

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009480.D
 Acq On : 26 Mar 2019 23:11
 Operator : SY/VA
 Sample : K2065-14
 Misc : 5.37G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5M9

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_W\METHOD\SOM2WLM031419S.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	2.361	69	75	86	rVB	43584	99390	10.98%	1.541%
2	3.836	315	317	318	rBV	2491	1835	0.20%	0.028%
3	4.019	336	347	359	rBV3	78258	270018	29.83%	4.186%
4	4.196	369	376	387	rBV2	63779	173324	19.15%	2.687%
5	4.531	429	431	432	rVB	2154	1001	0.11%	0.016%
6	4.592	439	441	442	rVB	2245	1249	0.14%	0.019%
7	4.775	469	471	473	rBV	1731	1294	0.14%	0.020%
8	4.848	482	483	485	rBV	2024	2086	0.23%	0.032%
9	5.141	530	531	533	rBV	2031	1656	0.18%	0.026%
10	5.165	533	535	536	rVB	1727	1177	0.13%	0.018%
11	5.312	557	559	560	rBV	1620	1127	0.12%	0.017%
12	5.397	572	573	576	rBV2	2097	1826	0.20%	0.028%
13	5.422	576	577	578	rVB	2792	1022	0.11%	0.016%
14	5.440	578	580	582	rBV	1212	1235	0.14%	0.019%
15	5.489	586	588	589	rVB	2685	1452	0.16%	0.023%
16	5.562	599	600	602	rVV	1610	868	0.10%	0.013%
17	5.580	602	603	605	rVB	2369	1636	0.18%	0.025%
18	5.598	605	606	608	rBV	1504	1060	0.12%	0.016%
19	5.714	624	625	628	rVB	1505	980	0.11%	0.015%
20	5.885	652	653	655	rBV	3466	3073	0.34%	0.048%
21	5.903	655	656	657	rBV	2691	1640	0.18%	0.025%
22	6.043	677	679	681	rBV2	1106	903	0.10%	0.014%
23	6.153	693	697	698	rBV	1988	2228	0.25%	0.035%
24	6.257	713	714	715	rBV2	1595	871	0.10%	0.014%
25	6.306	720	722	726	rVB3	1722	1789	0.20%	0.028%
26	6.470	746	749	750	rVB	1518	1524	0.17%	0.024%
27	6.501	750	754	757	rBV	1813	2675	0.30%	0.041%
28	6.592	768	769	772	rVV	1540	1210	0.13%	0.019%
29	6.805	801	804	806	rBV	1634	1553	0.17%	0.024%
30	6.873	813	815	818	rVB2	1963	1564	0.17%	0.024%
31	6.909	818	821	822	rVB	1722	1714	0.19%	0.027%
32	7.019	837	839	841	rVB2	1917	1140	0.13%	0.018%
33	7.080	841	849	854	rBV2	19796	57670	6.37%	0.894%
34	7.214	869	871	873	rVB	1981	1368	0.15%	0.021%

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 Title : VOC Analysis

35	7.324	887	889	890	rBV	2541	2064	0.23%	0.032%
36	7.354	892	894	897	rVB	3037	2849	0.31%	0.044%
37	7.433	906	907	908	rBV	1774	849	0.09%	0.013%
38	7.513	918	920	923	rBV	1475	1492	0.16%	0.023%
39	7.641	932	941	952	rBV	170078	428731	47.37%	6.647%
40	7.775	961	963	965	rVV2	1587	1644	0.18%	0.025%
41	7.799	965	967	968	rVB	1722	904	0.10%	0.014%
42	7.836	971	973	976	rVB	1934	2144	0.24%	0.033%
43	7.958	987	993	994	rVB	666	1129	0.12%	0.018%
44	7.982	994	997	1000	rBV3	1629	2612	0.29%	0.040%
45	8.104	1016	1017	1020	rVB	1382	1103	0.12%	0.017%
46	8.153	1020	1025	1027	rVB	2279	3154	0.35%	0.049%
47	8.171	1027	1028	1030	rBV	2203	2186	0.24%	0.034%
48	8.275	1035	1045	1062	rBV2	286396	905077	100.00%	14.032%
49	8.427	1069	1070	1071	rVB	2869	1049	0.12%	0.016%
50	8.458	1071	1075	1077	rBV	2354	2804	0.31%	0.043%
51	8.500	1080	1082	1084	rVV	1631	1235	0.14%	0.019%
52	8.543	1087	1089	1090	rBV	1191	1118	0.12%	0.017%
53	8.598	1096	1098	1099	rVB2	1647	1101	0.12%	0.017%
54	8.628	1102	1103	1106	rBV	1522	1099	0.12%	0.017%
55	8.744	1120	1122	1123	rBV	1523	931	0.10%	0.014%
56	8.842	1129	1138	1147	rBV	328944	662178	73.16%	10.266%
57	9.031	1166	1169	1172	rBV3	2200	3812	0.42%	0.059%
58	9.061	1172	1174	1182	rVV6	3233	6939	0.77%	0.108%
59	9.122	1182	1184	1185	rVB	1979	1025	0.11%	0.016%
60	9.275	1199	1209	1221	rBV	226899	467424	51.64%	7.247%
61	9.439	1232	1236	1240	rVB2	3086	4699	0.52%	0.073%
62	9.476	1240	1242	1245	rBV2	1983	2759	0.30%	0.043%
63	9.561	1255	1256	1258	rBV	1682	1116	0.12%	0.017%
64	9.634	1265	1268	1270	rBV	1633	1796	0.20%	0.028%
65	9.665	1270	1273	1276	rBV2	2679	2858	0.32%	0.044%
66	9.738	1282	1285	1286	rBV	2814	2653	0.29%	0.041%
67	9.890	1304	1310	1313	rBV4	4901	10781	1.19%	0.167%
68	9.963	1321	1322	1324	rBV	1586	1070	0.12%	0.017%
69	10.030	1326	1333	1341	rVV	64738	124530	13.76%	1.931%
70	10.134	1344	1350	1356	rVB2	25635	50639	5.59%	0.785%
71	10.256	1365	1370	1371	rBV2	3280	5161	0.57%	0.080%

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72	10.323	1374	1381	1388	rBV	333820	580273	64.11%	8.996%
73	10.488	1406	1408	1411	rBV2	2198	2551	0.28%	0.040%
74	10.579	1417	1423	1432	rVB2	51037	92601	10.23%	1.436%
75	10.707	1439	1444	1447	rBV3	3654	6307	0.70%	0.098%
76	10.762	1452	1453	1455	rBV2	3456	3678	0.41%	0.057%
77	10.927	1474	1480	1492	rBV4	79154	215191	23.78%	3.336%
78	11.628	1589	1595	1603	rVB	423340	715861	79.09%	11.098%
79	11.829	1626	1628	1630	rBV2	3456	2956	0.33%	0.046%
80	12.256	1696	1698	1700	rVB2	2309	1674	0.18%	0.026%
81	12.280	1700	1702	1704	rVB2	1224	985	0.11%	0.015%
82	12.353	1710	1714	1715	rBV3	1915	2758	0.30%	0.043%
83	12.469	1728	1733	1740	rBV6	7265	14951	1.65%	0.232%
84	12.591	1746	1753	1760	rBV5	20076	48684	5.38%	0.755%
85	12.695	1761	1770	1777	rBV	215846	365528	40.39%	5.667%
86	12.963	1808	1814	1819	rBV5	7004	14148	1.56%	0.219%
87	13.195	1848	1852	1859	rVB3	22788	39948	4.41%	0.619%
88	13.414	1879	1888	1893	rBV4	19240	41871	4.63%	0.649%
89	13.560	1906	1912	1917	rBV	319834	501967	55.46%	7.782%
90	13.853	1954	1960	1966	rBV	239034	408255	45.11%	6.329%
91	14.072	1993	1996	2001	rBV3	9001	13996	1.55%	0.217%
92	14.243	2022	2024	2025	rBV2	1658	1195	0.13%	0.019%
93	14.286	2030	2031	2034	rBV	2368	2210	0.24%	0.034%
94	14.322	2035	2037	2038	rBV	2353	1579	0.17%	0.024%
95	14.792	2111	2114	2117	rBV	2733	4190	0.46%	0.065%
96	14.895	2129	2131	2134	rBV2	2010	1845	0.20%	0.029%
97	15.273	2191	2193	2195	rBV	2502	1592	0.18%	0.025%
98	15.688	2259	2261	2263	rBV	2079	1400	0.15%	0.022%
99	15.749	2270	2271	2272	rBV	1927	922	0.10%	0.014%
100	16.724	2429	2431	2433	rBV	1933	1247	0.14%	0.019%

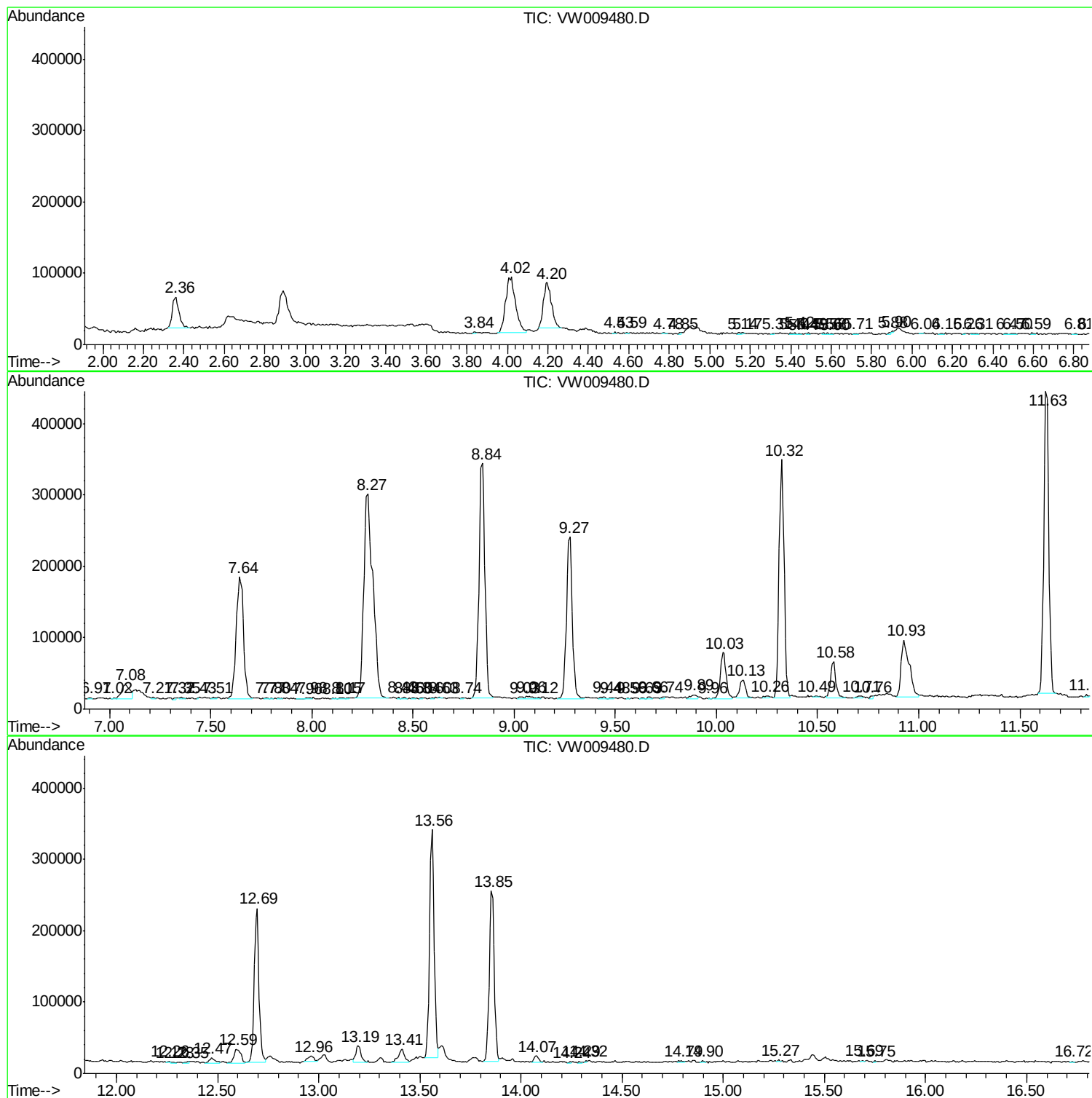
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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



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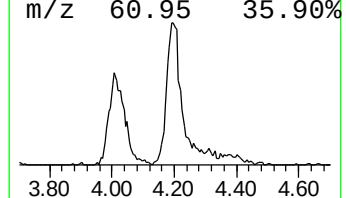
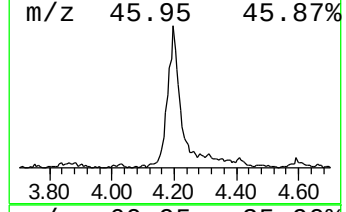
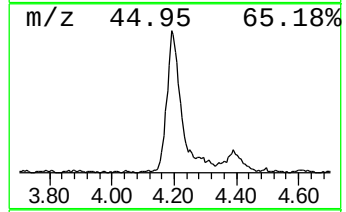
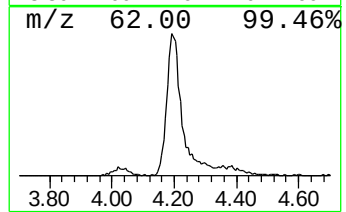
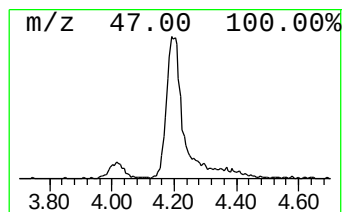
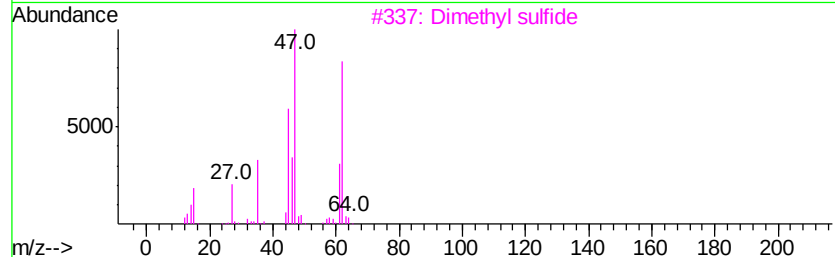
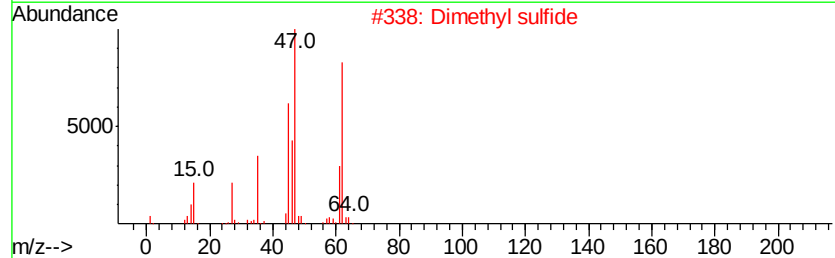
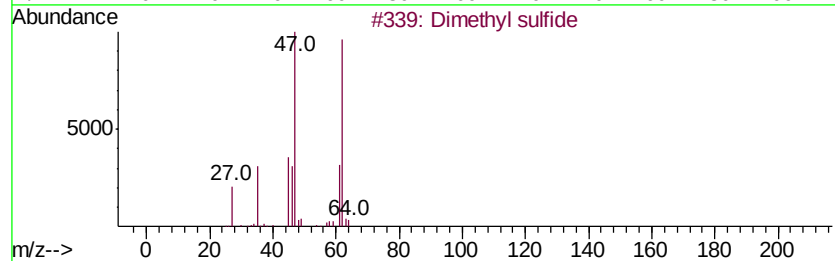
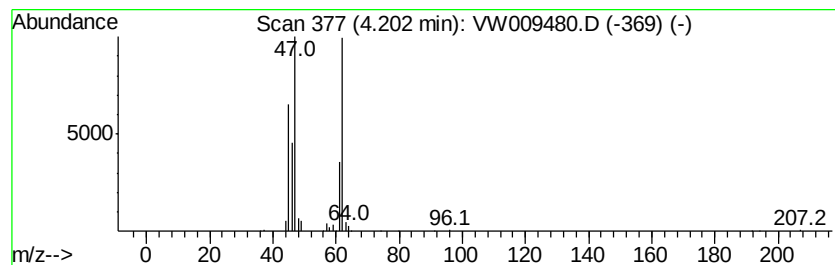
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	6.54 ug/L	173324	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	93
2		Dimethyl sulfide	62	C2H6S	000075-18-3	91
3		Dimethyl sulfide	62	C2H6S	000075-18-3	91
4		Dimethyl sulfide	62	C2H6S	000075-18-3	90
5		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83



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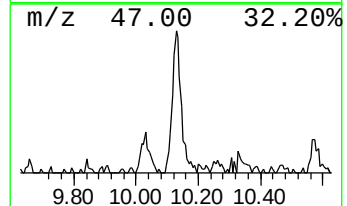
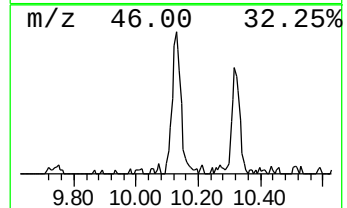
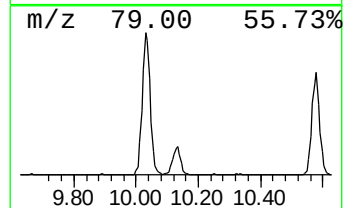
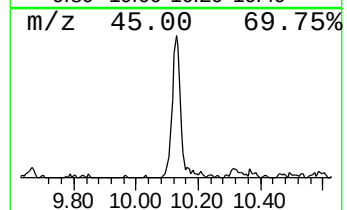
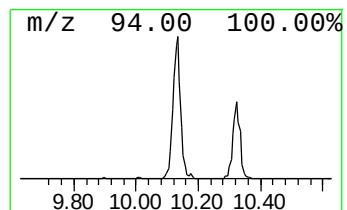
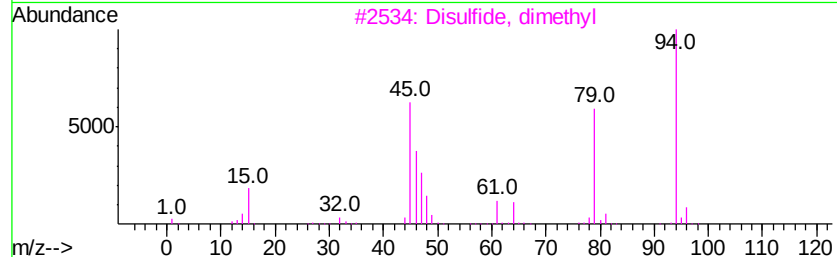
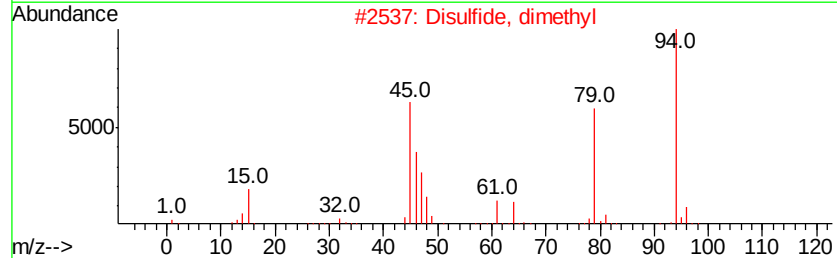
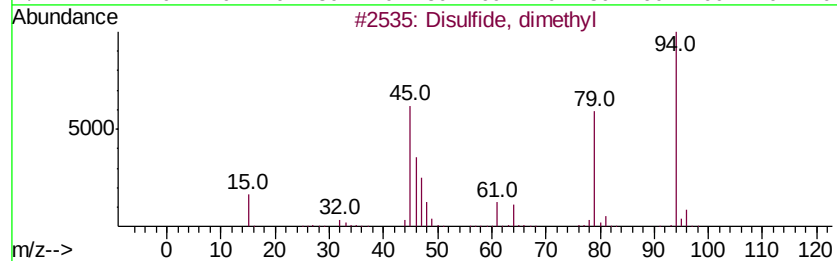
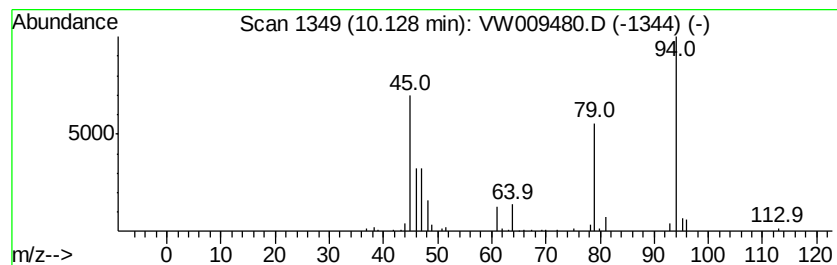
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 3 Disulfide, dimethyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	1.91 ug/L	50639	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
2		Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
3		Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
4		Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
5		Disulfide, dimethyl	94	C2H6S2	000624-92-0	90



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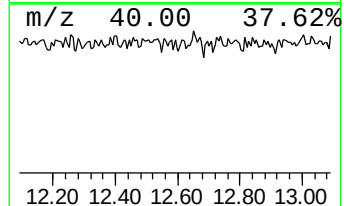
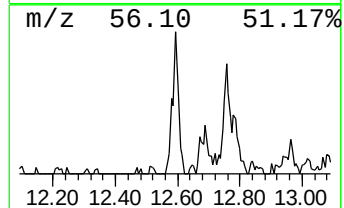
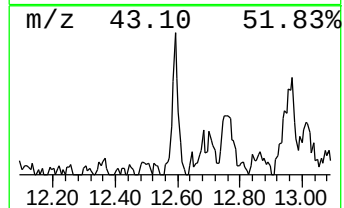
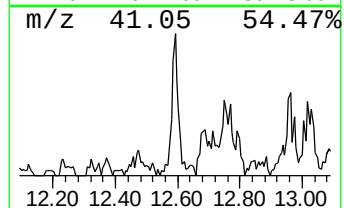
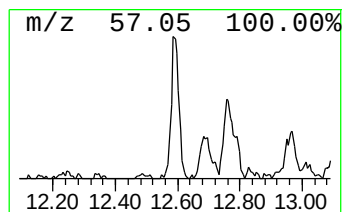
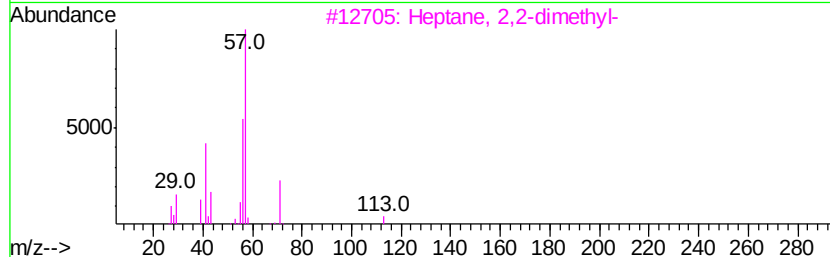
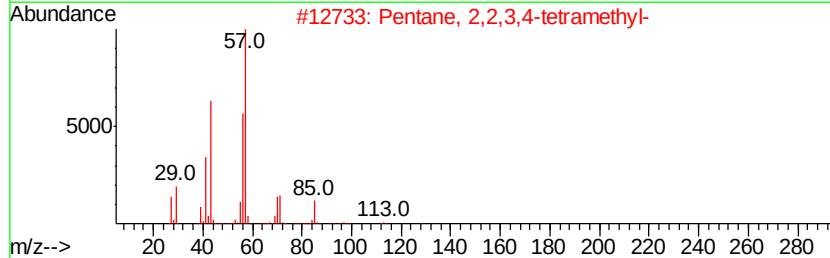
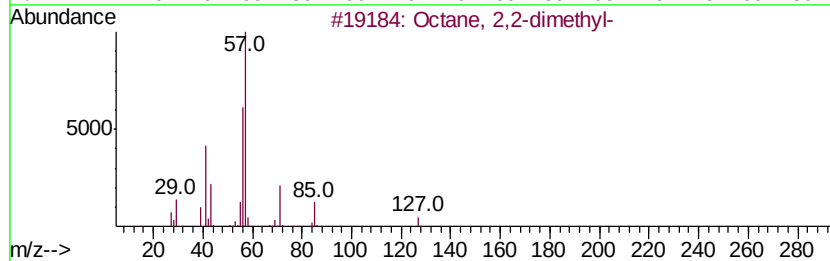
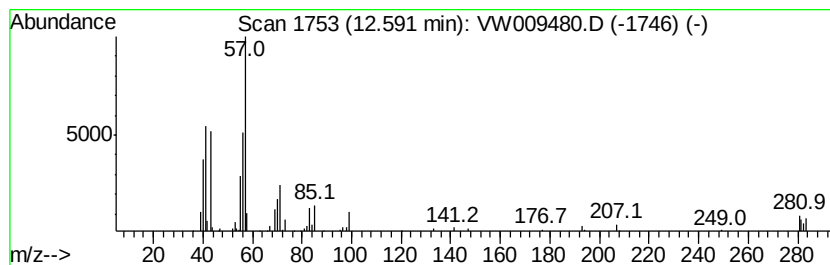
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	1.70 ug/L	48684	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
2		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47
3		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	47
4		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47



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Data File : VW009480.D
Acq On : 26 Mar 2019 23:11
Operator : SY/VA
Sample : K2065-14
Misc : 5.37G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5M9

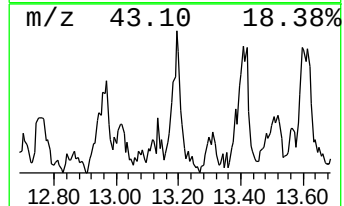
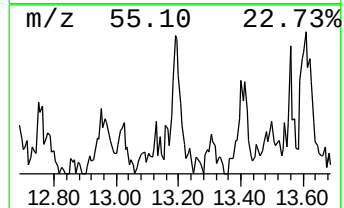
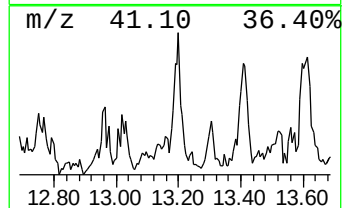
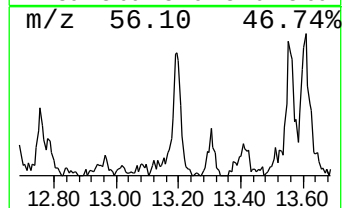
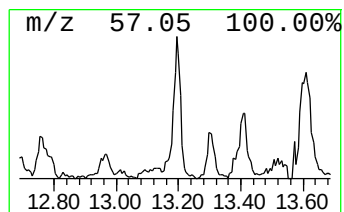
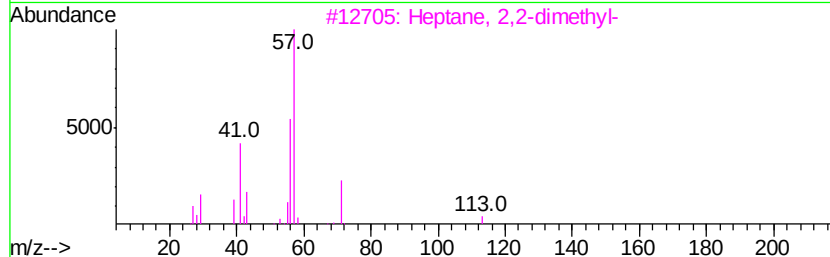
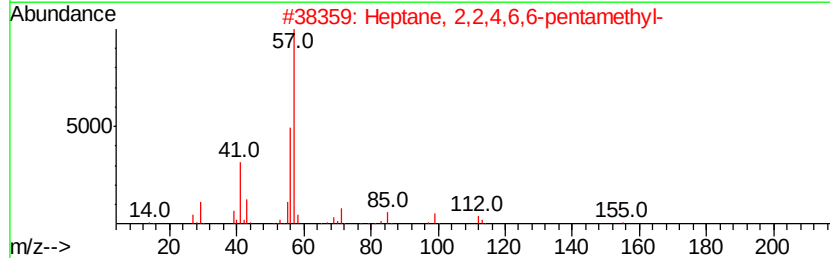
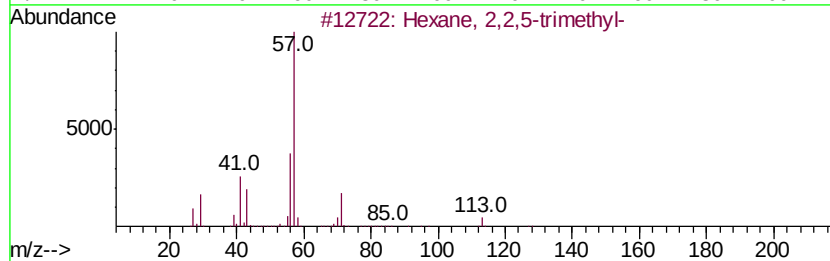
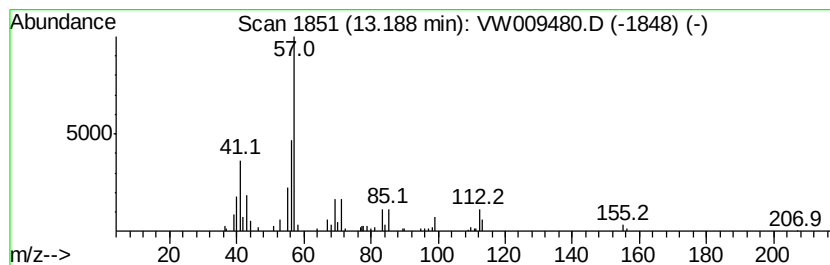
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	1.99 ug/L	39948	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-		128	C9H20	003522-94-9	50
2	Heptane, 2,2,4,6,6-pentamethyl-		170	C12H26	013475-82-6	45
3	Heptane, 2,2-dimethyl-		128	C9H20	001071-26-7	43
4	Hexane, 3-ethyl-2,5-dimethyl-		142	C10H22	052897-04-8	42
5	Hexadecane, 3-methyl-		240	C17H36	006418-43-5	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032619\
Data File : VW009480.D
Acq On : 26 Mar 2019 23:11
Operator : SY/VA
Sample : K2065-14
Misc : 5.37G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5M9

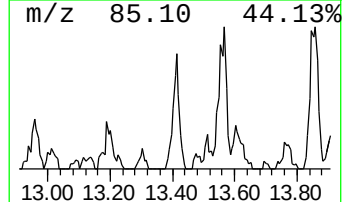
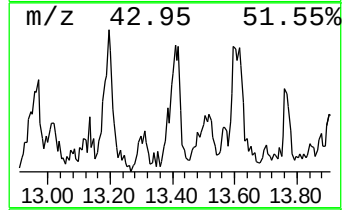
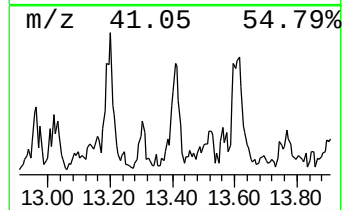
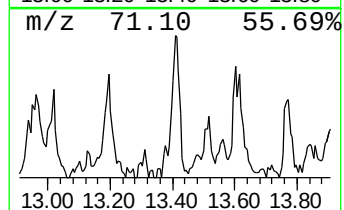
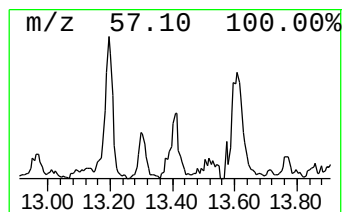
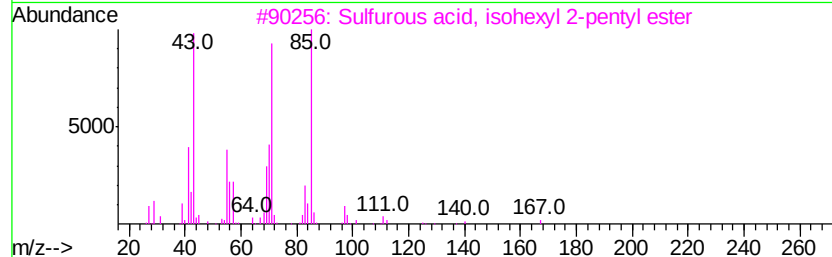
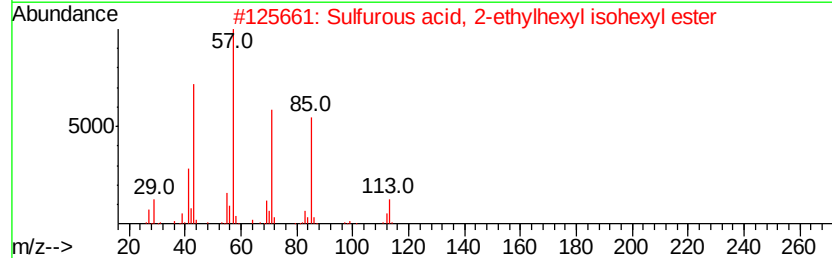
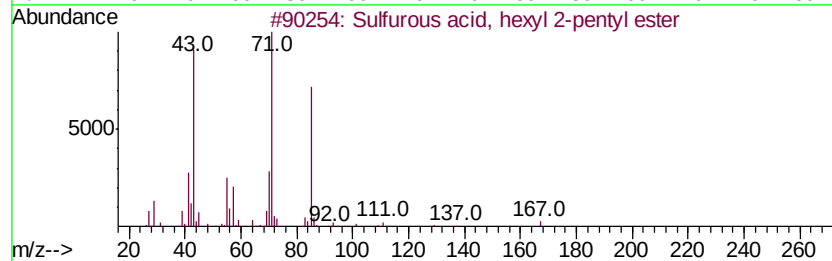
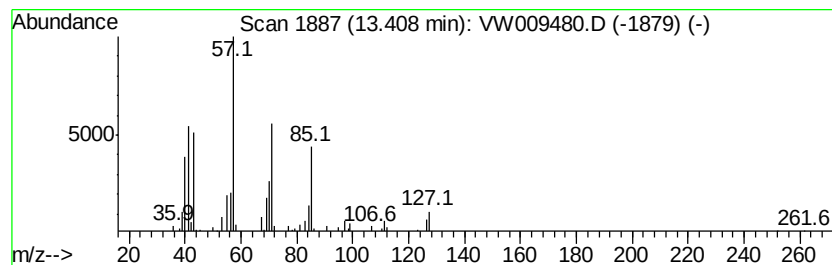
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 6 Sulfurous acid, hexyl 2-pen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.09 ug/L	41871	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	53
2		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50
3		Sulfurous acid, isohexyl 2-pentv...	236	C11H24O3S	1000309-15-5	50
4		Ether, heptyl hexyl	200	C13H28O	007289-40-9	47
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032619\
Data File : VW009480.D
Acq On : 26 Mar 2019 23:11
Operator : SY/VA
Sample : K2065-14
Misc : 5.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5M9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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
Dimethyl sulfide	4.20	6.5	ug/L	173324	1	8.84	662178	25.0
Disulfide, dimethyl	10.13	1.9	ug/L	50639	1	8.84	662178	25.0
(DEL) Alkane: Str...	12.59	1.7	ug/L	48684	2	11.63	715861	25.0
(DEL) Alkane: Str...	13.19	2.0	ug/L	39948	3	13.56	501967	25.0
Sulfurous acid, h...	13.41	2.1	ug/L	41871	3	13.56	501967	25.0