

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011033.D
 Acq On : 23 May 2019 18:02
 Operator : SY/MD
 Sample : K3017-02
 Misc : 5.05G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51G3

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	31	36	47	rVB2	13540	18222	5.02%	0.677%
2	1.315	64	70	79	rVB	27333	27217	7.50%	1.011%
3	1.386	88	92	100	rVB	4856	4652	1.28%	0.173%
4	1.505	127	129	132	rVB3	1302	711	0.20%	0.026%
5	1.560	140	146	154	rVB	19580	22587	6.23%	0.839%
6	1.807	218	223	236	rVB4	2103	2764	0.76%	0.103%
7	1.904	250	253	255	rBV2	909	613	0.17%	0.023%
8	1.978	268	276	281	rBV5	1124	1748	0.48%	0.065%
9	2.119	310	320	333	rVB2	49109	71034	19.58%	2.639%
10	2.190	333	342	350	rBV2	6382	9680	2.67%	0.360%
11	2.315	374	381	387	rBV5	1353	1714	0.47%	0.064%
12	2.357	392	394	399	rBV2	296	229	0.06%	0.009%
13	2.453	419	424	435	rVB3	1303	1771	0.49%	0.066%
14	2.527	439	447	455	rVB5	3821	5808	1.60%	0.216%
15	2.785	522	527	529	rBV2	403	269	0.07%	0.010%
16	3.064	604	614	626	rVB5	2499	4646	1.28%	0.173%
17	3.219	655	662	667	rVB4	601	853	0.24%	0.032%
18	3.283	676	682	685	rBV2	229	288	0.08%	0.011%
19	3.605	776	782	791	rVB2	178	359	0.10%	0.013%
20	3.746	819	826	827	rBV3	1622	1459	0.40%	0.054%
21	3.933	871	884	917	rBV	17170	47219	13.02%	1.754%
22	4.396	1011	1028	1050	rBV2	47451	112813	31.10%	4.191%
23	4.498	1056	1060	1062	rBV2	386	298	0.08%	0.011%
24	4.653	1105	1108	1114	rVB2	410	436	0.12%	0.016%
25	4.723	1126	1130	1136	rBV2	180	226	0.06%	0.008%
26	4.868	1170	1175	1177	rBV2	307	238	0.07%	0.009%
27	5.090	1227	1244	1266	rBV2	105934	262295	72.30%	9.744%
28	5.222	1282	1285	1292	rVB	264	285	0.08%	0.011%
29	5.341	1315	1322	1326	rBV2	200	322	0.09%	0.012%
30	5.373	1330	1332	1336	rVB2	368	267	0.07%	0.010%
31	5.572	1385	1394	1407	rBV3	2980	6288	1.73%	0.234%
32	5.659	1407	1421	1452	rVV	110898	228708	63.04%	8.496%
33	5.942	1504	1509	1516	rVB6	727	1077	0.30%	0.040%
34	6.058	1539	1545	1548	rBV	325	369	0.10%	0.014%

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35	6.116	1548	1563	1580	rBV2	62189	126014	34.73%	4.681%
36	6.231	1594	1599	1602	rVB4	332	336	0.09%	0.012%
37	6.328	1618	1629	1651	rBV2	16303	32219	8.88%	1.197%
38	6.595	1710	1712	1718	rVB2	229	234	0.06%	0.009%
39	6.649	1718	1729	1733	rBV2	432	672	0.19%	0.025%
40	6.704	1740	1746	1747	rBV	552	492	0.14%	0.018%
41	6.871	1793	1798	1802	rBV2	172	233	0.06%	0.009%
42	6.923	1807	1814	1817	rBV2	273	340	0.09%	0.013%
43	7.029	1833	1847	1868	rBV	30749	55466	15.29%	2.060%
44	7.154	1882	1886	1889	rBV2	308	249	0.07%	0.009%
45	7.183	1891	1895	1899	rVB2	501	409	0.11%	0.015%
46	7.357	1933	1949	1965	rBV	110623	196308	54.11%	7.292%
47	7.492	1988	1991	1993	rBV3	303	235	0.06%	0.009%
48	7.592	2017	2022	2024	rBV	231	227	0.06%	0.008%
49	7.662	2033	2044	2062	rBV2	20938	35425	9.76%	1.316%
50	7.833	2094	2097	2103	rVB2	252	286	0.08%	0.011%
51	7.916	2120	2123	2126	rBV	344	277	0.08%	0.010%
52	7.977	2137	2142	2153	rVB2	2699	4126	1.14%	0.153%
53	8.042	2158	2162	2167	rBV2	173	225	0.06%	0.008%
54	8.132	2179	2190	2207	rBV	64876	109379	30.15%	4.063%
55	8.280	2224	2236	2265	rBV	219098	362799	100.00%	13.477%
56	8.894	2414	2427	2445	rVV	180102	298872	82.38%	11.102%
57	9.055	2467	2477	2485	rBV2	917	1496	0.41%	0.056%
58	9.183	2509	2517	2521	rBV3	906	1312	0.36%	0.049%
59	9.354	2568	2570	2573	rBV2	280	220	0.06%	0.008%
60	9.431	2589	2594	2598	rBV2	238	318	0.09%	0.012%
61	9.540	2625	2628	2632	rVB3	491	348	0.10%	0.013%
62	9.579	2637	2640	2641	rVV2	532	267	0.07%	0.010%
63	9.588	2641	2643	2649	rVB2	812	686	0.19%	0.025%
64	9.662	2656	2666	2670	rBV4	365	509	0.14%	0.019%
65	9.852	2717	2725	2733	rBV4	4872	7006	1.93%	0.260%
66	9.974	2758	2763	2769	rBV3	806	1026	0.28%	0.038%
67	10.125	2806	2810	2813	rVB3	545	405	0.11%	0.015%
68	10.260	2840	2852	2868	rBV	85003	133299	36.74%	4.952%
69	10.370	2881	2886	2890	rBV2	234	307	0.08%	0.011%
70	10.421	2893	2902	2912	rVB3	3829	6061	1.67%	0.225%
71	10.566	2944	2947	2948	rBV	567	322	0.09%	0.012%

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72	10.620	2958	2964	2970	rBV3	1128	1582	0.44%	0.059%
73	10.762	3005	3008	3012	rVB3	542	455	0.13%	0.017%
74	10.807	3021	3022	3029	rVB2	483	384	0.11%	0.014%
75	10.948	3057	3066	3068	rBV2	754	960	0.26%	0.036%
76	11.193	3135	3142	3151	rBV6	4523	6521	1.80%	0.242%
77	11.231	3151	3154	3159	rVB3	571	494	0.14%	0.018%
78	11.296	3162	3174	3192	rBV	155494	254952	70.27%	9.471%
79	11.405	3204	3208	3212	rBV	267	314	0.09%	0.012%
80	11.572	3253	3260	3261	rBV2	1956	1577	0.43%	0.059%
81	11.672	3279	3291	3305	rBV	116100	186872	51.51%	6.942%
82	11.971	3380	3384	3387	rBV	231	239	0.07%	0.009%
83	12.051	3403	3409	3418	rBV6	2542	3723	1.03%	0.138%
84	12.296	3475	3485	3493	rVB3	1811	2788	0.77%	0.104%
85	12.392	3508	3515	3523	rBV4	3657	4825	1.33%	0.179%
86	12.697	3605	3610	3611	rBV3	412	314	0.09%	0.012%
87	12.935	3678	3684	3687	rVB3	650	557	0.15%	0.021%
88	13.312	3797	3801	3804	rVB2	283	228	0.06%	0.008%
89	13.485	3851	3855	3859	rBV	412	340	0.09%	0.013%
90	13.553	3871	3876	3880	rBV2	383	443	0.12%	0.016%
91	13.636	3898	3902	3905	rBV2	268	243	0.07%	0.009%
92	14.086	4033	4042	4051	rBV3	2309	3541	0.98%	0.132%
93	14.241	4088	4090	4098	rVB	377	222	0.06%	0.008%
94	14.855	4278	4281	4284	rVB	479	314	0.09%	0.012%
95	15.221	4391	4395	4400	rBV2	458	526	0.14%	0.020%
96	15.565	4499	4502	4506	rBV2	364	339	0.09%	0.013%
97	15.646	4521	4527	4529	rBV3	481	438	0.12%	0.016%
98	15.781	4566	4569	4572	rVB	4347	2307	0.64%	0.086%
99	16.035	4644	4648	4652	rBV2	293	322	0.09%	0.012%
100	17.028	4955	4957	4960	rVB4	469	260	0.07%	0.010%

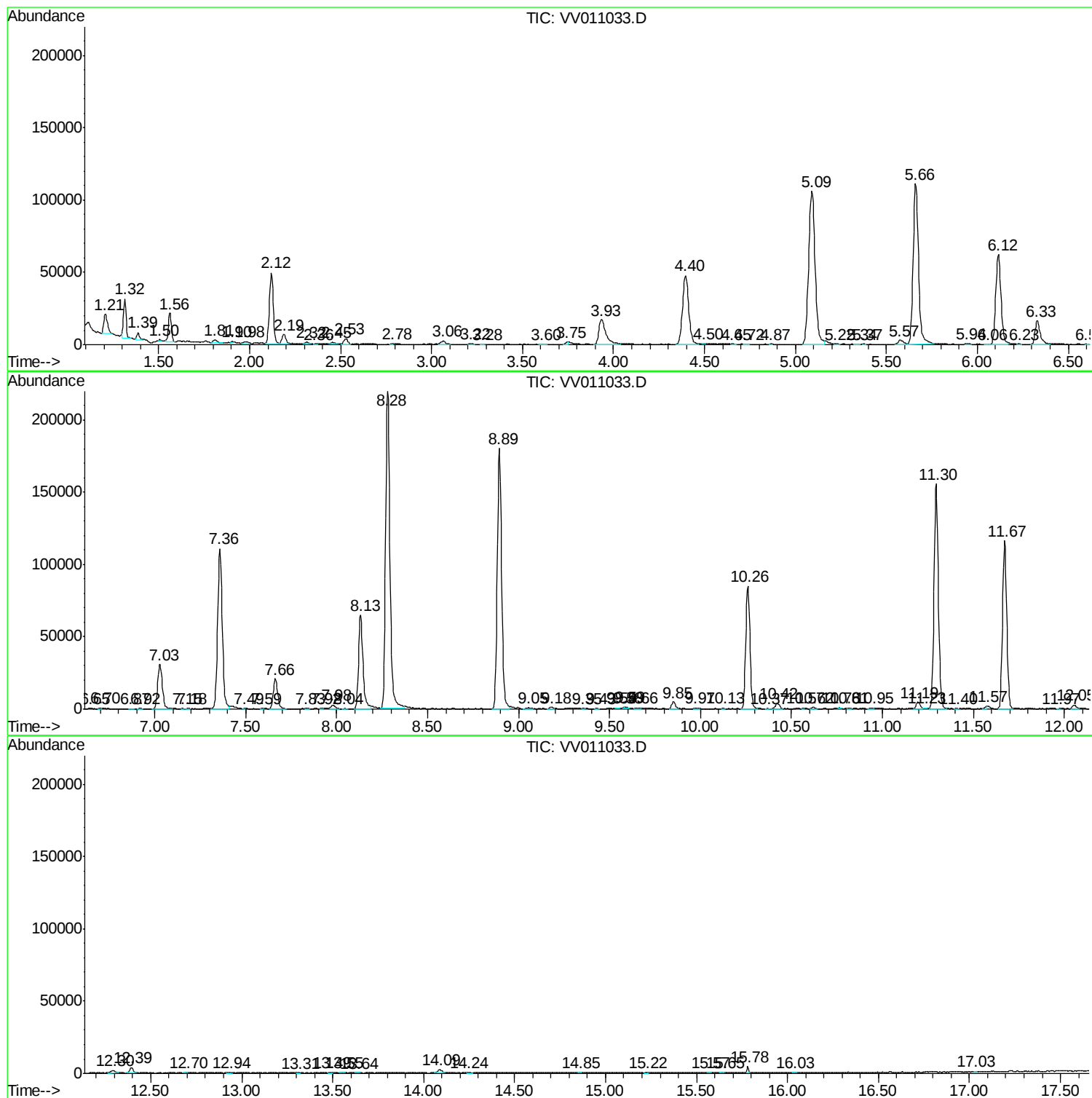
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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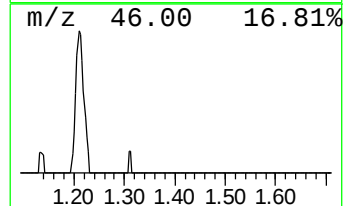
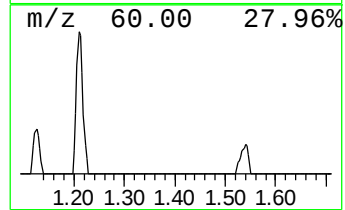
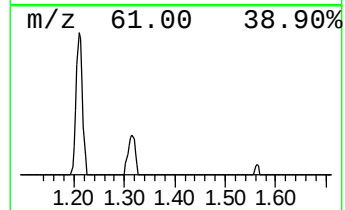
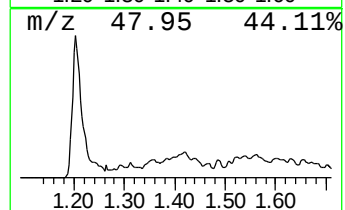
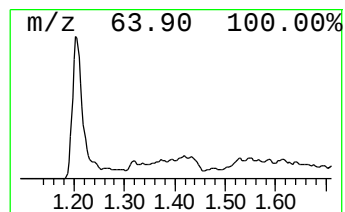
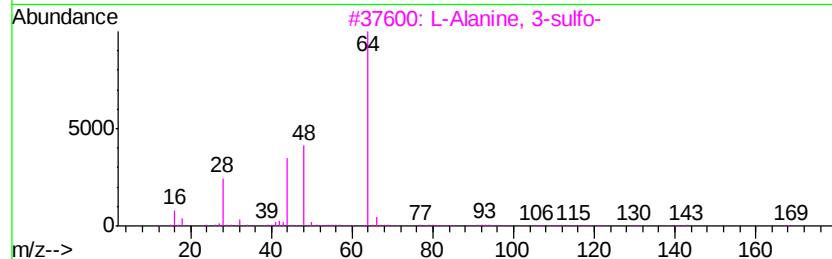
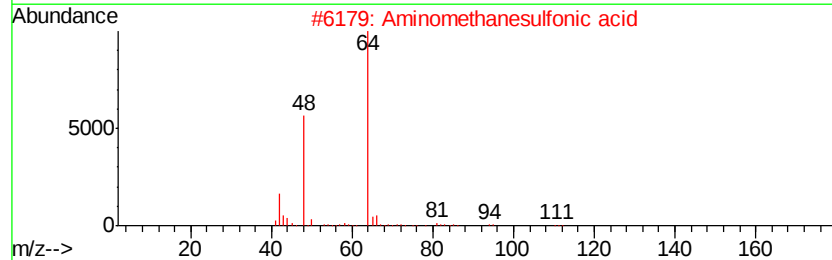
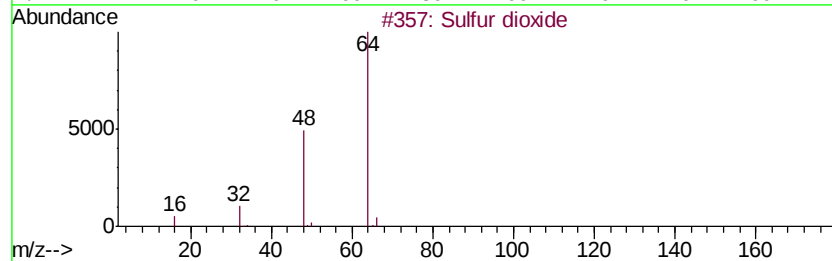
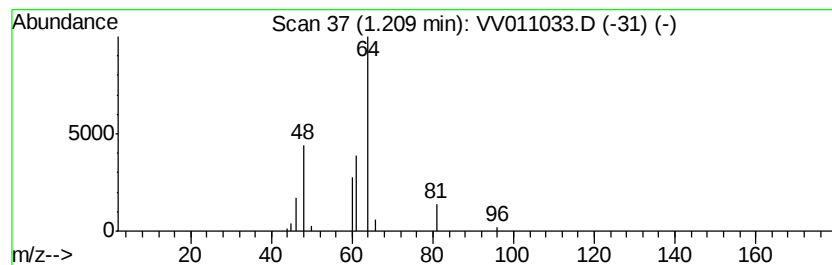
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	1.99 ug/L	18222	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfur dioxide	64	O2S	007446-09-5	56
2		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	56
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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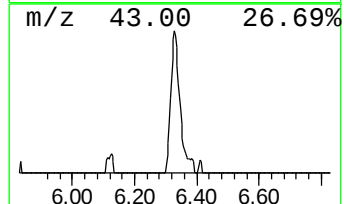
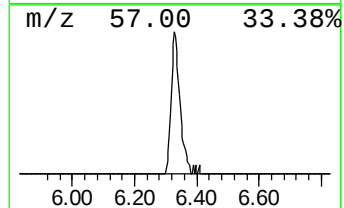
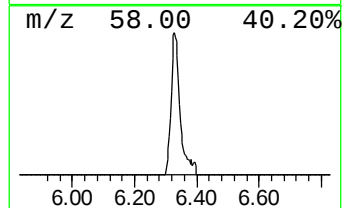
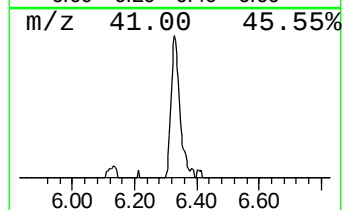
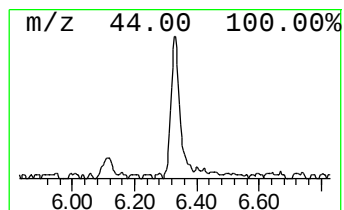
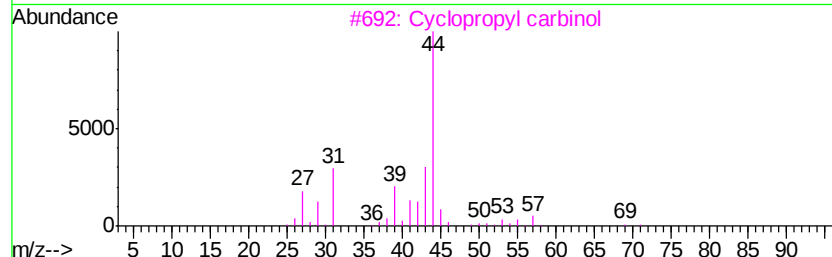
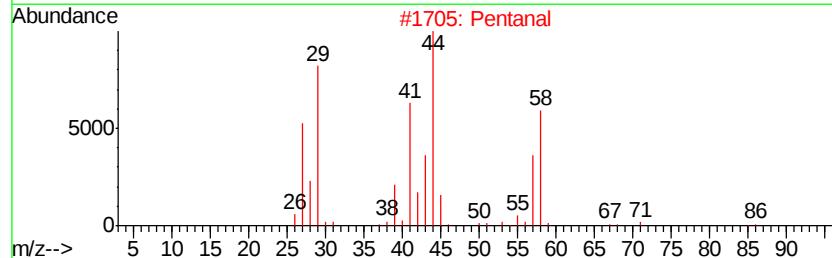
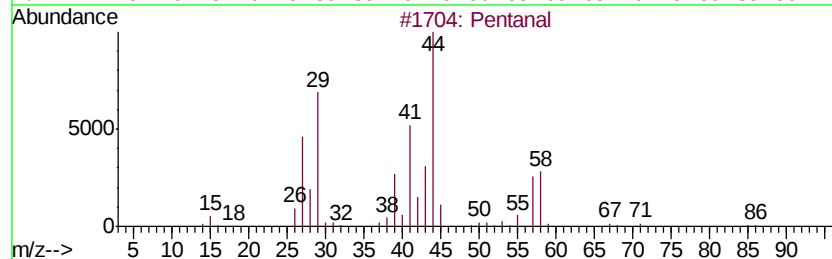
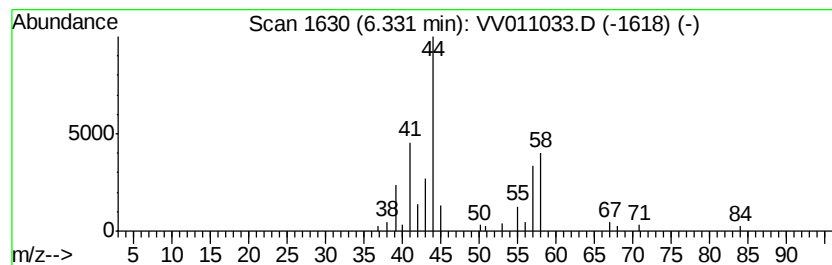
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	3.52 ug/L	32219	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	72
2	Pentanal			86	C5H10O	000110-62-3	56
3	Cyclopropyl carbinol			72	C4H8O	002516-33-8	40
4	Acetamide, 2-cyano-			84	C3H4N2O	000107-91-5	23
5	1-Octadecanamine, N-methyl-			283	C19H41N	002439-55-6	9



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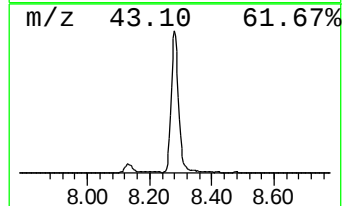
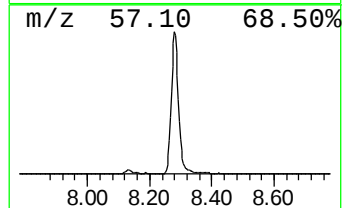
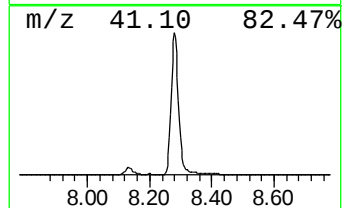
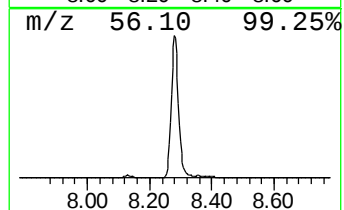
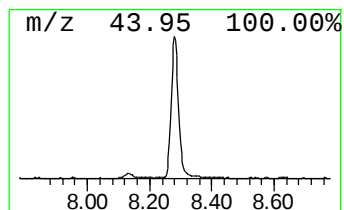
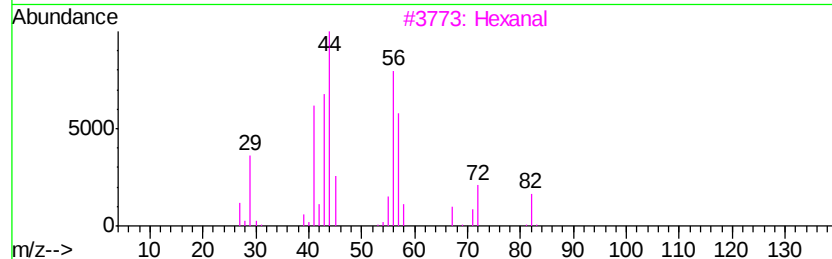
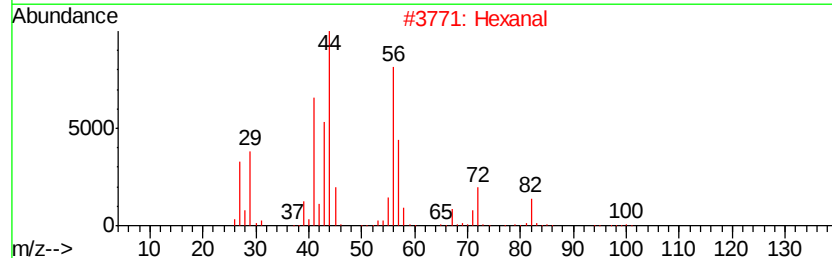
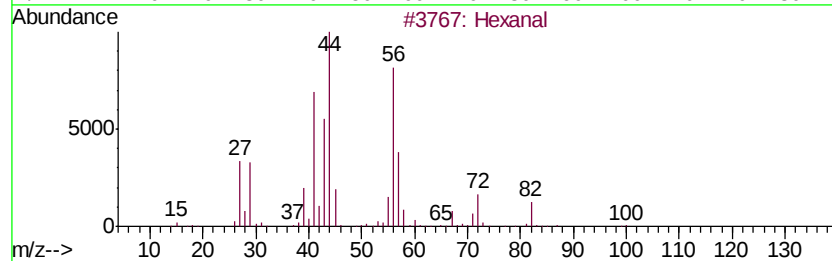
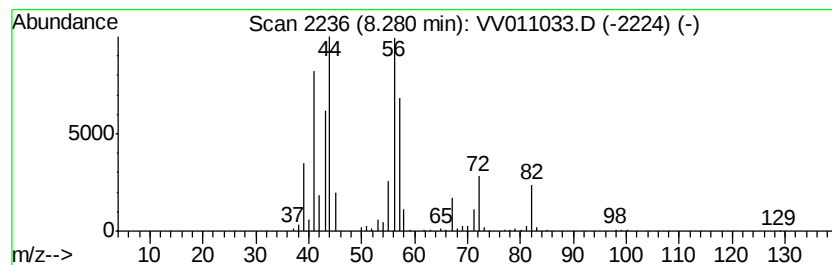
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	30.35 ug/L	362799	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	91
3		Hexanal	100	C6H12O	000066-25-1	83
4		Hexanal	100	C6H12O	000066-25-1	78
5		Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	40



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Operator : SY/MD
Sample : K3017-02
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51G3

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	2.0	ug/L	18222	1	5.66	228708	25.0
Pentanal	6.33	3.5	ug/L	32219	1	5.66	228708	25.0
Hexanal	8.28	30.4	ug/L	362799	2	8.89	298872	25.0