

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
 Data File : VW001887.D
 Acq On : 06 Apr 2018 13:57
 Operator : JC/SY
 Sample : J2250-01
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DART4

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 : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.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	1.794	28	34	52	rBV	2491187	3829154	100.00%	10.278%
2	2.002	64	68	76	rVB	129626	191851	5.01%	0.515%
3	2.355	120	126	137	rVB2	168169	293997	7.68%	0.789%
4	2.666	169	177	185	rVB10	18380	57249	1.50%	0.154%
5	2.727	185	187	189	rBV3	2824	3005	0.08%	0.008%
6	2.886	206	213	215	rBV	74438	146256	3.82%	0.393%
7	3.190	261	263	265	rBV3	3106	3458	0.09%	0.009%
8	3.825	359	367	382	rVB7	18046	67437	1.76%	0.181%
9	4.013	388	398	409	rBV3	265900	847466	22.13%	2.275%
10	4.129	410	417	429	rVB	113824	310808	8.12%	0.834%
11	4.373	447	457	471	rVB	212717	586777	15.32%	1.575%
12	4.916	535	546	559	rVV2	322169	1008216	26.33%	2.706%
13	5.135	574	582	588	rVV4	4174	12718	0.33%	0.034%
14	5.428	618	630	647	rVV	252392	764097	19.95%	2.051%
15	5.653	664	667	669	rVB4	1730	1929	0.05%	0.005%
16	5.781	686	688	691	rVB4	2489	2479	0.06%	0.007%
17	5.873	699	703	705	rBV5	2095	3497	0.09%	0.009%
18	5.934	708	713	720	rBV5	7407	19054	0.50%	0.051%
19	6.062	732	734	738	rBV4	1716	2556	0.07%	0.007%
20	6.220	748	760	772	rBV	85729	262370	6.85%	0.704%
21	6.507	803	807	811	rVB5	1896	2884	0.08%	0.008%
22	6.544	811	813	816	rBV4	1530	2353	0.06%	0.006%
23	6.873	863	867	869	rBV5	1043	1939	0.05%	0.005%
24	7.086	890	902	908	rBV2	55982	164760	4.30%	0.442%
25	7.171	908	916	929	rVB	349443	936446	24.46%	2.514%
26	7.458	960	963	964	rBV3	1990	1726	0.05%	0.005%
27	7.519	964	973	984	rVV2	359572	875860	22.87%	2.351%
28	7.659	984	996	1011	rVB3	295850	1016517	26.55%	2.729%
29	7.873	1020	1031	1039	rBV	514528	1316911	34.39%	3.535%
30	7.952	1039	1044	1055	rVV	298060	695392	18.16%	1.867%
31	8.068	1055	1063	1076	rVB	196812	472263	12.33%	1.268%
32	8.281	1088	1098	1115	rBV2	535730	1613117	42.13%	4.330%
33	8.641	1153	1157	1158	rBV4	1775	1867	0.05%	0.005%
34	8.671	1160	1162	1166	rVB3	3306	4349	0.11%	0.012%

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Integration Parameters: LSCINT.P

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Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
 Title : VOC Analysis

35	8.848	1181	1191	1212	rBV	508245	1031011	26.93%	2.768%
36	9.037	1218	1222	1224	rBV5	5154	7025	0.18%	0.019%
37	9.098	1224	1232	1246	rVB	584221	1164938	30.42%	3.127%
38	9.281	1253	1262	1270	rBV	365708	750591	19.60%	2.015%
39	9.378	1270	1278	1286	rVV	353129	707408	18.47%	1.899%
40	9.452	1286	1290	1297	rVB2	16480	35390	0.92%	0.095%
41	9.567	1303	1309	1312	rVB7	2072	3060	0.08%	0.008%
42	9.653	1315	1323	1329	rBV	168335	325180	8.49%	0.873%
43	9.903	1356	1364	1370	rBV	13475	25862	0.68%	0.069%
44	9.970	1370	1375	1380	rBV7	4225	8555	0.22%	0.023%
45	10.043	1380	1387	1390	rBV	194487	360599	9.42%	0.968%
46	10.079	1390	1393	1400	rVB	191522	329230	8.60%	0.884%
47	10.147	1401	1404	1409	rVB2	9139	14524	0.38%	0.039%
48	10.220	1409	1416	1427	rVB	299563	530125	13.84%	1.423%
49	10.336	1427	1435	1444	rBV	745997	1339618	34.98%	3.596%
50	10.616	1470	1481	1491	rVV2	376424	912144	23.82%	2.448%
51	10.714	1492	1497	1503	rBV	30182	63787	1.67%	0.171%
52	10.799	1504	1511	1517	rVB	174567	308639	8.06%	0.828%
53	10.872	1517	1523	1529	rBV	484218	825441	21.56%	2.216%
54	10.939	1529	1534	1537	rVV	220194	361967	9.45%	0.972%
55	10.982	1537	1541	1546	rVB	281195	437304	11.42%	1.174%
56	11.079	1552	1557	1561	rBV2	35833	58396	1.53%	0.157%
57	11.140	1561	1567	1574	rVB	140507	255398	6.67%	0.686%
58	11.244	1578	1584	1591	rVB	148569	255482	6.67%	0.686%
59	11.409	1609	1611	1613	rVV3	2002	2312	0.06%	0.006%
60	11.451	1613	1618	1626	rVB2	16534	30869	0.81%	0.083%
61	11.640	1642	1649	1658	rBV	766133	1312087	34.27%	3.522%
62	11.744	1658	1666	1675	rVB	571876	998480	26.08%	2.680%
63	11.823	1675	1679	1680	rBV3	3323	3761	0.10%	0.010%
64	11.945	1697	1699	1703	rVB5	1564	1941	0.05%	0.005%
65	12.049	1712	1716	1722	rBV5	9458	16124	0.42%	0.043%
66	12.195	1732	1740	1750	rBV	679131	1053098	27.50%	2.827%
67	12.360	1760	1767	1778	rVB	169074	294564	7.69%	0.791%
68	12.494	1778	1789	1795	rBV	74682	127785	3.34%	0.343%
69	12.561	1798	1800	1802	rVB3	2234	1700	0.04%	0.005%
70	12.622	1805	1810	1817	rVV	41064	71880	1.88%	0.193%
71	12.725	1817	1827	1837	rVB4	458319	1208562	31.56%	3.244%

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72	12.835	1840	1845	1846	rBV5	1617	2341	0.06%	0.006%
73	12.951	1859	1864	1871	rVB4	13949	26720	0.70%	0.072%
74	13.024	1871	1876	1879	rBV7	2463	4388	0.11%	0.012%
75	13.116	1885	1891	1899	rVB4	5718	11793	0.31%	0.032%
76	13.268	1908	1916	1922	rBV	1086866	1592673	41.59%	4.275%
77	13.512	1949	1956	1961	rBV	893982	1434774	37.47%	3.851%
78	13.573	1961	1966	1975	rVB	875471	1391863	36.35%	3.736%
79	13.713	1988	1989	1994	rVB5	2152	1754	0.05%	0.005%
80	13.871	2008	2015	2023	rBV	710690	1163568	30.39%	3.123%
81	14.097	2048	2052	2056	rBV2	10041	15886	0.41%	0.043%
82	14.347	2088	2093	2098	rVV7	8314	14695	0.38%	0.039%
83	14.506	2112	2119	2132	rVV	194499	330955	8.64%	0.888%
84	14.652	2137	2143	2147	rVB9	2874	5578	0.15%	0.015%
85	14.743	2155	2158	2163	rVB7	2958	5392	0.14%	0.014%
86	14.829	2169	2172	2178	rVB8	4490	6022	0.16%	0.016%
87	15.097	2211	2216	2221	rBV8	4473	10115	0.26%	0.027%
88	15.274	2243	2245	2249	rVB5	3518	4379	0.11%	0.012%
89	15.310	2249	2251	2253	rBV3	2613	2869	0.07%	0.008%
90	15.463	2274	2276	2282	rVB6	5573	7174	0.19%	0.019%
91	15.524	2284	2286	2287	rVV2	2444	2093	0.05%	0.006%
92	15.578	2288	2295	2307	rVB	204110	382968	10.00%	1.028%
93	15.664	2307	2309	2312	rBV4	1782	2083	0.05%	0.006%
94	15.749	2319	2323	2324	rBV3	2291	3121	0.08%	0.008%
95	15.999	2356	2364	2368	rBV9	5842	11764	0.31%	0.032%
96	16.127	2381	2385	2394	rVB10	5162	11464	0.30%	0.031%
97	16.353	2417	2422	2428	rVB4	9602	16013	0.42%	0.043%
98	16.505	2438	2447	2455	rVV2	12801	30298	0.79%	0.081%
99	16.566	2455	2457	2461	rVB4	2049	2154	0.06%	0.006%
100	16.743	2483	2486	2488	rBV3	2750	3737	0.10%	0.010%

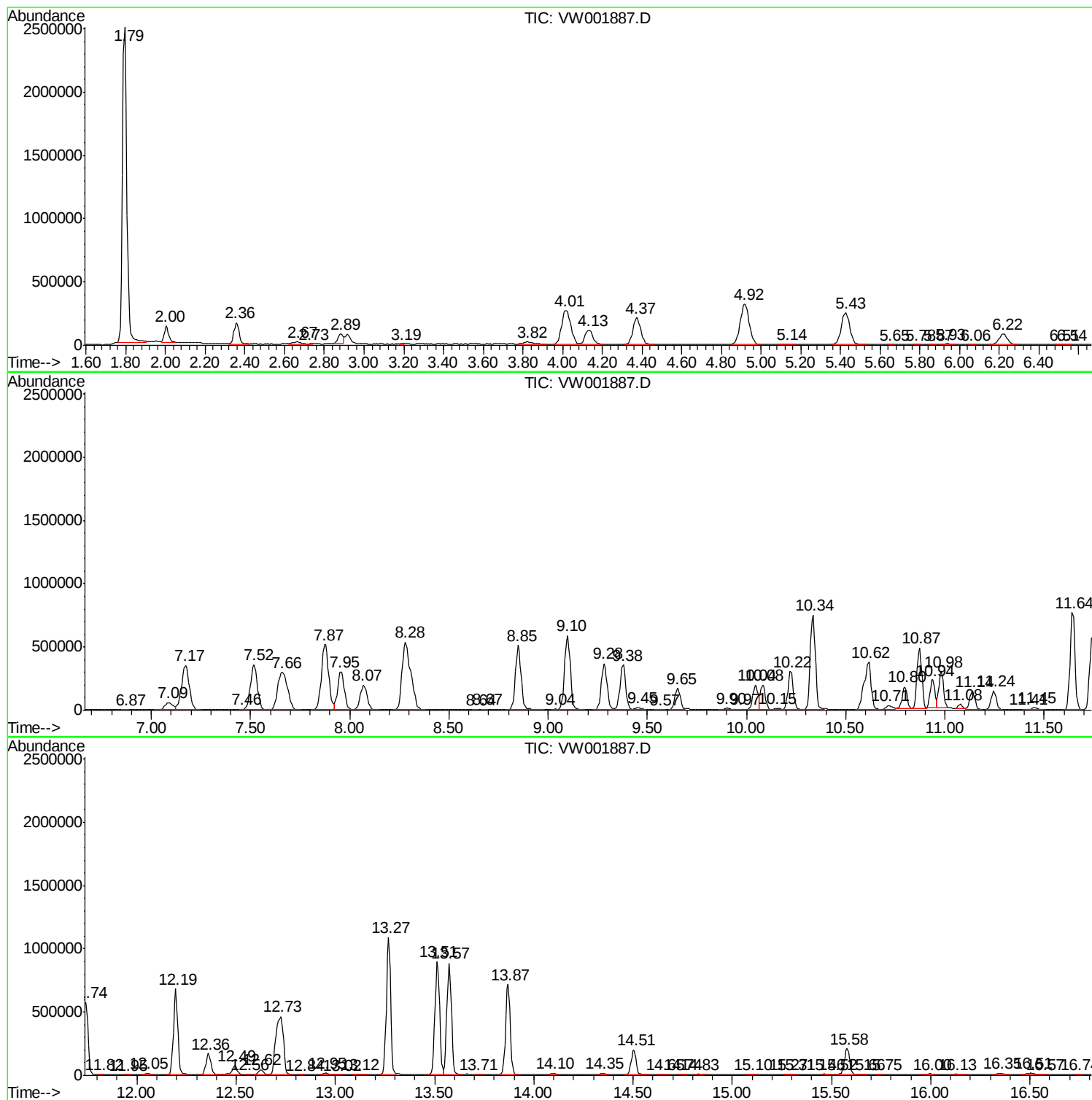
Sum of corrected areas: 37254229

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Instrument :
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ClientSampleId :
DART4

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis

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



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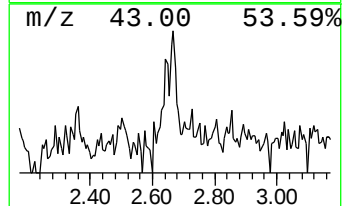
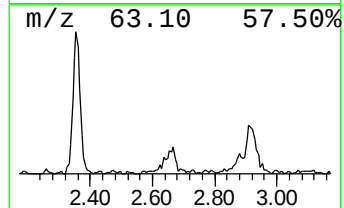
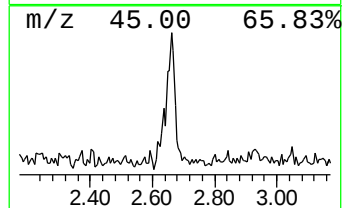
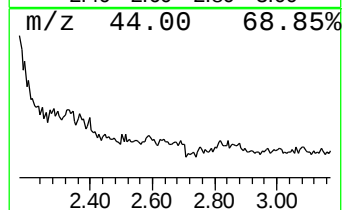
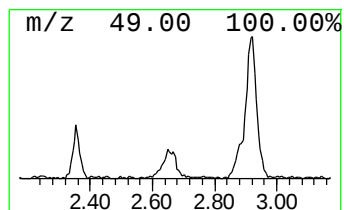
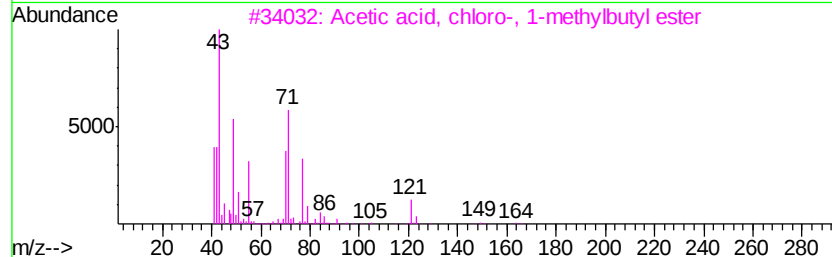
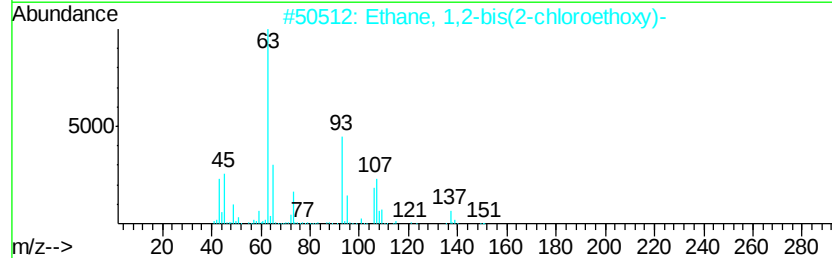
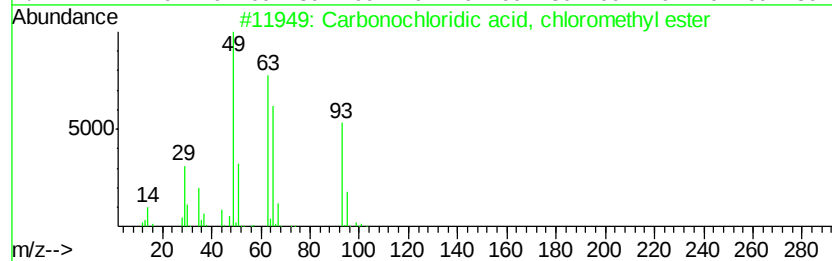
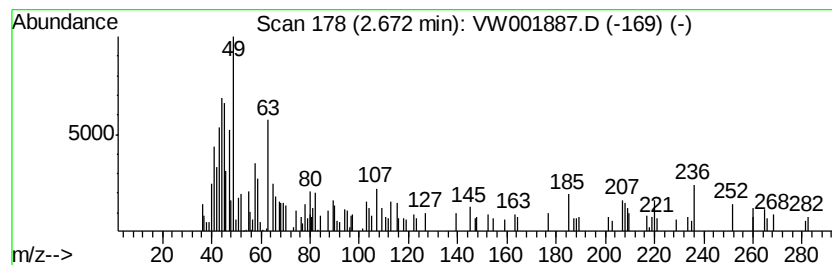
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis

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

Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.67	1.39 ug/L	57249	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonochloridic acid, chloromet...	128	C2H2Cl2O2	022128-62-7	37
2			Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	25
3			Acetic acid, chloro-, 1-methylbu...	164	C7H13ClO2	090380-52-2	16
4			Bis(.beta.-chloroethyl) sulfoxide	174	C4H8Cl2OS	005819-08-9	14
5			Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	12



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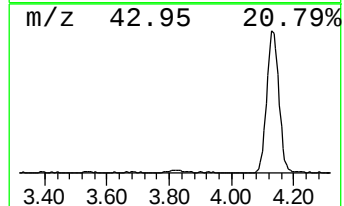
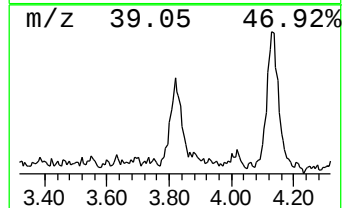
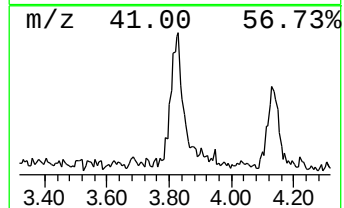
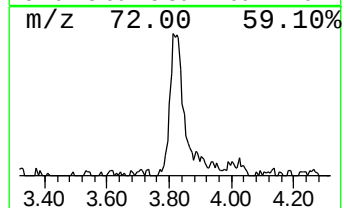
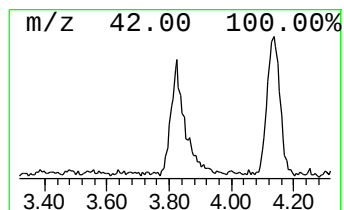
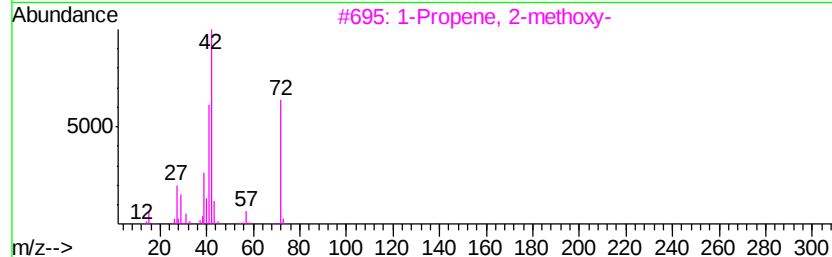
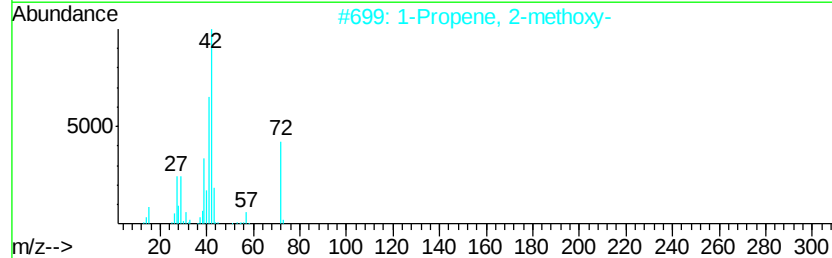
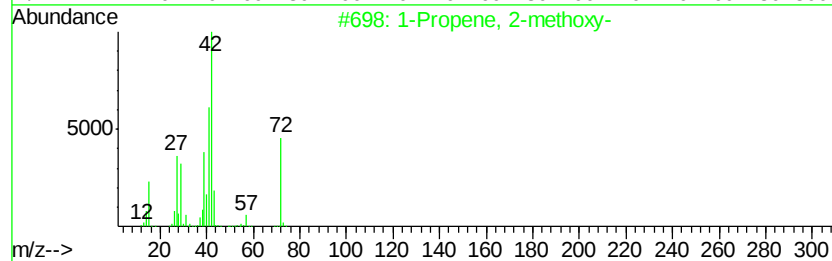
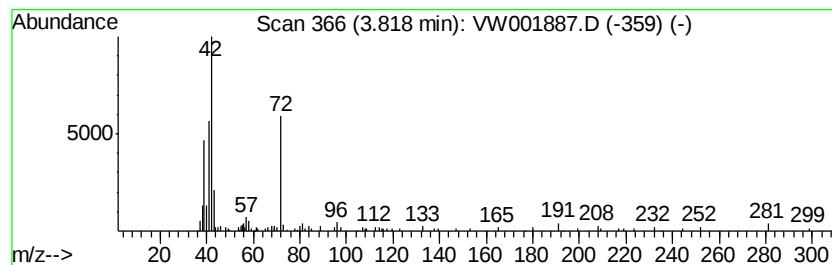
Instrument :
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Quant Title : VOC Analysis

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

Peak Number 3 1-Propene, 2-methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.82	1.64 ug/L	67437	1,4-Difluorobenzene	8.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	80
2	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	80
3	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	72
4	Tetrahydrofuran	72	C4H8O	000109-99-9	56
5	Ethanol, 2,2'-(nitrosoimino)bis-	134	C4H10N2O3	001116-54-7	56



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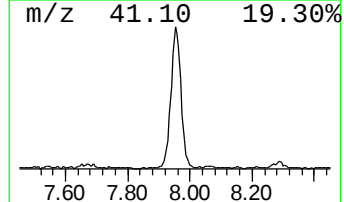
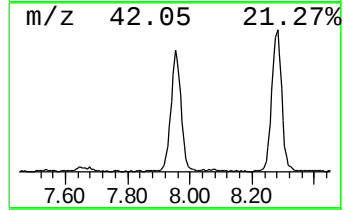
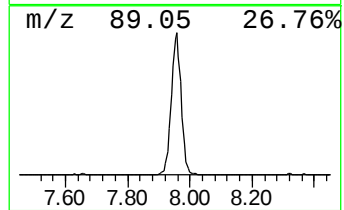
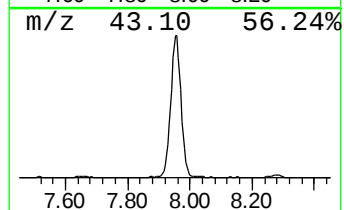
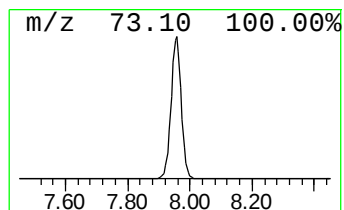
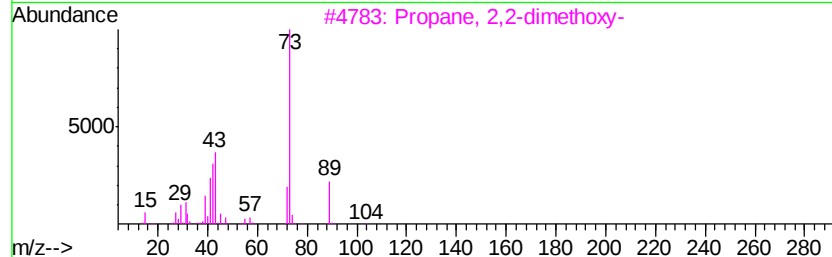
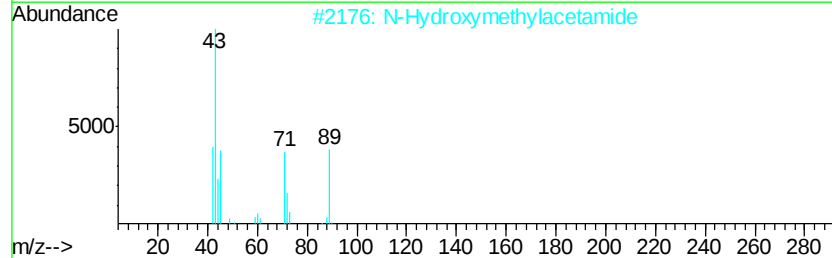
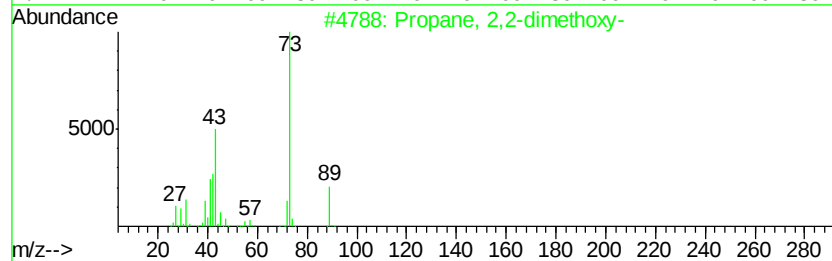
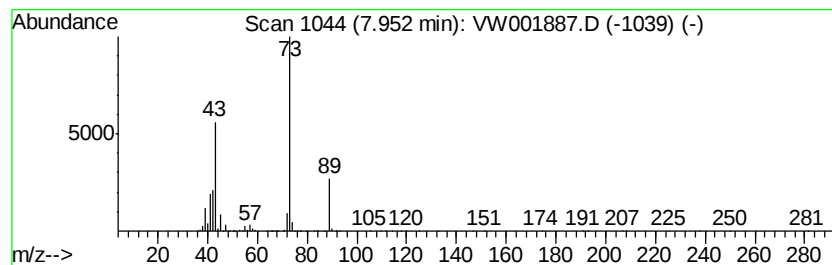
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Quant Title : VOC Analysis

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

Peak Number 4 Propane, 2,2-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	16.86 ug/L	695392	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2		N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	40
3		Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	33
4		Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	23
5		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	10



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
Data File : VW001887.D
Acq On : 06 Apr 2018 13:57
Operator : JC/SY
Sample : J2250-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DART4

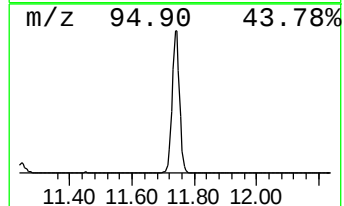
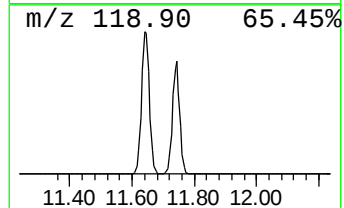
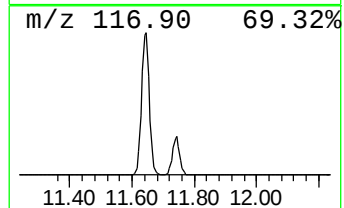
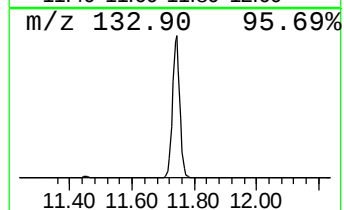
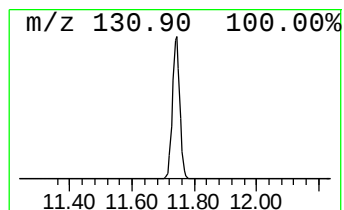
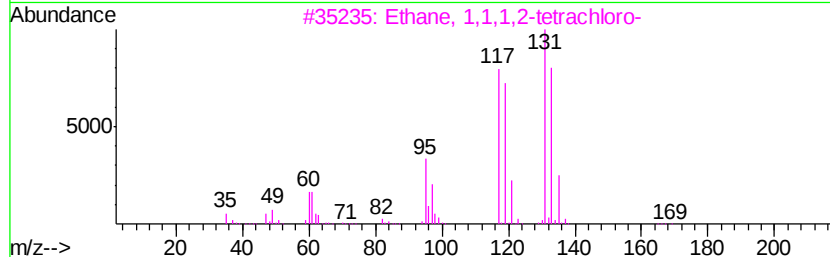
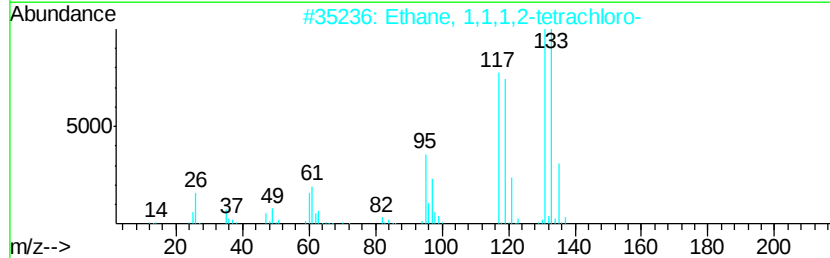
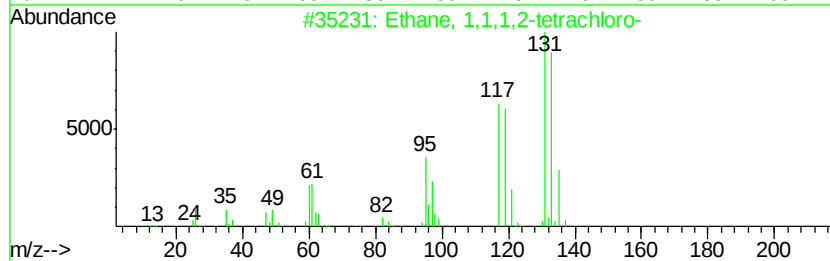
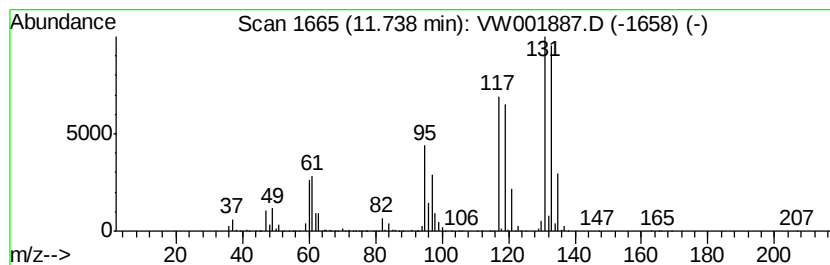
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Quant Title : VOC Analysis

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

Peak Number 5 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	19.02 ug/L	998480	Chlorobenzene-d5	11.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
2		Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
3		Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
4		Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	72
5		Carbon Tetrachloride	152	CCl4	000056-23-5	11



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
Data File : VW001887.D
Acq On : 06 Apr 2018 13:57
Operator : JC/SY
Sample : J2250-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

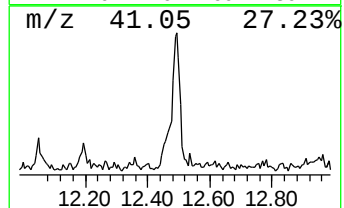
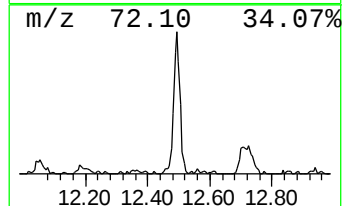
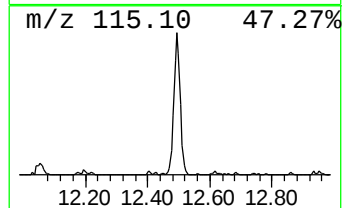
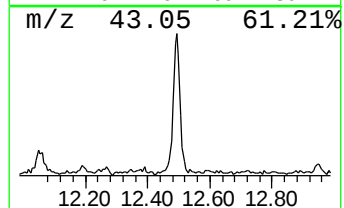
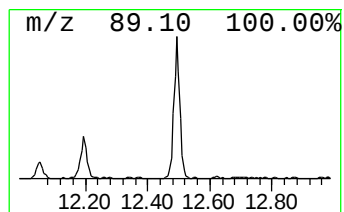
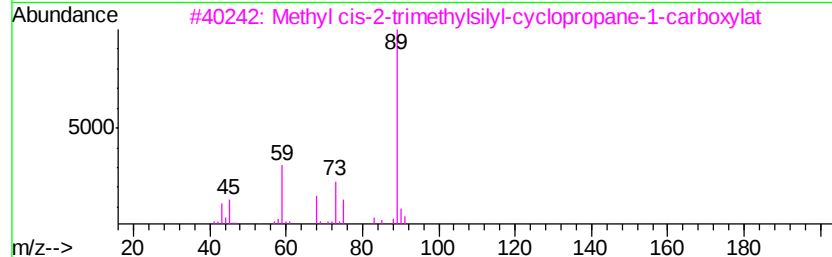
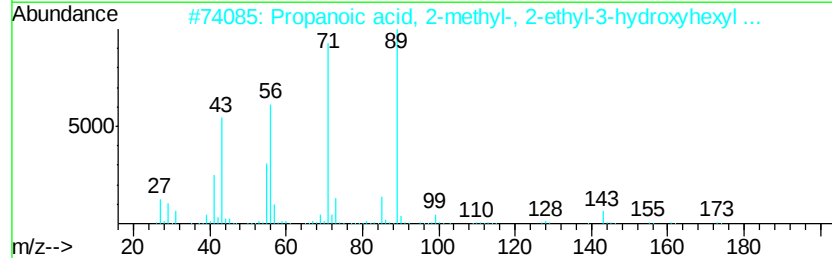
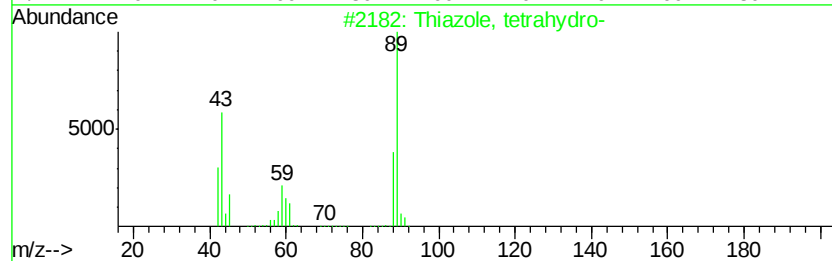
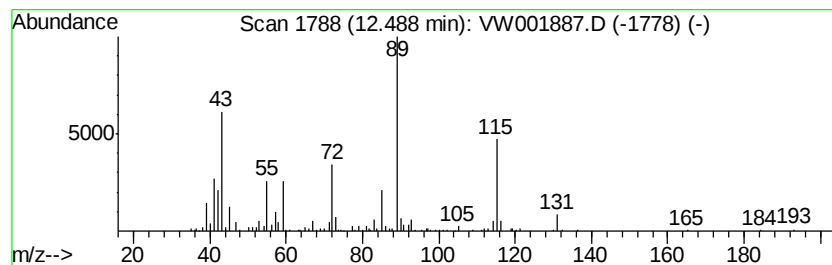
Instrument :
MSVOA_W
ClientSampleId :
DART4

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis

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

Peak Number 6 Thiazole, tetrahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	2.43 ug/L	127785	Chlorobenzene-d5	11.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	50
2	Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	45
3	Methyl cis-2-trimethylsilyl-cycl...	172	C8H16O2Si	1000144-79-0	39
4	Methyl 2-(trimethylsilyl)ethyl m...	218	C9H18O4Si	1000105-29-6	39
5	Silane, (2-methoxyethyl)trimethyl-	132	C6H16OSi	018173-63-2	9



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
Data File : VW001887.D
Acq On : 06 Apr 2018 13:57
Operator : JC/SY
Sample : J2250-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DART4

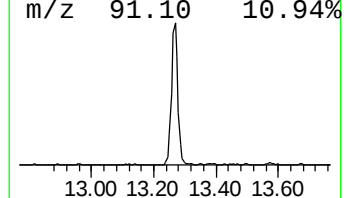
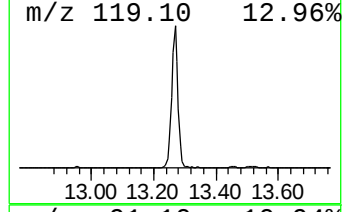
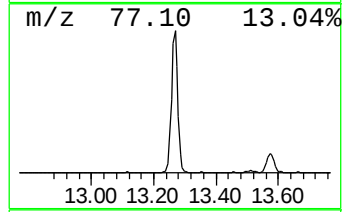
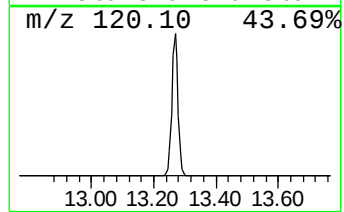
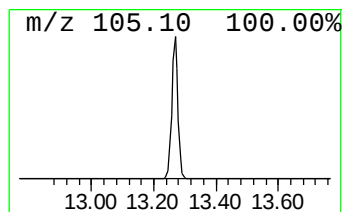
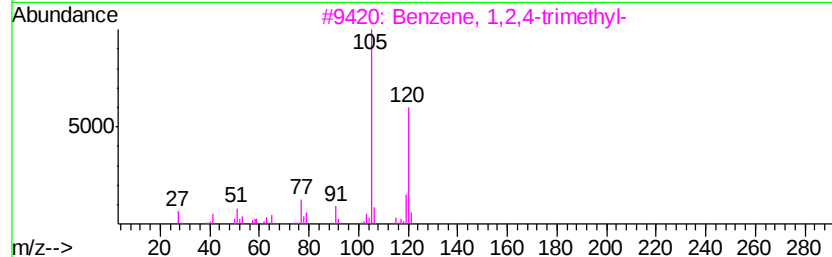
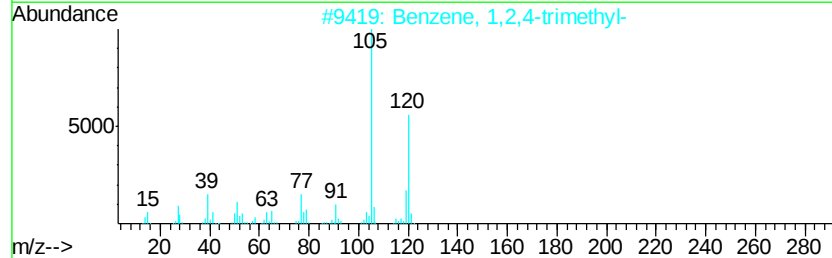
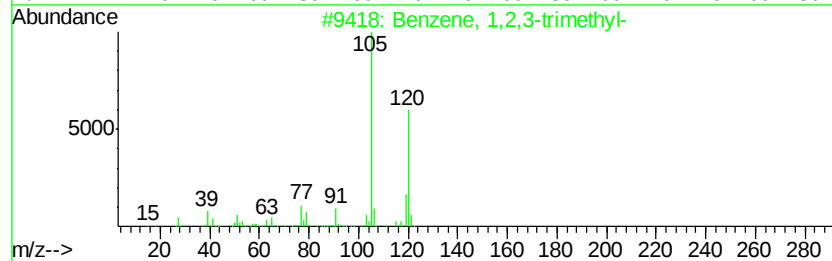
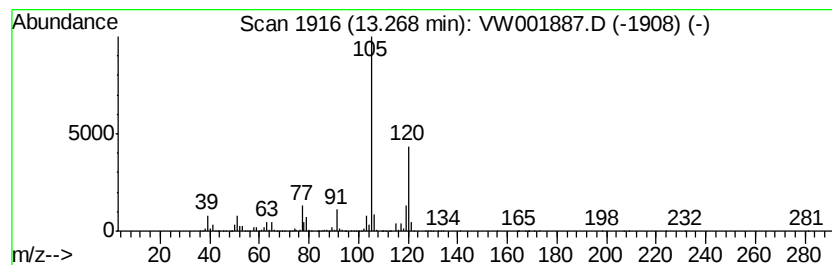
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	28.61 ug/L	1592670	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Mesitylene	120	C9H12	000108-67-8	94



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
Data File : VW001887.D
Acq On : 06 Apr 2018 13:57
Operator : JC/SY
Sample : J2250-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DART4

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.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
unknown-01	2.67	1.4	ug/L	57249	1	8.85	1031010	25.0
1-Propene, 2-meth...	3.82	1.6	ug/L	67437	1	8.85	1031010	25.0
Propane, 2,2-dime...	7.95	16.9	ug/L	695392	1	8.85	1031010	25.0
Ethane, 1,1,1,2-t...	11.74	19.0	ug/L	998480	2	11.65	1312090	25.0
Thiazole, tetrahy...	12.49	2.4	ug/L	127785	2	11.65	1312090	25.0
Benzene, 1,2,3-tr...	13.27	28.6	ug/L	1592670	3	13.57	1391860	25.0