

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011046.D
 Acq On : 24 May 2019 02:15
 Operator : SY/MD
 Sample : K3016-14
 Misc : 5.14G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D1

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	1.206	32	36	61	rVB3	14839	28399	8.20%	1.026%
2	1.315	63	70	79	rVB	35899	35559	10.27%	1.284%
3	1.386	87	92	114	rVB	14454	21022	6.07%	0.759%
4	1.563	141	147	155	rVB	25472	28500	8.23%	1.029%
5	1.814	221	225	230	rVB3	2261	2188	0.63%	0.079%
6	2.036	291	294	295	rBV2	671	375	0.11%	0.014%
7	2.068	301	304	308	rBV4	344	253	0.07%	0.009%
8	2.122	311	321	332	rVV2	58754	86094	24.86%	3.110%
9	2.190	333	342	352	rVB	21780	31134	8.99%	1.125%
10	2.238	352	357	359	rBV2	692	571	0.16%	0.021%
11	2.251	359	361	364	rVB2	682	325	0.09%	0.012%
12	2.312	374	380	393	rVB3	2129	3312	0.96%	0.120%
13	2.402	403	408	409	rBV	430	323	0.09%	0.012%
14	2.457	417	425	439	rVB2	5483	8620	2.49%	0.311%
15	2.531	439	448	461	rVB2	4221	6690	1.93%	0.242%
16	2.990	585	591	603	rVB4	1065	1881	0.54%	0.068%
17	3.064	605	614	615	rBV4	2493	2977	0.86%	0.108%
18	3.209	651	659	666	rBV4	850	1639	0.47%	0.059%
19	3.450	731	734	742	rVB2	221	324	0.09%	0.012%
20	3.492	742	747	752	rBV2	241	285	0.08%	0.010%
21	3.756	818	829	843	rBV6	2170	5382	1.55%	0.194%
22	3.846	854	857	860	rBV	242	226	0.07%	0.008%
23	3.868	860	864	869	rBV3	296	305	0.09%	0.011%
24	3.936	874	885	909	rBV2	22685	57861	16.71%	2.090%
25	4.170	954	958	961	rVV3	368	243	0.07%	0.009%
26	4.283	990	993	997	rBV	263	204	0.06%	0.007%
27	4.396	1012	1028	1053	rBV3	60138	147961	42.73%	5.345%
28	4.508	1059	1063	1064	rBV2	452	342	0.10%	0.012%
29	4.682	1112	1117	1120	rBV2	214	224	0.06%	0.008%
30	4.794	1149	1152	1158	rBV2	260	311	0.09%	0.011%
31	5.090	1225	1244	1269	rBV2	139552	346286	100.00%	12.508%
32	5.347	1319	1324	1325	rVV3	240	236	0.07%	0.009%
33	5.379	1325	1334	1340	rVV5	1498	2304	0.67%	0.083%
34	5.453	1350	1357	1363	rBV2	194	386	0.11%	0.014%

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35	5.511	1373	1375	1378	rBV	292	251	0.07%	0.009%
36	5.537	1381	1383	1386	rVB2	392	229	0.07%	0.008%
37	5.556	1386	1389	1390	rBV2	576	319	0.09%	0.012%
38	5.662	1408	1422	1445	rBV	109132	221037	63.83%	7.984%
39	5.949	1508	1511	1519	rVB4	609	611	0.18%	0.022%
40	6.071	1543	1549	1550	rBV	197	222	0.06%	0.008%
41	6.116	1550	1563	1585	rBV	83581	169816	49.04%	6.134%
42	6.331	1619	1630	1649	rBV2	11389	22805	6.59%	0.824%
43	6.421	1656	1658	1662	rVB2	456	250	0.07%	0.009%
44	6.604	1709	1715	1719	rBV2	369	447	0.13%	0.016%
45	6.701	1739	1745	1750	rBV4	727	926	0.27%	0.033%
46	6.913	1806	1811	1816	rBV2	194	226	0.07%	0.008%
47	7.029	1835	1847	1864	rBV	38455	67424	19.47%	2.435%
48	7.135	1877	1880	1882	rBV2	299	212	0.06%	0.008%
49	7.180	1888	1894	1897	rBV4	553	538	0.16%	0.019%
50	7.273	1918	1923	1925	rBV2	488	354	0.10%	0.013%
51	7.357	1934	1949	1970	rBV	135412	241719	69.80%	8.731%
52	7.521	1997	2000	2002	rBV3	301	203	0.06%	0.007%
53	7.662	2034	2044	2066	rBV	26179	43703	12.62%	1.579%
54	7.749	2067	2071	2079	rVB2	1066	1001	0.29%	0.036%
55	7.981	2133	2143	2152	rVB3	2559	4755	1.37%	0.172%
56	8.132	2180	2190	2210	rBV	84616	150362	43.42%	5.431%
57	8.280	2224	2236	2260	rBV	115520	195254	56.39%	7.053%
58	8.408	2274	2276	2282	rVB3	598	540	0.16%	0.020%
59	8.553	2317	2321	2325	rBV	252	211	0.06%	0.008%
60	8.894	2415	2427	2445	rBV	161974	271972	78.54%	9.824%
61	9.055	2474	2477	2479	rBV2	284	209	0.06%	0.008%
62	9.180	2506	2516	2519	rBV2	559	805	0.23%	0.029%
63	9.492	2611	2613	2619	rVB2	263	278	0.08%	0.010%
64	9.521	2619	2622	2623	rBV	350	202	0.06%	0.007%
65	9.588	2638	2643	2644	rBV2	435	278	0.08%	0.010%
66	9.646	2654	2661	2666	rBV3	416	633	0.18%	0.023%
67	9.675	2666	2670	2674	rVV4	374	330	0.10%	0.012%
68	9.849	2715	2724	2735	rBV4	6118	10105	2.92%	0.365%
69	9.997	2762	2770	2776	rBV4	1106	1514	0.44%	0.055%
70	10.135	2808	2813	2815	rBV	290	247	0.07%	0.009%
71	10.260	2840	2852	2870	rBV	101483	157525	45.49%	5.690%

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72	10.421	2894	2902	2912	rVB4	3381	4986	1.44%	0.180%
73	10.553	2939	2943	2946	rBV3	525	415	0.12%	0.015%
74	10.630	2958	2967	2974	rVB5	1478	2411	0.70%	0.087%
75	10.752	2998	3005	3006	rBV2	536	464	0.13%	0.017%
76	10.813	3019	3024	3031	rBV4	606	648	0.19%	0.023%
77	10.942	3060	3064	3065	rBV2	329	202	0.06%	0.007%
78	10.961	3067	3070	3072	rBV	474	334	0.10%	0.012%
79	11.087	3104	3109	3113	rBV4	436	490	0.14%	0.018%
80	11.193	3137	3142	3152	rVB4	4778	7095	2.05%	0.256%
81	11.296	3162	3174	3192	rVB	108514	174475	50.38%	6.302%
82	11.575	3252	3261	3272	rBV3	5105	8594	2.48%	0.310%
83	11.672	3277	3291	3305	rBV	103316	161863	46.74%	5.847%
84	12.051	3403	3409	3418	rBV5	2001	2845	0.82%	0.103%
85	12.218	3455	3461	3463	rBV	236	265	0.08%	0.010%
86	12.296	3476	3485	3492	rVB2	1473	2196	0.63%	0.079%
87	12.392	3507	3515	3525	rBV6	4204	5680	1.64%	0.205%
88	12.717	3610	3616	3625	rVV4	1087	1326	0.38%	0.048%
89	12.932	3678	3683	3686	rBV3	422	290	0.08%	0.010%
90	13.186	3759	3762	3765	rVV2	727	485	0.14%	0.018%
91	13.482	3849	3854	3863	rVB2	444	468	0.14%	0.017%
92	13.742	3932	3935	3938	rBV2	256	239	0.07%	0.009%
93	14.083	4039	4041	4049	rVB2	324	250	0.07%	0.009%
94	14.231	4084	4087	4093	rVB3	292	213	0.06%	0.008%
95	14.382	4131	4134	4139	rVB2	448	313	0.09%	0.011%
96	15.193	4383	4386	4392	rBV	354	389	0.11%	0.014%
97	15.315	4420	4424	4429	rBV2	414	575	0.17%	0.021%
98	15.492	4476	4479	4482	rBV2	298	244	0.07%	0.009%
99	16.083	4661	4663	4667	rBV3	260	202	0.06%	0.007%
100	16.916	4919	4922	4925	rBV2	349	205	0.06%	0.007%

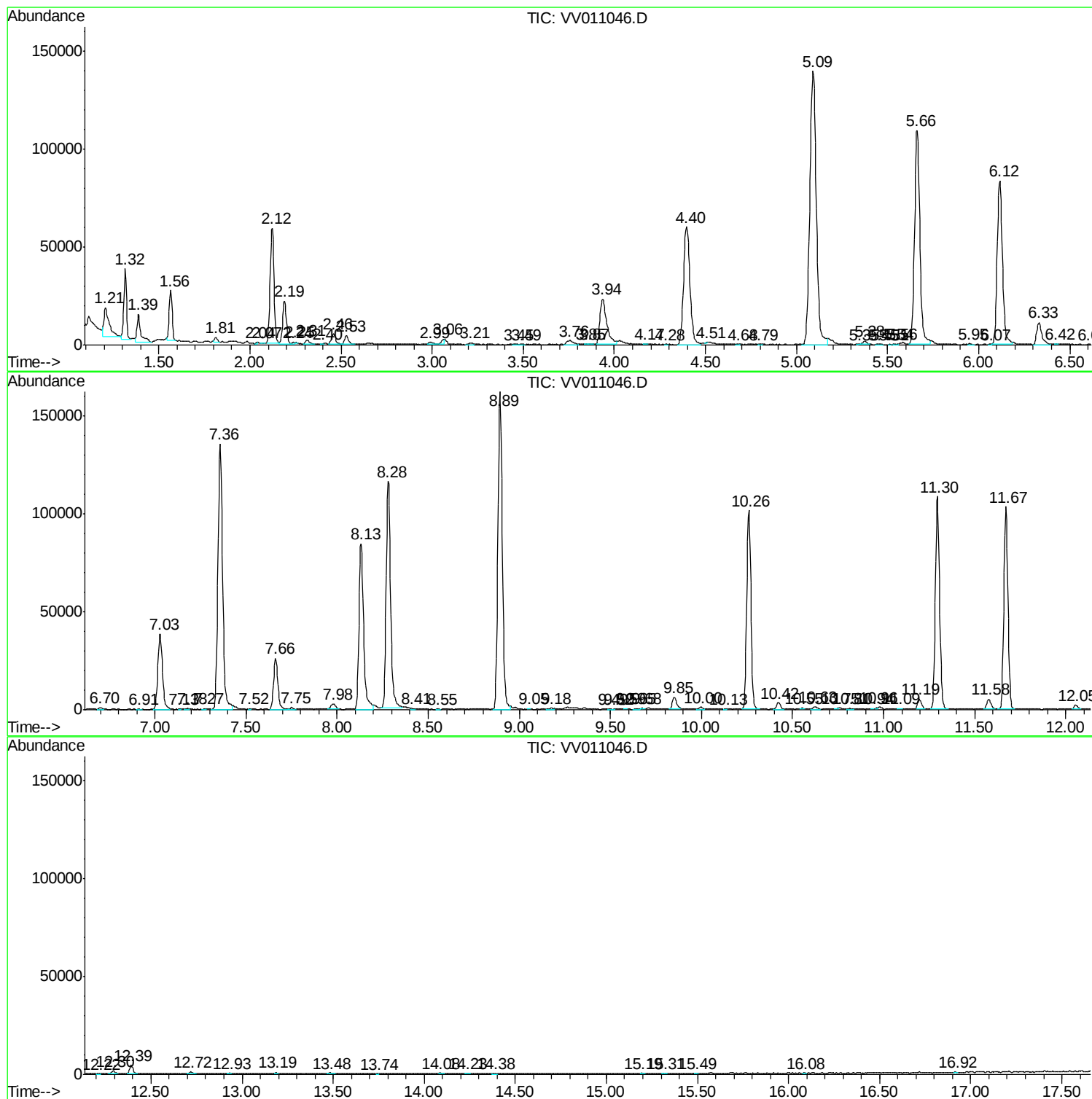
Sum of corrected areas: 2768417

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TIC Library : C:\DATABASE\NIST11.L
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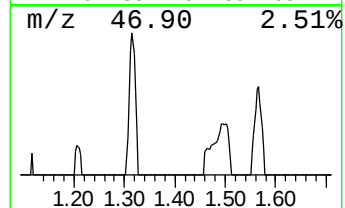
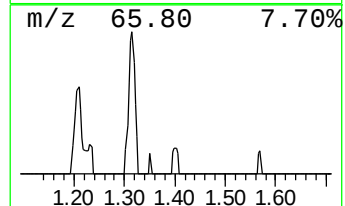
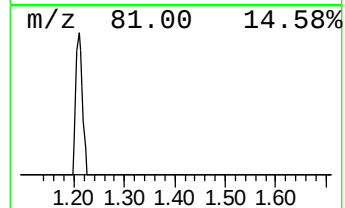
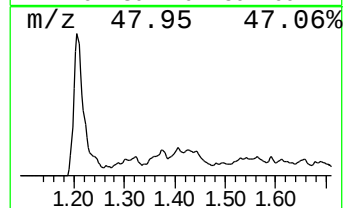
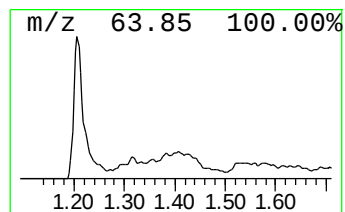
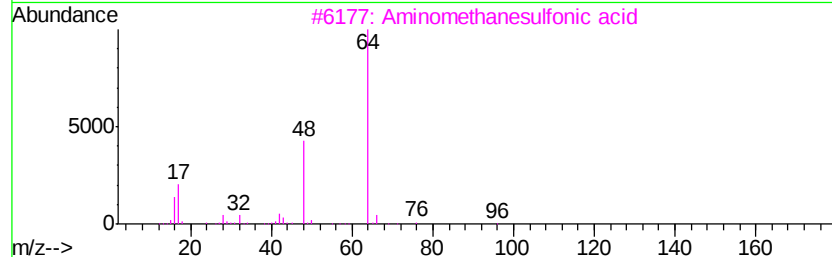
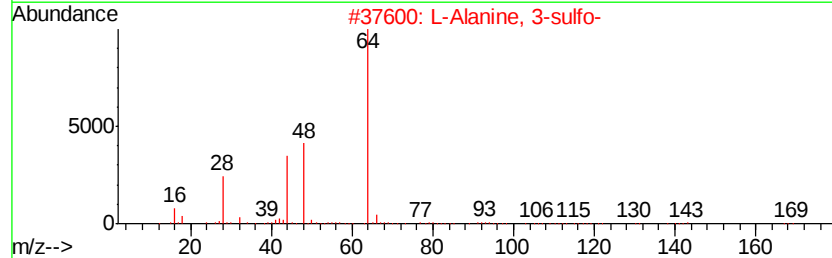
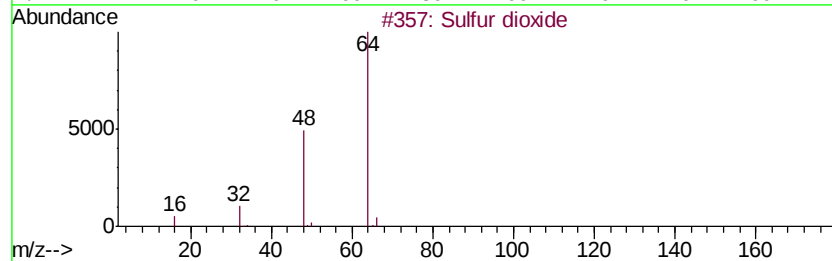
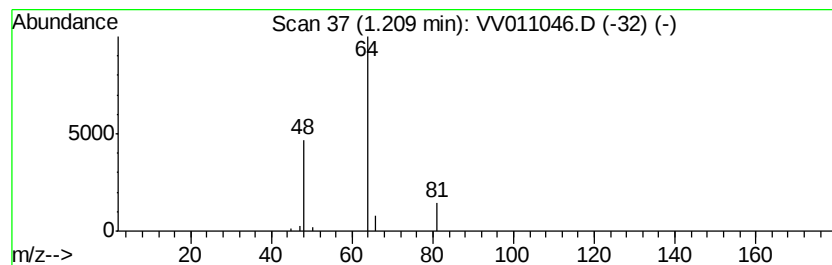
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	3.21 ug/L	28399	1,4-Difluorobenzene	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur dioxide	64 02S	007446-09-5	74
2	L-Alanine, 3-sulfo-	169 C3H7N05S	000498-40-8	9
3	Aminomethanesulfonic acid	111 CH5N03S	013881-91-9	9
4	2-Aminoethyl hydrogen sulfate	141 C2H7N04S	000926-39-6	9
5	Sulfur dioxide	64 02S	007446-09-5	4



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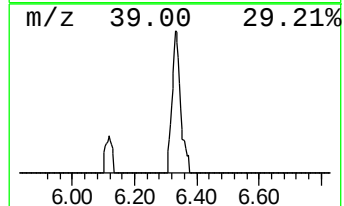
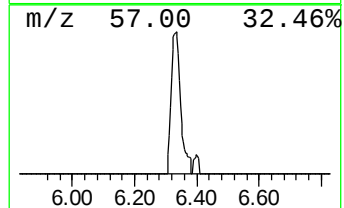
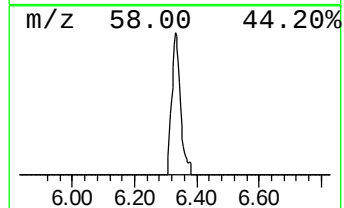
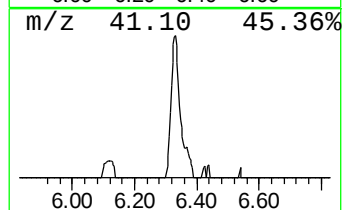
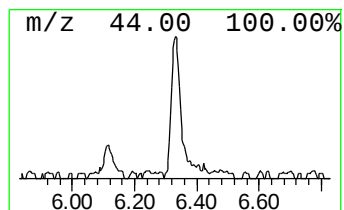
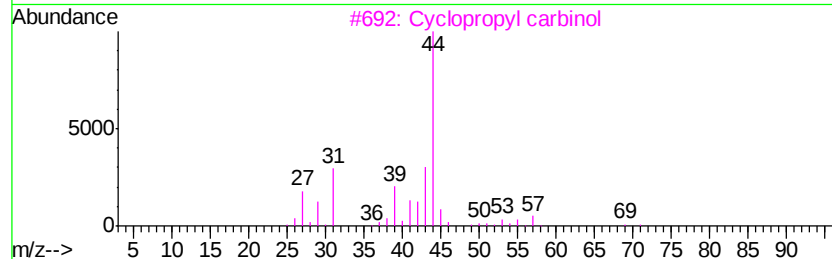
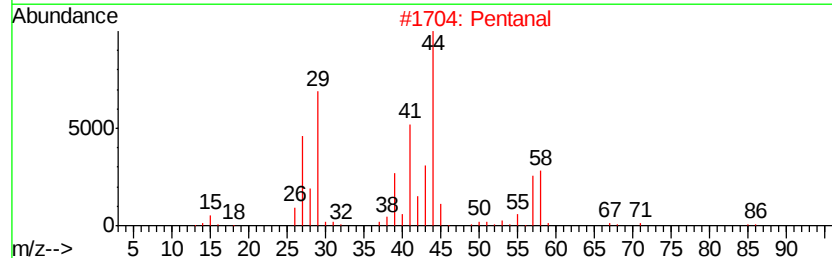
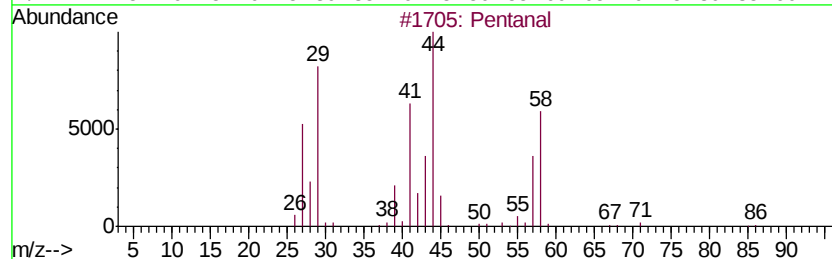
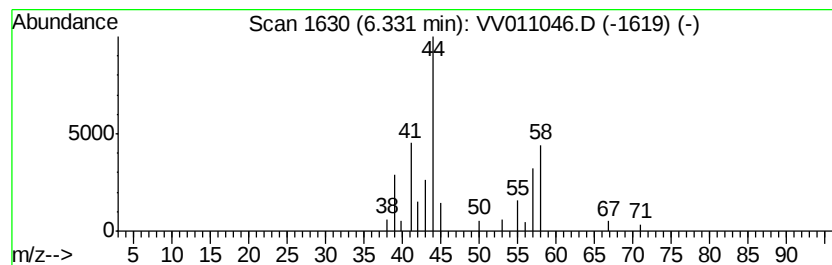
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.58 ug/L	22805	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	56
2		Pentanal	86	C5H10O	000110-62-3	56
3		Cyclopropyl carbinol	72	C4H8O	002516-33-8	38
4		Ethylene oxide	44	C2H4O	000075-21-8	5
5		Ethene, methoxy-	58	C3H6O	000107-25-5	5



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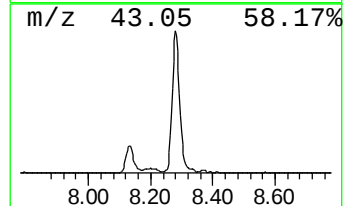
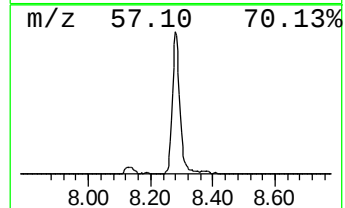
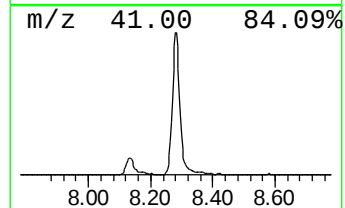
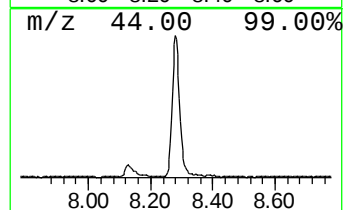
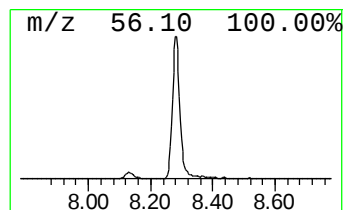
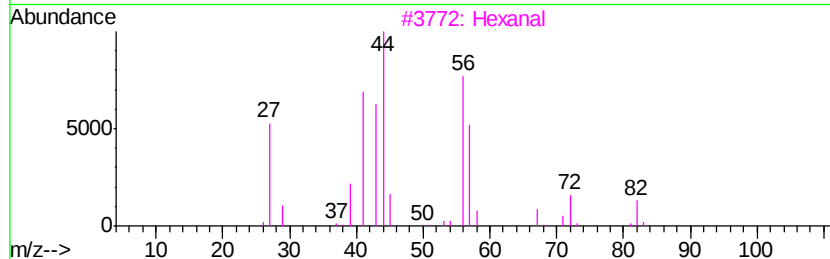
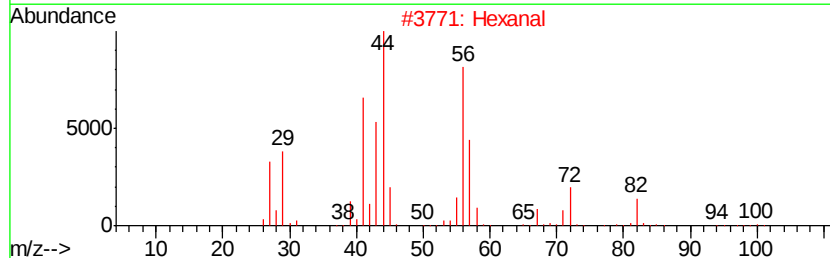
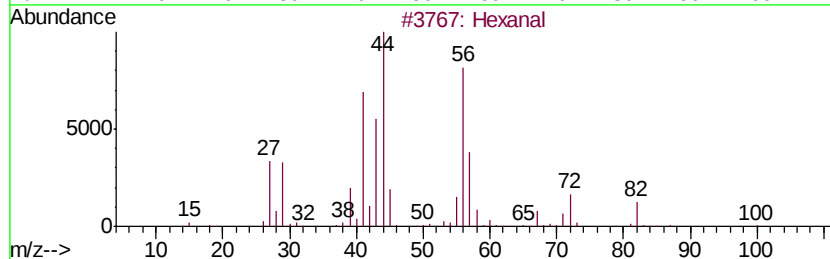
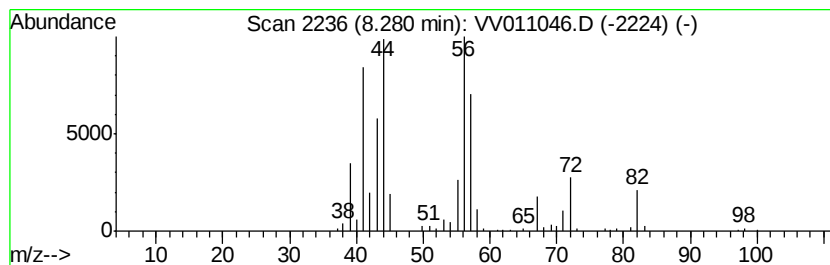
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Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	17.95 ug/L	195254	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	91
2		Hexanal	100	C6H12O	000066-25-1	87
3		Hexanal	100	C6H12O	000066-25-1	86
4		Hexanal	100	C6H12O	000066-25-1	83
5		Glutaraldehyde	100	C5H8O2	000111-30-8	35



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Operator : SY/MD
Sample : K3016-14
Misc : 5.14G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D1

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	1.21	3.2	ug/L	28399	1	5.66	221037	25.0
Pentanal	6.33	2.6	ug/L	22805	1	5.66	221037	25.0
Hexanal	8.28	17.9	ug/L	195254	2	8.89	271972	25.0