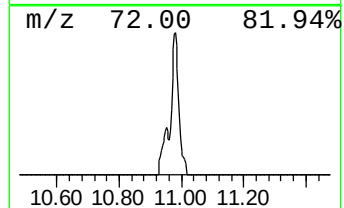
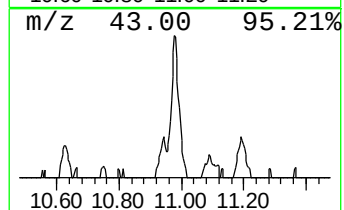
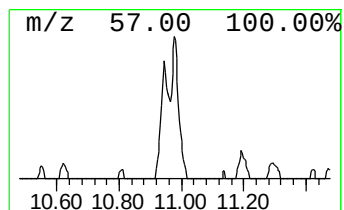
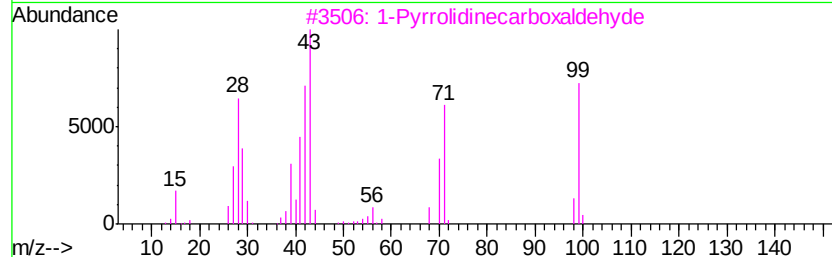
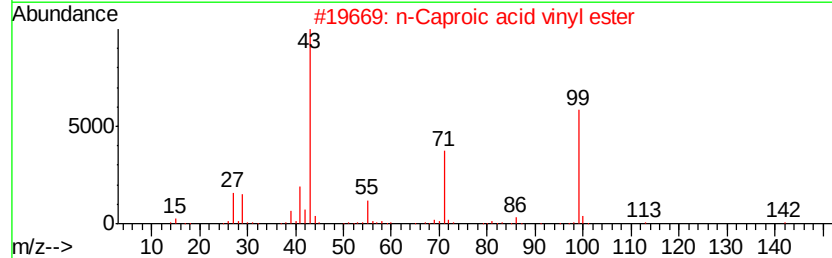
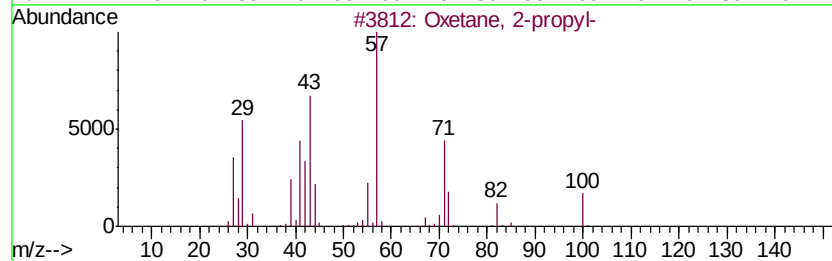
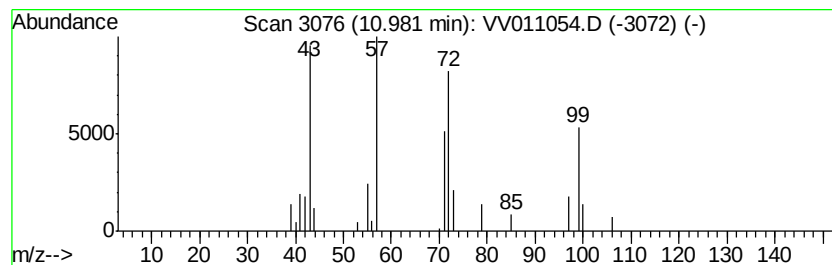
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	2.95 ug/L	15171	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxetane, 2-propyl-	100	C6H12O	004468-64-8	22
2		n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	10
3		1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	10
4		Propanal, 2-methyl-	72	C4H8O	000078-84-2	9
5		1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011054.D
Acq On : 24 May 2019 05:59
Operator : SY/MD
Sample : K3016-22
Misc : 5.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A51D9

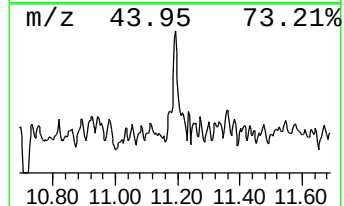
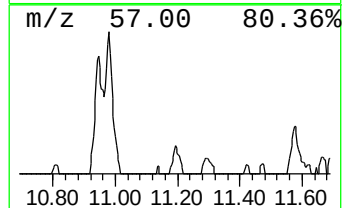
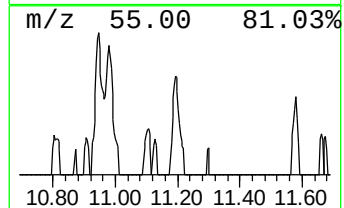
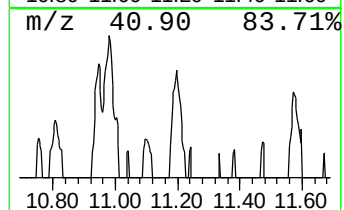
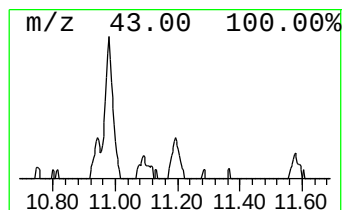
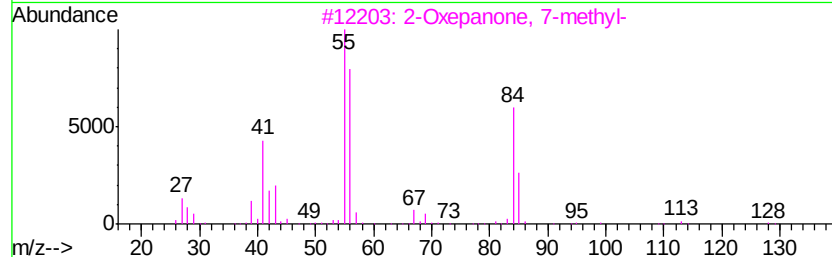
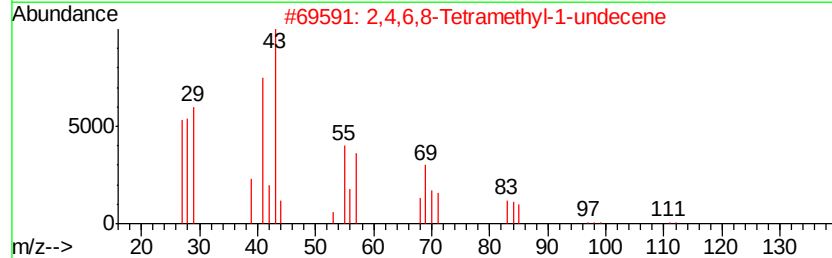
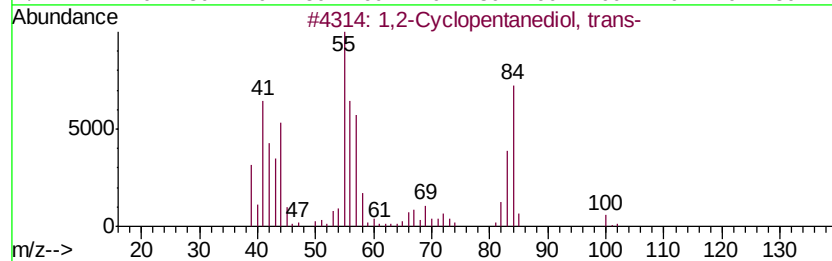
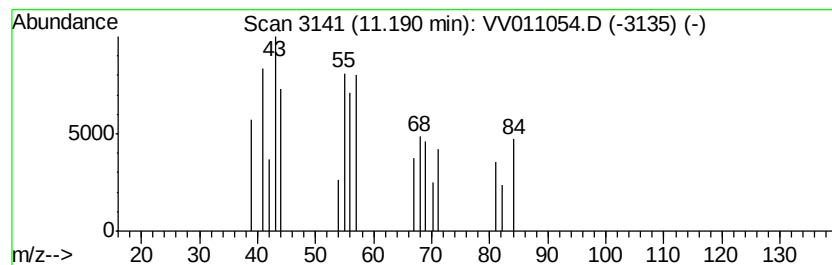
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 10 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	1.32 ug/L	6757	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Cyclopentanediol, trans-	102	C5H10O2	005057-99-8	17
2		2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	16
3		2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	16
4		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	14
5		1,3-Cyclopentanediol, trans-	102	C5H10O2	016326-98-0	12



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011054.D
Acq On : 24 May 2019 05:59
Operator : SY/MD
Sample : K3016-22
Misc : 5.15G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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	1.20	1.8	ug/L	16465	1	5.66	228363	25.0
2-Pentanone	5.57	1.8	ug/L	16383	1	5.66	228363	25.0
Pentanal	6.33	5.7	ug/L	52286	1	5.66	228363	25.0
Hexanal	8.28	44.0	ug/L	432613	2	8.89	246095	25.0
1-Hepten-3-ol	10.95	1.8	ug/L	9299	3	11.30	128435	25.0
unknown-01	10.98	3.0	ug/L	15171	3	11.30	128435	25.0
unknown-02	11.19	1.3	ug/L	6757	3	11.30	128435	25.0