

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011048.D
 Acq On : 24 May 2019 03:11
 Operator : SY/MD
 Sample : K3016-16
 Misc : 4.84G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D3

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	53	rVB3	12968	21046	5.92%	0.747%
2	1.312	63	69	81	rVB	34058	34685	9.76%	1.232%
3	1.386	86	92	101	rVB	13607	13907	3.91%	0.494%
4	1.518	130	133	134	rBV3	920	512	0.14%	0.018%
5	1.563	141	147	155	rVB	26482	29306	8.24%	1.041%
6	1.811	218	224	232	rBV6	1729	2048	0.58%	0.073%
7	2.119	311	320	332	rVB	59705	83752	23.56%	2.975%
8	2.187	332	341	351	rBV	24754	35612	10.02%	1.265%
9	2.309	374	379	385	rBV3	946	1125	0.32%	0.040%
10	2.457	416	425	438	rVB	3809	6031	1.70%	0.214%
11	2.528	438	447	455	rVB4	2966	4692	1.32%	0.167%
12	2.647	477	484	485	rBV2	676	707	0.20%	0.025%
13	2.987	585	590	599	rVB4	843	1321	0.37%	0.047%
14	3.065	604	614	625	rVB4	2318	4536	1.28%	0.161%
15	3.151	636	641	646	rBV2	194	233	0.07%	0.008%
16	3.200	653	656	658	rBV	561	425	0.12%	0.015%
17	3.749	816	827	838	rBV4	2290	5381	1.51%	0.191%
18	3.933	873	884	907	rBV2	22810	58714	16.51%	2.085%
19	4.184	959	962	968	rVB2	377	280	0.08%	0.010%
20	4.396	1012	1028	1054	rBV	61457	153507	43.18%	5.452%
21	4.515	1063	1065	1070	rBV2	394	319	0.09%	0.011%
22	4.582	1083	1086	1089	rBV2	296	225	0.06%	0.008%
23	4.695	1116	1121	1123	rBV2	258	221	0.06%	0.008%
24	5.090	1227	1244	1267	rBV2	144244	355532	100.00%	12.627%
25	5.373	1325	1332	1342	rBV5	1036	1762	0.50%	0.063%
26	5.531	1378	1381	1383	rBV	288	223	0.06%	0.008%
27	5.582	1386	1397	1406	rBV2	1693	2879	0.81%	0.102%
28	5.659	1409	1421	1444	rBV	107638	214564	60.35%	7.620%
29	5.936	1504	1507	1510	rBV2	640	567	0.16%	0.020%
30	6.116	1549	1563	1586	rBV	90020	177994	50.06%	6.322%
31	6.245	1597	1603	1607	rBV4	592	641	0.18%	0.023%
32	6.331	1620	1630	1646	rBV4	10741	21479	6.04%	0.763%
33	6.698	1741	1744	1750	rVB2	586	572	0.16%	0.020%
34	6.936	1811	1818	1819	rVB	378	380	0.11%	0.013%

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35	7.026	1836	1846	1861	rVV	39079	69133	19.44%	2.455%
36	7.187	1886	1896	1905	rBV4	1302	2208	0.62%	0.078%
37	7.273	1921	1923	1928	rBV	336	266	0.07%	0.009%
38	7.357	1933	1949	1964	rBV	138681	244726	68.83%	8.692%
39	7.502	1988	1994	2000	rBV2	418	628	0.18%	0.022%
40	7.608	2022	2027	2031	rBV3	405	466	0.13%	0.017%
41	7.662	2034	2044	2058	rBV	26470	44250	12.45%	1.572%
42	7.955	2129	2135	2136	rVV3	416	345	0.10%	0.012%
43	7.978	2136	2142	2155	rVB5	3027	5546	1.56%	0.197%
44	8.132	2179	2190	2212	rBV	85811	152491	42.89%	5.416%
45	8.280	2225	2236	2262	rBV	109295	179726	50.55%	6.383%
46	8.894	2415	2427	2448	rBV	165236	267700	75.30%	9.508%
47	9.119	2493	2497	2501	rBV	264	224	0.06%	0.008%
48	9.183	2512	2517	2522	rBV4	552	625	0.18%	0.022%
49	9.264	2533	2542	2545	rBV3	888	1390	0.39%	0.049%
50	9.350	2567	2569	2571	rBV2	684	337	0.09%	0.012%
51	9.492	2610	2613	2618	rBV	203	225	0.06%	0.008%
52	9.643	2656	2660	2663	rBV2	363	307	0.09%	0.011%
53	9.695	2673	2676	2680	rVB3	514	450	0.13%	0.016%
54	9.736	2684	2689	2692	rBV2	231	234	0.07%	0.008%
55	9.849	2717	2724	2735	rVV4	7135	9993	2.81%	0.355%
56	9.968	2759	2761	2765	rVV2	284	225	0.06%	0.008%
57	9.990	2765	2768	2775	rVV2	446	503	0.14%	0.018%
58	10.080	2794	2796	2801	rVB2	365	268	0.08%	0.010%
59	10.106	2801	2804	2809	rBV2	331	266	0.07%	0.009%
60	10.260	2840	2852	2867	rVV	109958	171127	48.13%	6.078%
61	10.421	2893	2902	2914	rBV3	5863	9625	2.71%	0.342%
62	10.547	2937	2941	2945	rBV3	556	423	0.12%	0.015%
63	10.621	2957	2964	2971	rBV6	1446	1910	0.54%	0.068%
64	10.759	3001	3007	3013	rVB4	781	1028	0.29%	0.037%
65	10.804	3015	3021	3022	rBV3	476	390	0.11%	0.014%
66	10.945	3059	3065	3067	rBV4	749	792	0.22%	0.028%
67	11.032	3088	3092	3096	rBV2	190	229	0.06%	0.008%
68	11.196	3135	3143	3153	rVB5	5075	7947	2.24%	0.282%
69	11.293	3163	3173	3194	rVV	108266	177360	49.89%	6.299%
70	11.373	3196	3198	3204	rVB3	321	241	0.07%	0.009%
71	11.482	3224	3232	3236	rBV3	268	345	0.10%	0.012%

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72	11.579	3253	3262	3270	rBV4	4039	6158	1.73%	0.219%
73	11.672	3280	3291	3304	rBV	115173	182522	51.34%	6.482%
74	11.826	3334	3339	3346	rVB4	450	507	0.14%	0.018%
75	12.058	3404	3411	3416	rVV3	2150	3027	0.85%	0.108%
76	12.293	3475	3484	3494	rVB2	4274	6614	1.86%	0.235%
77	12.395	3508	3516	3523	rVB5	3977	5043	1.42%	0.179%
78	12.720	3609	3617	3623	rBV3	2694	3469	0.98%	0.123%
79	12.784	3634	3637	3642	rBV4	342	339	0.10%	0.012%
80	12.926	3678	3681	3690	rVB4	665	650	0.18%	0.023%
81	13.190	3760	3763	3767	rVB3	569	419	0.12%	0.015%
82	13.588	3883	3887	3892	rBV	240	249	0.07%	0.009%
83	13.630	3893	3900	3907	rBV3	1419	1876	0.53%	0.067%
84	13.685	3914	3917	3925	rBV2	200	322	0.09%	0.011%
85	14.090	4032	4043	4053	rBV	6221	10232	2.88%	0.363%
86	14.186	4070	4073	4078	rBV4	366	322	0.09%	0.011%
87	14.228	4084	4086	4088	rBV2	442	227	0.06%	0.008%
88	14.784	4253	4259	4265	rBV2	381	523	0.15%	0.019%
89	14.913	4296	4299	4305	rVB3	255	212	0.06%	0.008%
90	15.193	4382	4386	4392	rBV2	305	368	0.10%	0.013%
91	15.427	4456	4459	4464	rVB	379	321	0.09%	0.011%
92	15.591	4503	4510	4518	rBV3	285	547	0.15%	0.019%
93	15.624	4518	4520	4524	rBV3	329	235	0.07%	0.008%
94	15.810	4575	4578	4581	rBV2	250	246	0.07%	0.009%
95	16.260	4717	4718	4724	rVB2	423	355	0.10%	0.013%
96	16.652	4837	4840	4841	rBV2	377	244	0.07%	0.009%
97	16.948	4930	4932	4936	rVB3	565	231	0.06%	0.008%
98	17.250	5023	5026	5030	rVB4	736	428	0.12%	0.015%
99	17.366	5060	5062	5065	rBV3	569	341	0.10%	0.012%
100	17.601	5133	5135	5139	rVB2	870	499	0.14%	0.018%

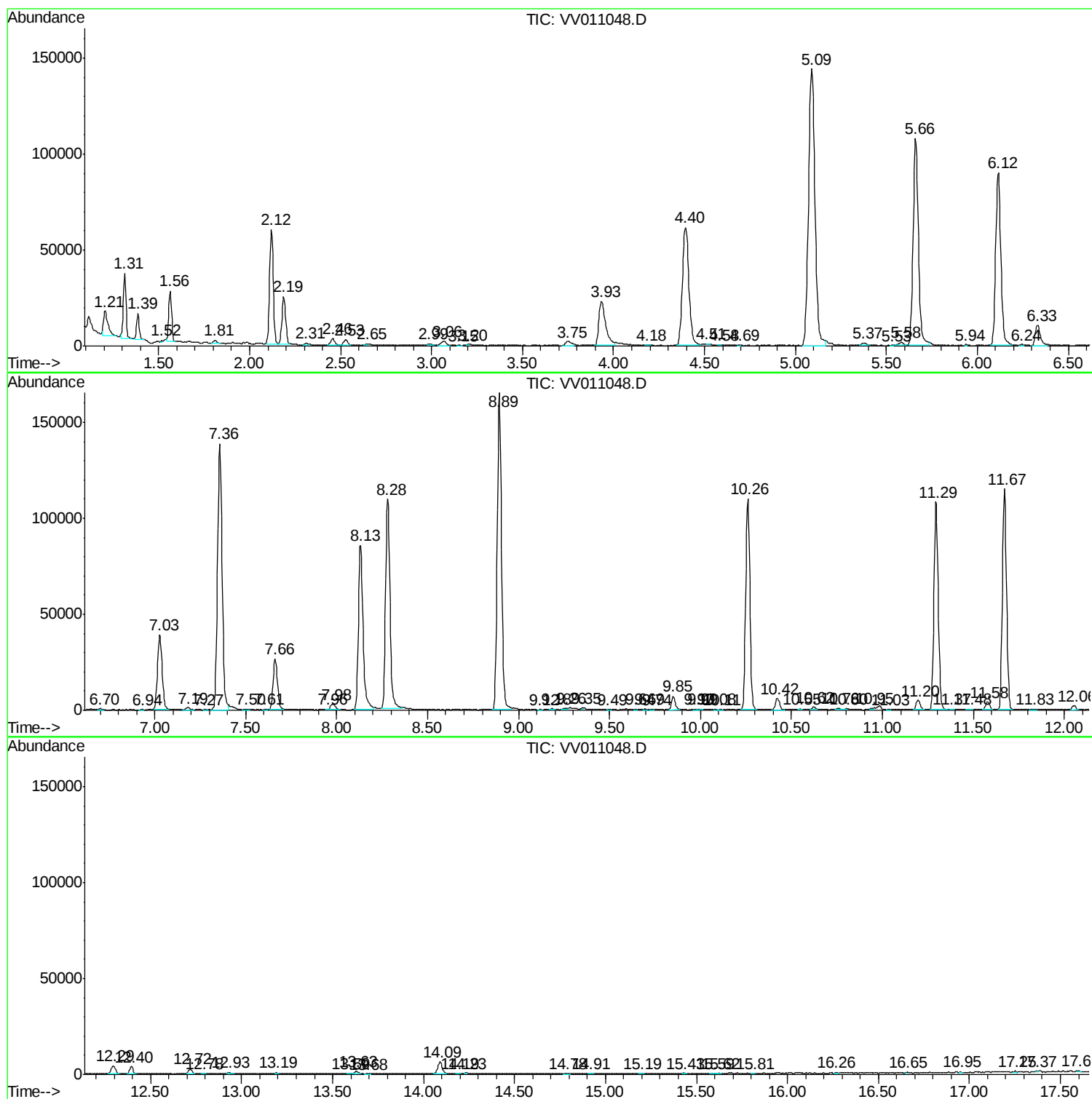
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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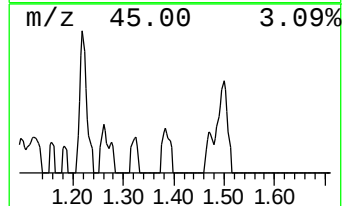
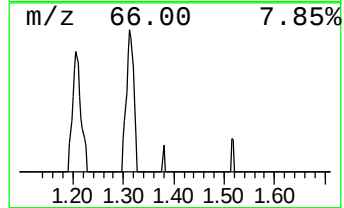
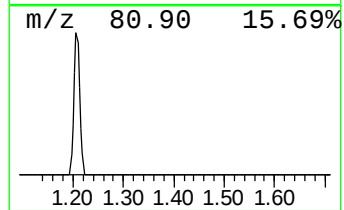
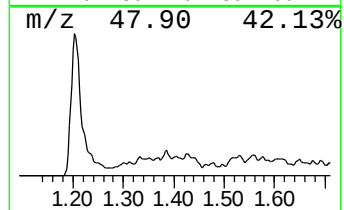
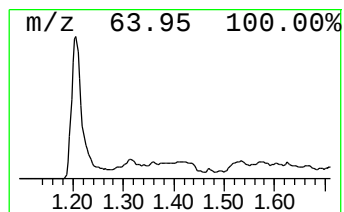
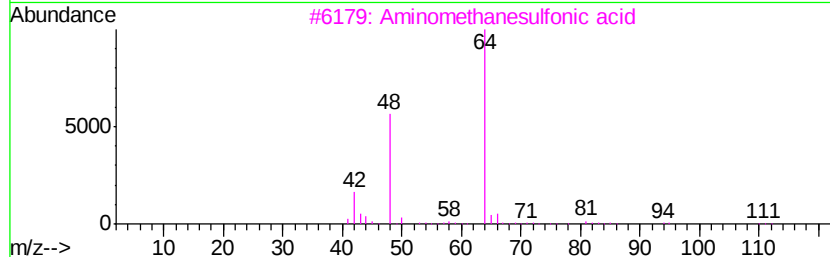
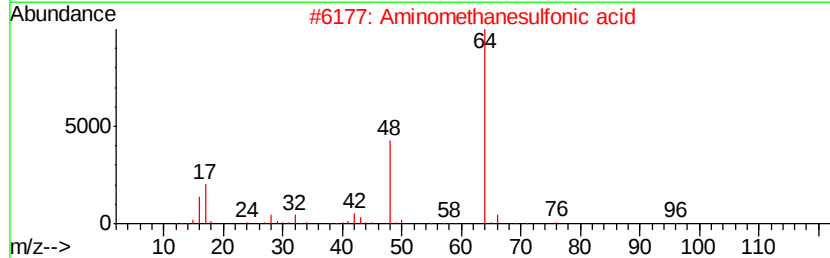
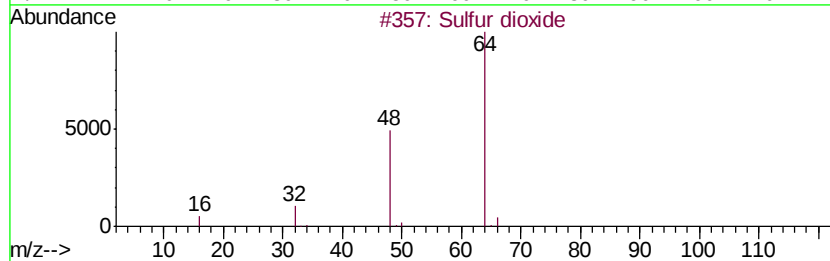
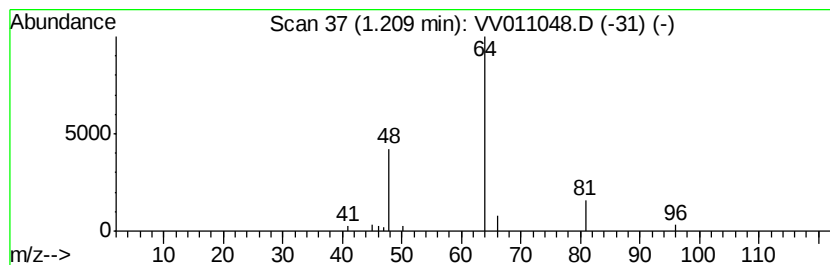
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM052019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	2.45 ug/L	21046	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		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4		L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5		2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	9



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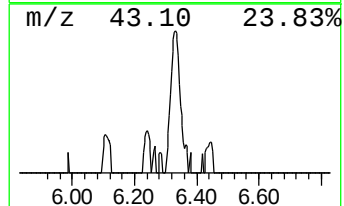
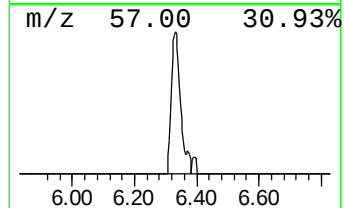
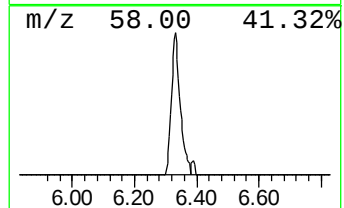
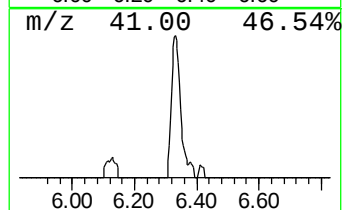
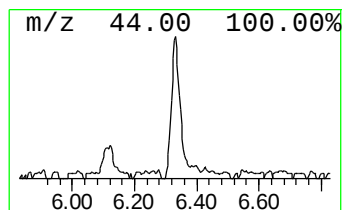
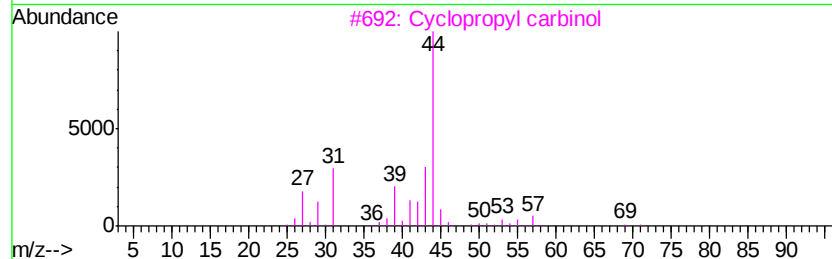
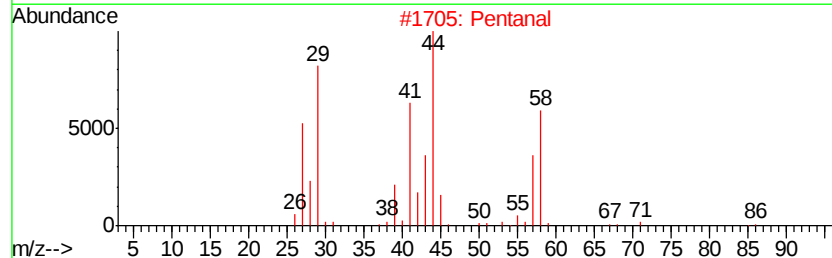
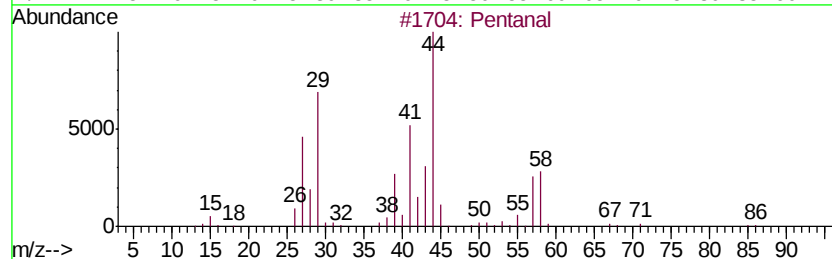
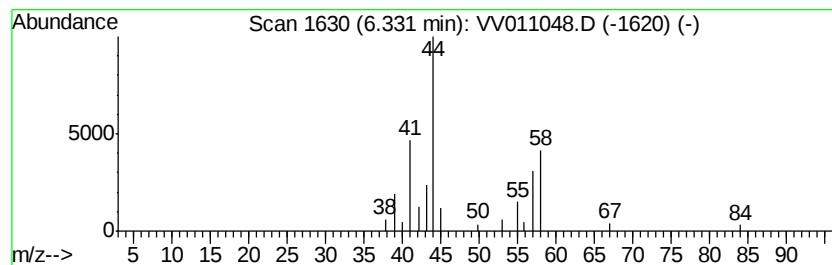
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.50 ug/L	21479	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	38
4	Acetamide, 2-cyano-			84	C3H4N2O	000107-91-5	23
5	Ethene, methoxy-			58	C3H6O	000107-25-5	4



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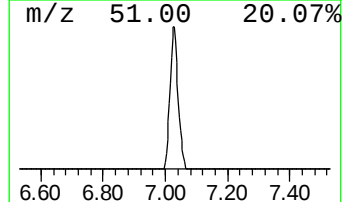
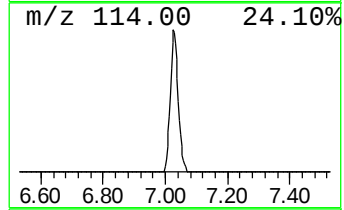
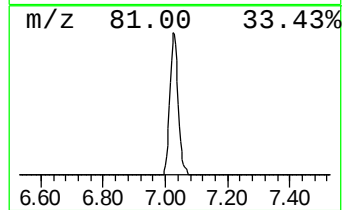
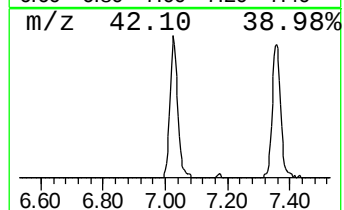
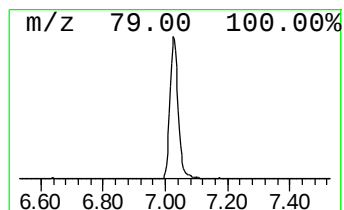
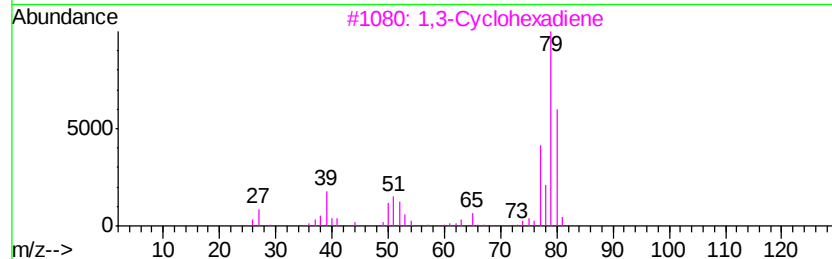
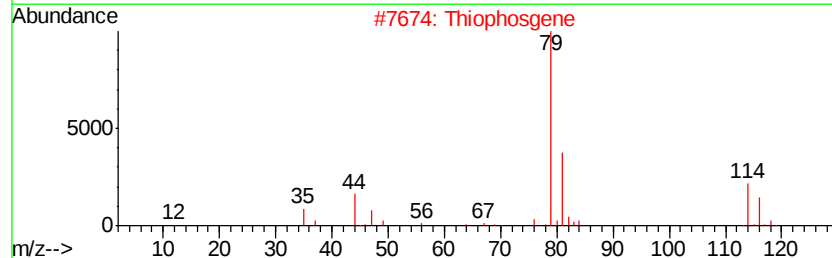
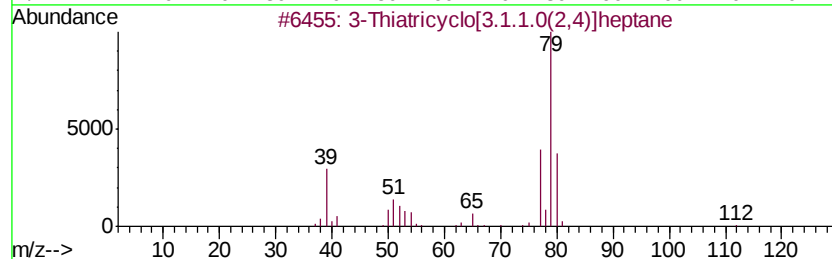
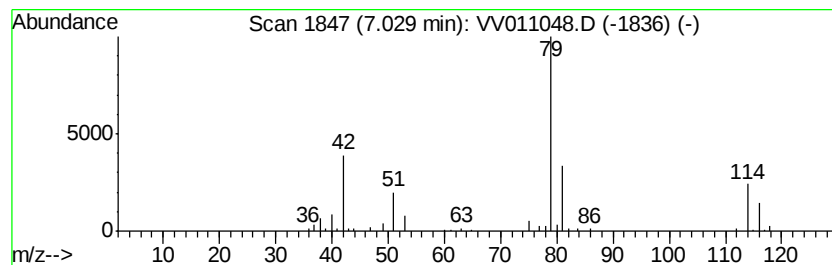
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Peak Number 4 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	8.06 ug/L	69133	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	38
2			Thiophosgene	114	CCl2S	000463-71-8	38
3			1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
4			Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
5			1,3,5-Hexatriene, (Z)-	80	C6H8	002612-46-6	25



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV052319\
Data File : VV011048.D
Acq On : 24 May 2019 03:11
Operator : SY/MD
Sample : K3016-16
Misc : 4.84G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D3

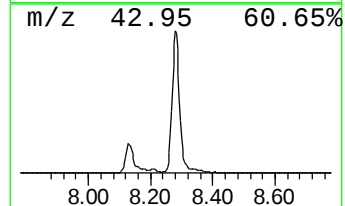
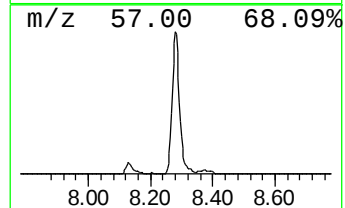
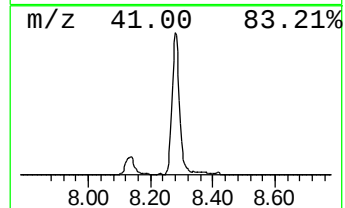
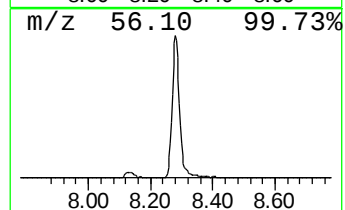
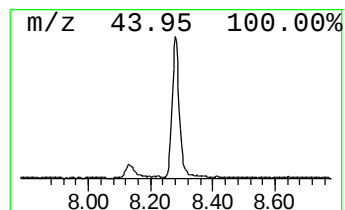
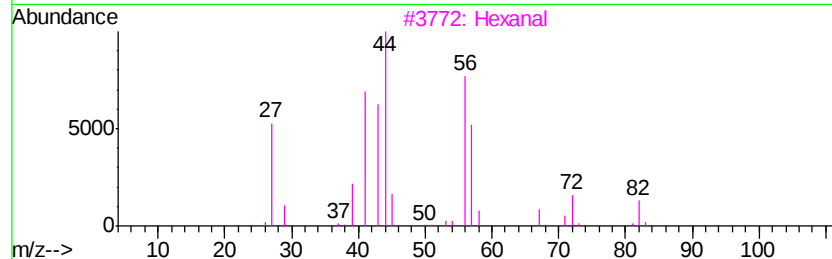
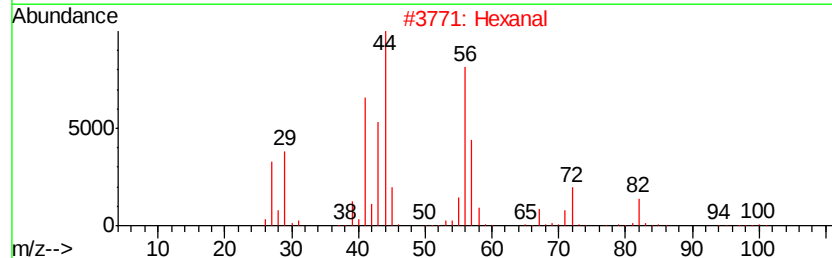
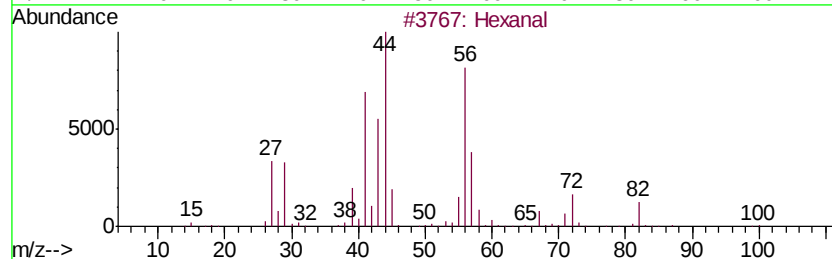
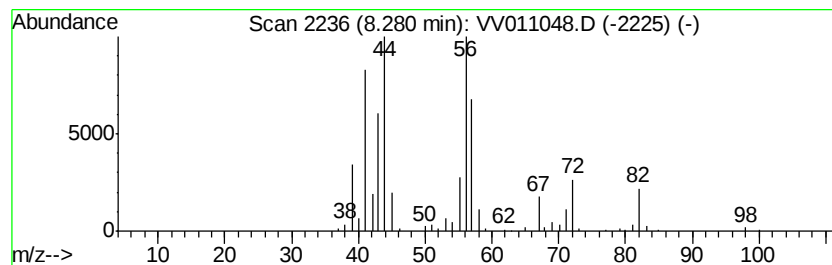
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Quant Title : VOC Analysis

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

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	16.78 ug/L	179726	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	86
3		Hexanal	100	C6H12O	000066-25-1	86
4		Hexanal	100	C6H12O	000066-25-1	83
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011048.D
Acq On : 24 May 2019 03:11
Operator : SY/MD
Sample : K3016-16
Misc : 4.84G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D3

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	2.5	ug/L	21046	1	5.66	214564	25.0
Pentanal	6.33	2.5	ug/L	21479	1	5.66	214564	25.0
unknown-01	7.03	8.1	ug/L	69133	1	5.66	214564	25.0
Hexanal	8.28	16.8	ug/L	179726	2	8.89	267700	25.0