LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.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	2.154	37	41	46	rBV	9998	15967	1.02%	0.056%
2	2.215	46	51	59	rVB	58095	102303	6.52%	0.360%
3	2.325	64	69	72	rBV	77617	137304	8.75%	0.483%
4	2.361	72	75	85	rVB	87766	160782	10.25%	0.565%
5	2.782	136	144	153	rBV	36554	78891	5.03%	0.277%
6	2.891	154	162	178	rVB	70840	173389	11.05%	0.609%
7	3.263	212	223	233	rBV	46001	114786	7.32%	0.403%
8	3.391	237	244	255	rVB3	5325	13600	0.87%	0.048%
9	3.824	305	315	325	rVB2	15292	39032	2.49%	0.137%
10	4.032	335	349	360	rBV3	254561	920953	58.71%	3.237%
11	4.129	360	365	376	rVB	48844	134670	8.58%	0.473%
12	4.416	406	412	414	rBV4	1425	2564	0.16%	0.009%
13	4.672	443	454	468	rBV	51198	150583	9.60%	0.529%
14	4.915	482	494	516	rVB	67934	245415	15.64%	0.862%
15	5.428	563	578	595	rVV2	213923	714466	45.55%	2.511%
16	5.751	624	631	632	rBV4	3117	5526	0.35%	0.019%
17	5.946	653	663	671	rVB6	3620	10804	0.69%	0.038%
18	6.915	818	822	824	rBV4	1107	1632	0.10%	0.006%
19	7.080	838	849	854	rBV2	45034	126758	8.08%	0.445%
20	7.165	854	863	878	rVB2	245286	727296	46.36%	2.556%
21	7.513	910	920	932	rBV	103606	257932	16.44%	0.906%
22	7.647	932	942	954	rVB	216863	539083	34.37%	1.895%
23	7.872	968	979	985	rBV2	89596	234702	14.96%	0.825%
24	7.958	985	993	1003	rVV3	169626	448990	28.62%	1.578%
25	8.073	1003	1012	1026	rVB	109917	274823	17.52%	0.966%
26	8.275	1029	1045	1059	rBV3	506835	1568694	100.00%	5.513%
27	8.403	1059	1066	1074	rVV	66271	147071	9.38%	0.517%
28	8.671	1105	1110	1115	rVV6	1228	3207	0.20%	0.011%
29	8.842	1129	1138	1149	rVV	353658	688850	43.91%	2.421%
30	9.092	1166	1179	1191	rBV	643365	1262747	80.50%	4.438%
31	9.274	1200	1209	1214	rBV	299798	626747	39.95%	2.203%
32	9.335	1214	1219	1232	rVB2	545628	1399449	89.21%	4.918%
33	9.457	1233	1239	1254	rVB2	22714	51904	3.31%	0.182%
34	9.646	1262	1270	1276	rBV	199397	388501	24.77%	1.365%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
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Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Title : VOC Analysis

35	9.750	1283	1287	1295	rVB3	5071	10956	0.70%	0.039%
36	9.896	1301	1311	1318	rBV2	17216	36802	2.35%	0.129%
37	9.988	1318	1326	1327	rVV3	3804	6612	0.42%	0.023%
38	10.037	1327	1334	1336	rVV	178439	315214	20.09%	1.108%
39	10.073	1336	1340	1348	rVV	241335	433952	27.66%	1.525%
40	10.146	1348	1352	1358	rVV5	5325	10760	0.69%	0.038%
41	10.213	1358	1363	1364	rVV3	2565	3636	0.23%	0.013%
42	10.250	1364	1369	1374	rVV	12464	22373	1.43%	0.079%
43	10.323	1374	1381	1386	rVV	667764	1164921	74.26%	4.094%
44	10.390	1386	1392	1402	rVV	634642	1127533	71.88%	3.962%
45	10.506	1409	1411	1415	rVV4	1012	1755	0.11%	0.006%
46	10.579	1415	1423	1436	rVV3	145720	415935	26.51%	1.462%
47	10.701	1436	1443	1450	rVV	112925	208057	13.26%	0.731%
48	10.768	1451	1454	1461	rVV3	4070	6497	0.41%	0.023%
49	10.860	1461	1469	1475	rVV	788856	1382389	88.12%	4.858%
50	10.921	1475	1479	1483	rVV	170484	293382	18.70%	1.031%
51	10.969	1483	1487	1492	rVV	164150	280586	17.89%	0.986%
52	11.012	1492	1494	1498	rVV	20893	31938	2.04%	0.112%
53	11.067	1498	1503	1507	rVV	57961	99588	6.35%	0.350%
54	11.128	1507	1513	1518	rVV	181376	320142	20.41%	1.125%
55	11.177	1518	1521	1530	rVB2	13242	19555	1.25%	0.069%
56	11.262	1533	1535	1542	rVB5	537	973	0.06%	0.003%
57	11.341	1542	1548	1553	rBV6	1177	2271	0.14%	0.008%
58	11.439	1553	1564	1572	rVB2	79580	140068	8.93%	0.492%
59	11.628	1585	1595	1605	rBV	503904	872741	55.63%	3.067%
60	11.731	1605	1612	1621	rVB	564999	912397	58.16%	3.206%
61	11.841	1623	1630	1644	rBV	362675	595878	37.99%	2.094%
62	12.164	1676	1683	1691	rVV	443300	710072	45.27%	2.495%
63	12.341	1708	1712	1718	rVB3	862	1421	0.09%	0.005%
64	12.463	1724	1732	1740	rBV	516504	811456	51.73%	2.852%
65	12.609	1743	1756	1763	rBV	124168	203345	12.96%	0.715%
66	12.688	1763	1769	1773	rBV	245496	404827	25.81%	1.423%
67	12.743	1773	1778	1787	rVB	538061	894973	57.05%	3.145%
68	12.932	1803	1809	1818	rBV3	12746	23041	1.47%	0.081%
69	13.006	1818	1821	1822	rVV2	2410	2450	0.16%	0.009%
70	13.036	1824	1826	1829	rVV3	3935	4771	0.30%	0.017%
71	13.073	1830	1832	1838	rVV3	3601	5099	0.33%	0.018%

LSC Area Percent Report

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Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Title : VOC Analysis

72	13.158	1844	1846	1847	rVV	808	822	0.05%	0.003%
73	13.195	1847	1852	1856	rVV5	2667	5704	0.36%	0.020%
74	13.255	1856	1862	1863	rVV3	3025	5643	0.36%	0.020%
75	13.298	1864	1869	1875	rVB3	11217	19106	1.22%	0.067%
76	13.408	1880	1887	1894	rBV5	4592	9381	0.60%	0.033%
77	13.499	1894	1902	1907	rBV	591124	968621	61.75%	3.404%
78	13.560	1907	1912	1926	rVB	611296	1019174	64.97%	3.582%
79	13.761	1941	1945	1949	rBV4	4894	8778	0.56%	0.031%
80	13.798	1949	1951	1953	rVV2	4061	4634	0.30%	0.016%
81	13.853	1953	1960	1972	rVB3	706423	1440191	91.81%	5.061%
82	14.072	1990	1996	2001	rVB	23930	40042	2.55%	0.141%
83	14.194	2011	2016	2021	rBV6	3106	7104	0.45%	0.025%
84	14.328	2032	2038	2042	rBV5	2953	5756	0.37%	0.020%
85	14.389	2046	2048	2052	rVB3	1288	1150	0.07%	0.004%
86	14.487	2057	2064	2073	rVB	66842	111044	7.08%	0.390%
87	14.627	2079	2087	2094	rBV	764216	1210426	77.16%	4.254%
88	14.725	2100	2103	2108	rVB5	1779	2282	0.15%	0.008%
89	14.810	2115	2117	2120	rVB3	824	857	0.05%	0.003%
90	15.121	2165	2168	2176	rBV4	3297	6111	0.39%	0.021%
91	15.347	2202	2205	2207	rVV3	1289	1798	0.11%	0.006%
92	15.371	2207	2209	2213	rVV3	1358	1587	0.10%	0.006%
93	15.438	2215	2220	2226	rVV2	14921	23130	1.47%	0.081%
94	15.493	2226	2229	2233	rVV4	1885	3190	0.20%	0.011%
95	15.554	2233	2239	2244	rVB6	2758	5600	0.36%	0.020%
96	16.261	2353	2355	2356	rBV	1026	850	0.05%	0.003%
97	16.359	2368	2371	2372	rBV2	819	842	0.05%	0.003%
98	16.383	2372	2375	2378	rVV4	1032	1656	0.11%	0.006%
99	16.578	2405	2407	2411	rVB3	867	855	0.05%	0.003%
100	16.712	2426	2429	2432	rBV3	555	972	0.06%	0.003%

Sum of corrected areas: 28455093

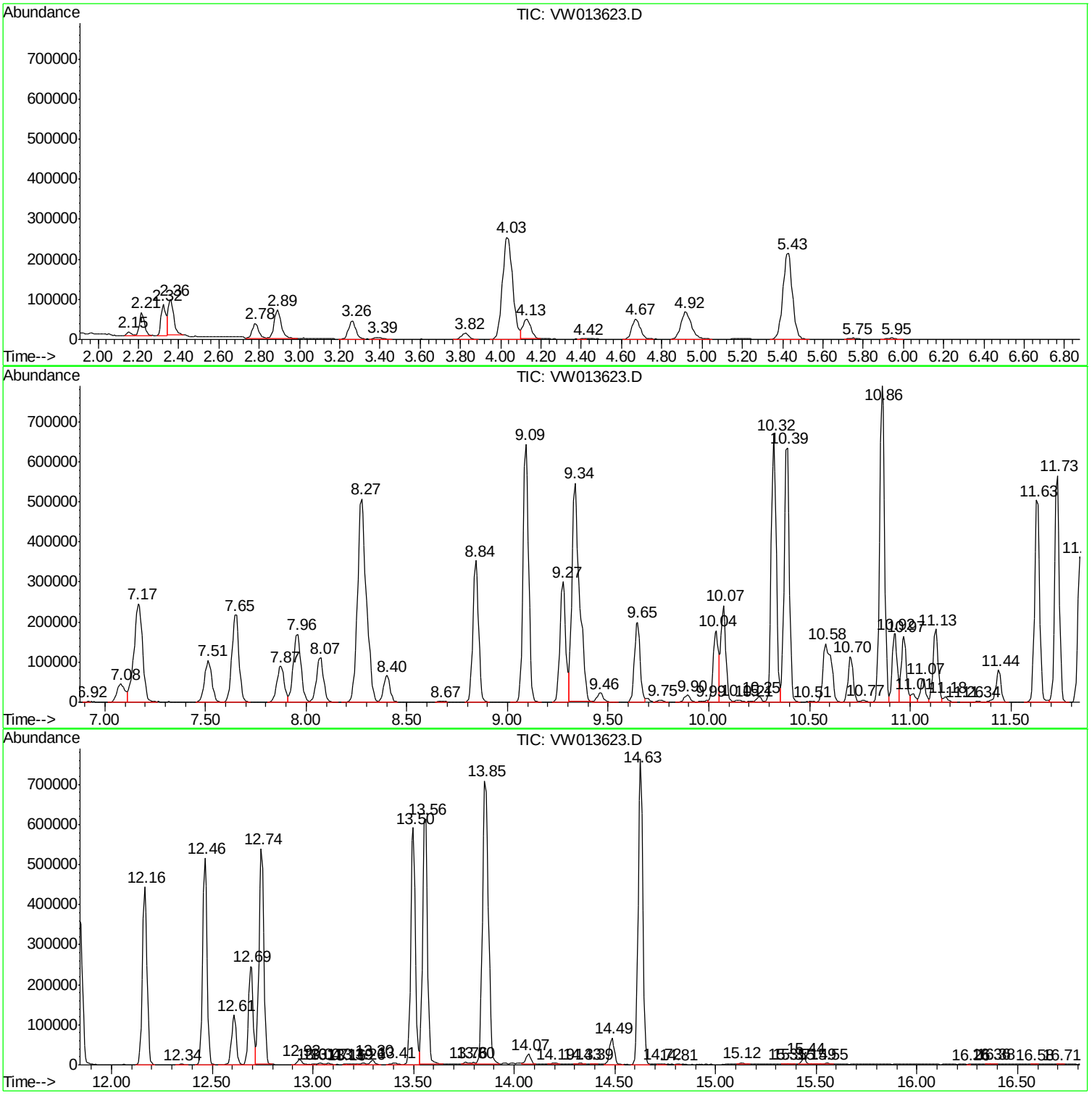
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

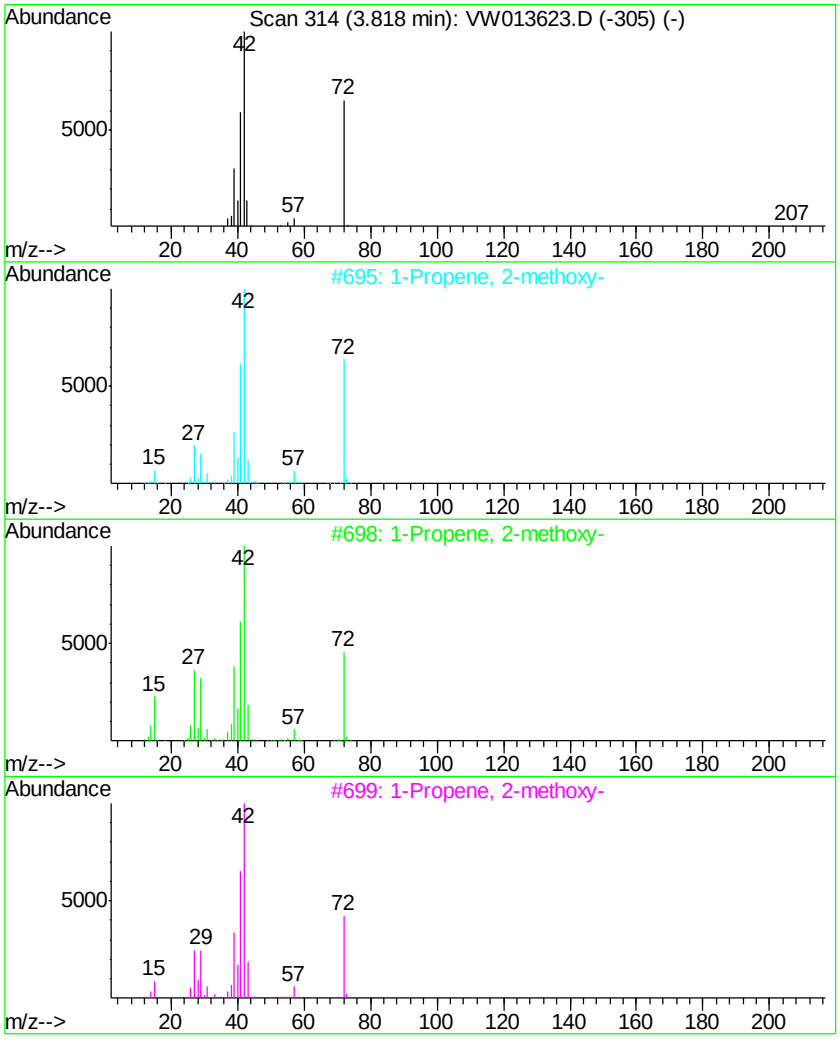
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

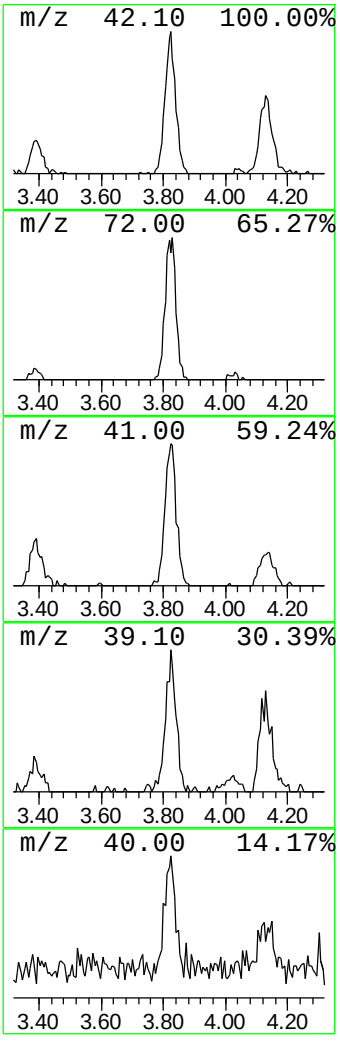
****

Peak Number 1 1-Propene, 2-methoxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	1.42 ug/L	39032	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	90
2	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	83
3	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	83
4	Tetrahydrofuran	72	C4H8O	000109-99-9	78
5	Formaldehyde, dimethylhydrazone	72	C3H8N2	002035-89-4	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

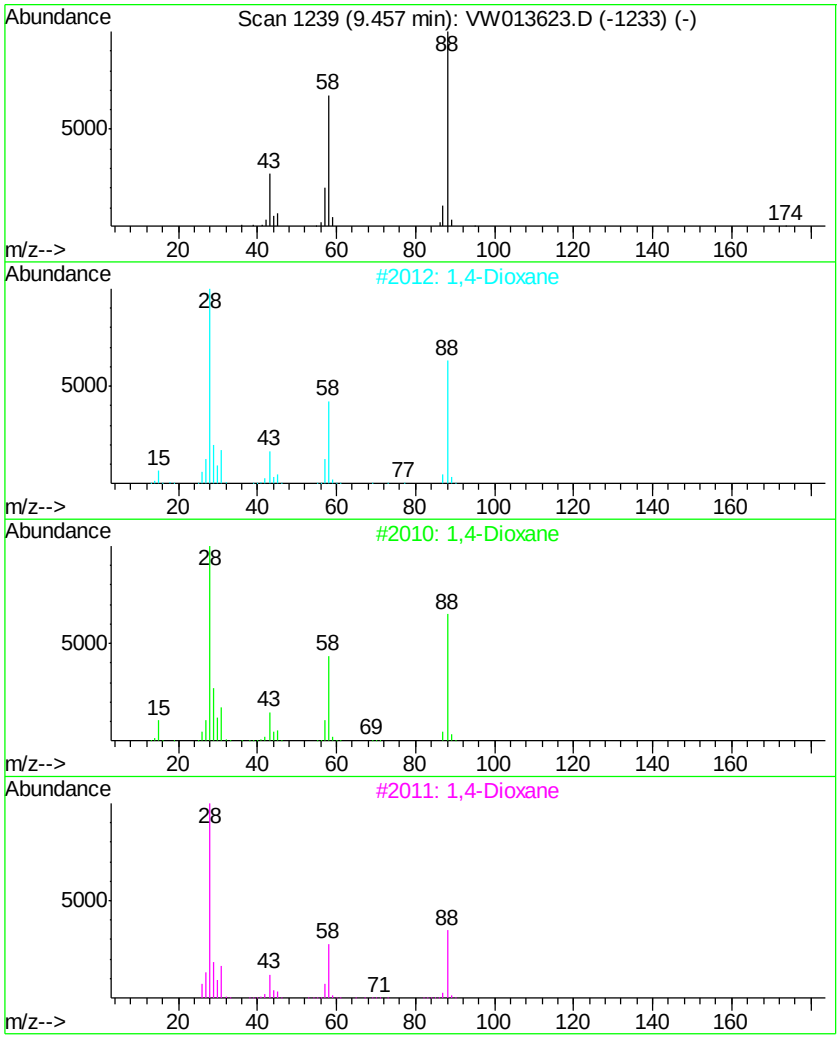
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

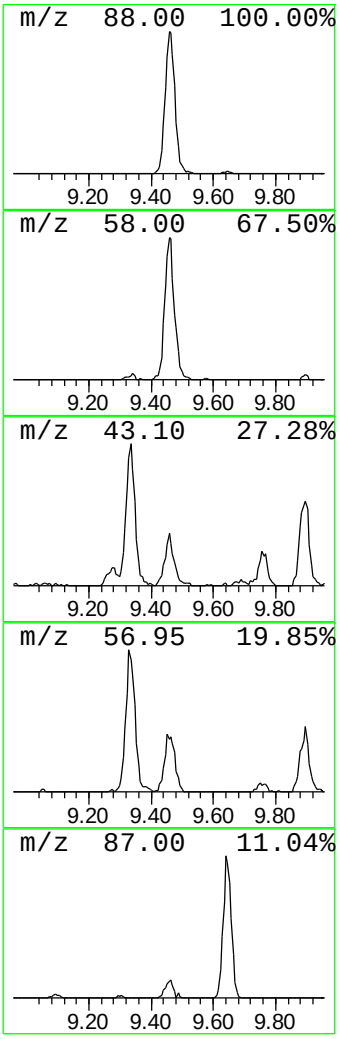
****

Peak Number 2 1,4-Dioxane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	1.88 ug/L	51904	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	83
3	1,4-Dioxane	88	C4H8O2	000123-91-1	83
4	1,4-Dioxane	88	C4H8O2	000123-91-1	78
5	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

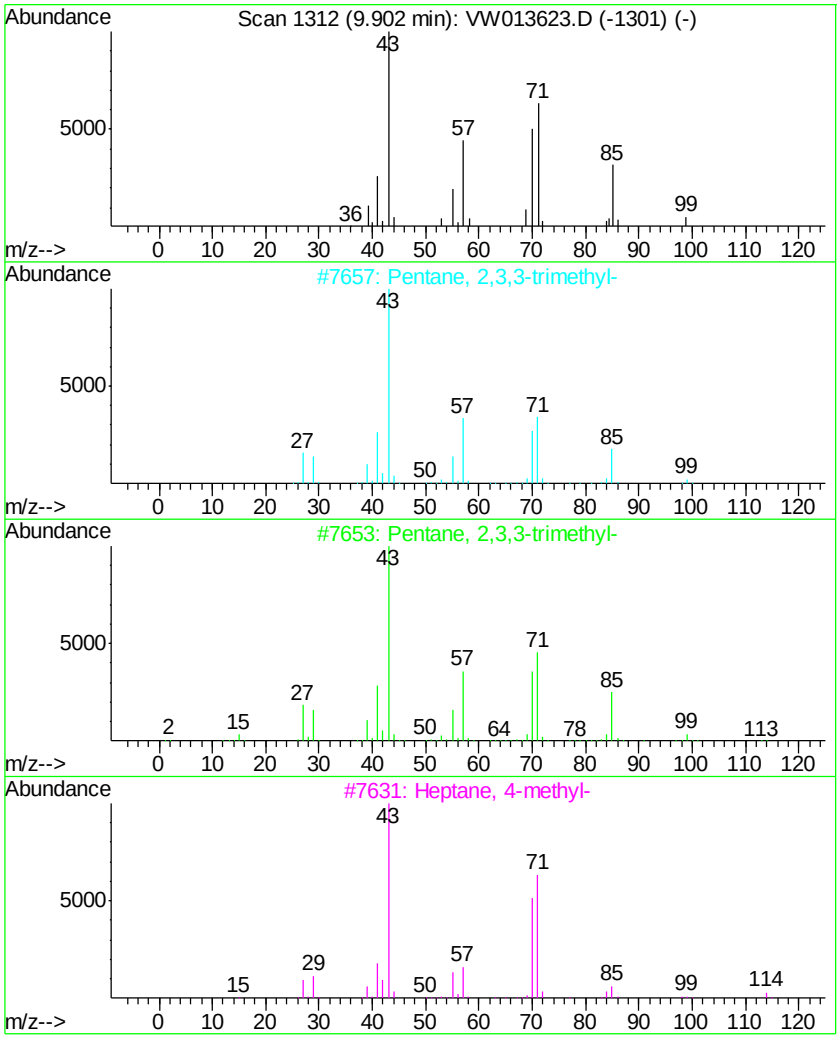
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

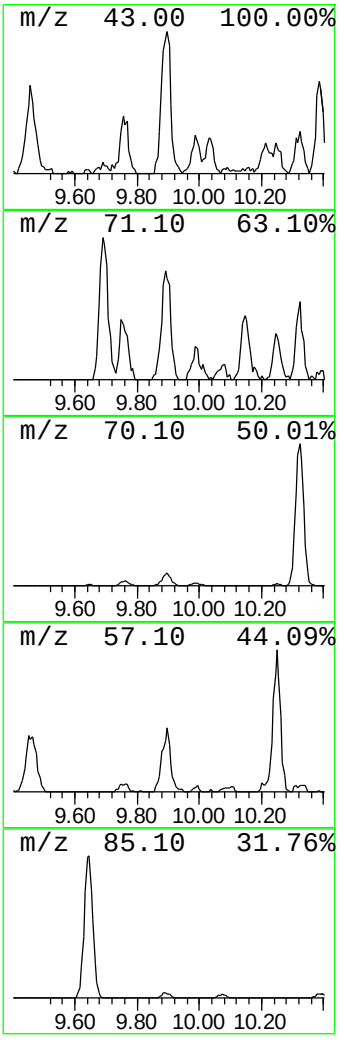
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	1.34 ug/L	36802	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
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Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

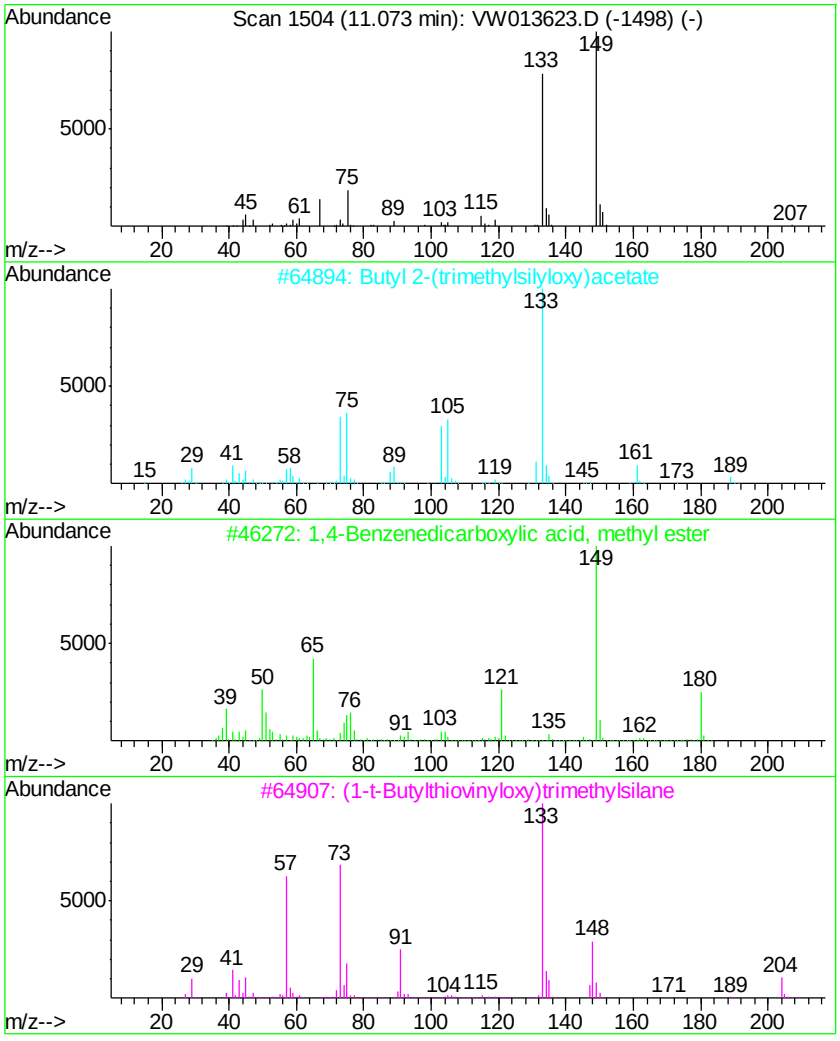
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

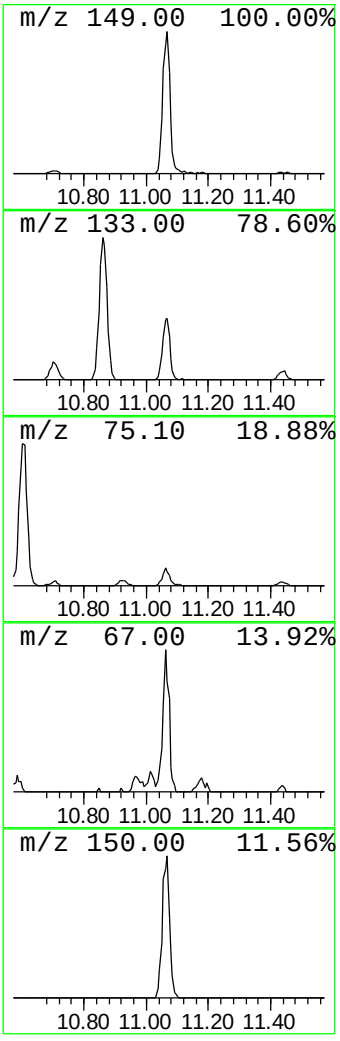
****

Peak Number 5 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.85 ug/L	99588	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl 2-(trimethylsilyloxy)acetate	204	C9H20O3Si	1000366-86-7	23
2	1,4-Benzenedicarboxylic acid, me...	180	C9H8O4	039379-10-7	23
3	(1-t-Butylthiovinyloxy)trimethyl...	204	C9H20OSSi	063584-47-4	17
4	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	17
5	Benzene, 1-isocyanato-2-methyl-	133	C8H7NO	000614-68-6	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

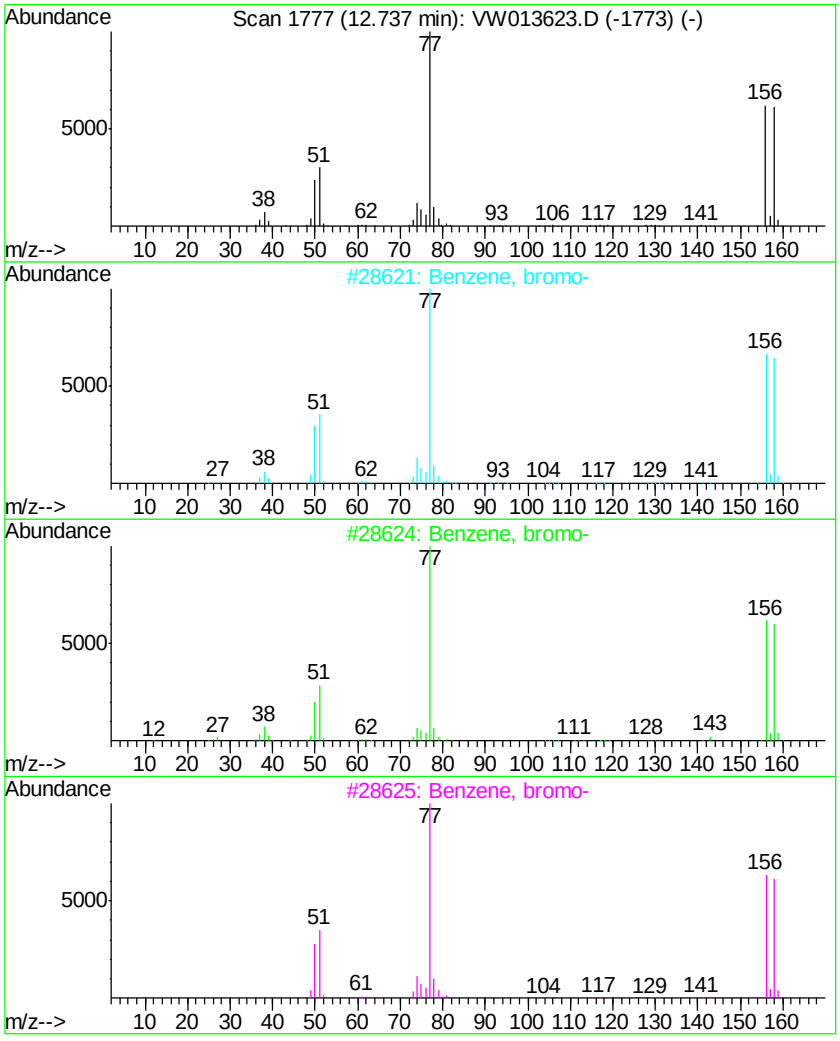
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

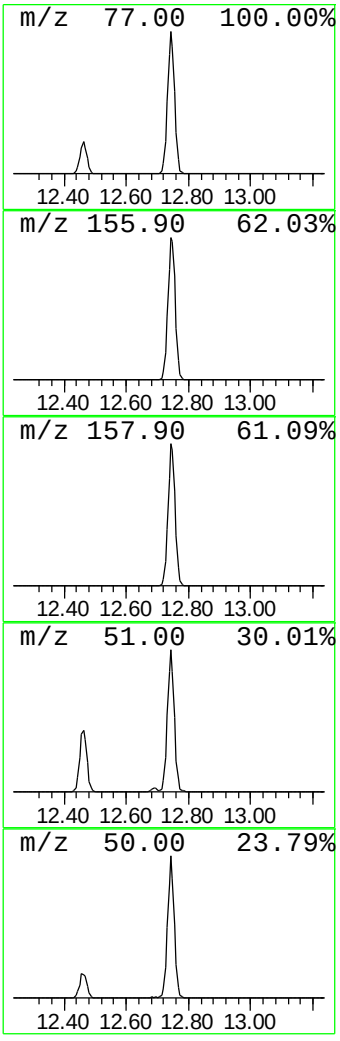
****

Peak Number 8 Benzene, bromo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	21.95 ug/L	894973	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	97
2	Benzene, bromo-	156	C6H5Br	000108-86-1	97
3	Benzene, bromo-	156	C6H5Br	000108-86-1	96
4	Benzene, bromo-	156	C6H5Br	000108-86-1	96
5	Benzene, bromo-	156	C6H5Br	000108-86-1	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

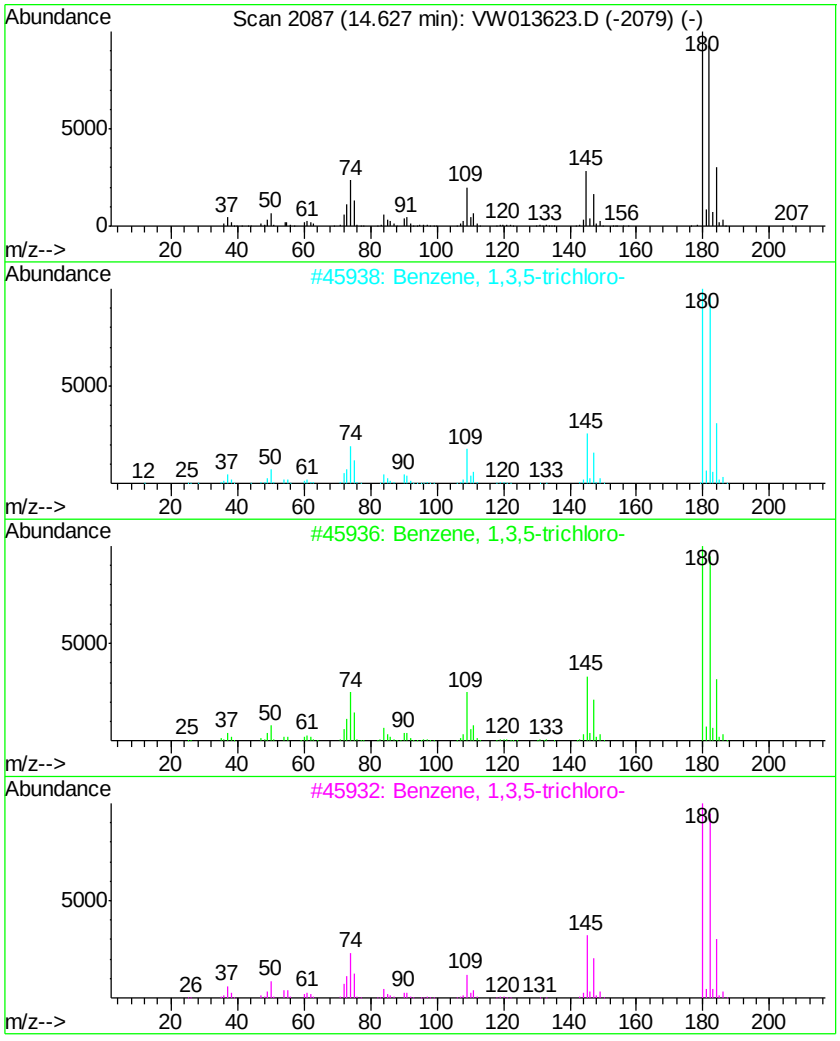
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

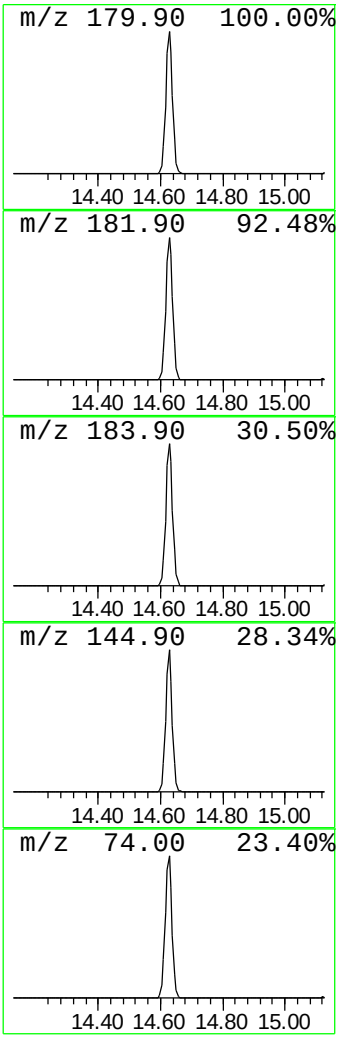
****

Peak Number 9 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	29.69 ug/L	1210430	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
4	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	97
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101819\
Data File : VW013623.D
Acq On : 18 Oct 2019 17:32
Operator : SY/VA
Sample : K5308-06
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : X2J24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Propene, 2-meth...	3.82	1.4	ug/L	39032	1	8.84	688850	25.0
1,4-Dioxane	9.46	1.9	ug/L	51904	1	8.84	688850	25.0
(DEL) Alkane: Str...	9.90	1.3	ug/L	36802	1	8.84	688850	25.0
unknown-01	11.07	2.9	ug/L	99588	2	11.63	872741	25.0
Benzene, bromo-	12.74	21.9	ug/L	894973	3	13.56	1019170	25.0
Benzene, 1,3,5-tr...	14.63	29.7	ug/L	1210430	3	13.56	1019170	25.0