LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

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\SOM2WLM022019S.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	1.952	6	8	14	rVB	7733	10816	0.56%	0.030%
2	2.154	37	41	45	rBV	25436	32484	1.67%	0.089%
3	2.215	45	51	58	rVV	180080	306365	15.73%	0.839%
4	2.349	68	73	84	rVB	181674	277714	14.26%	0.761%
5	2.769	137	142	152	rVB	119853	222278	11.41%	0.609%
6	2.879	154	160	173	rVB	146500	294525	15.12%	0.807%
7	3.257	212	222	233	rVB	186732	416612	21.39%	1.141%
8	3.824	306	315	328	rBV3	29341	82768	4.25%	0.227%
9	4.025	335	348	359	rBV3	371108	1222786	62.79%	3.350%
10	4.135	359	366	380	rVB2	70747	208973	10.73%	0.572%
11	4.263	383	387	388	rBV4	1638	1929	0.10%	0.005%
12	4.379	402	406	409	rBV4	1035	1476	0.08%	0.004%
13	4.421	409	413	414	rBV2	1727	2067	0.11%	0.006%
14	4.440	414	416	419	rVV3	1294	1459	0.07%	0.004%
15	4.678	444	455	468	rVB	65271	193997	9.96%	0.531%
16	4.915	480	494	512	rBV2	99294	326483	16.77%	0.894%
17	5.129	527	529	533	rBV5	1504	1636	0.08%	0.004%
18	5.238	544	547	550	rVB5	1398	1793	0.09%	0.005%
19	5.421	563	577	593	rBV	396008	1316352	67.60%	3.606%
20	5.568	598	601	607	rVV6	1374	3090	0.16%	0.008%
21	5.738	624	629	631	rVV5	1085	1816	0.09%	0.005%
22	5.946	654	663	668	rBV6	8896	25380	1.30%	0.070%
23	6.122	690	692	695	rVB3	1428	1473	0.08%	0.004%
24	6.196	701	704	706	rVB4	1065	1307	0.07%	0.004%
25	6.708	787	788	793	rBV5	1340	1383	0.07%	0.004%
26	6.909	817	821	823	rBV3	1319	1311	0.07%	0.004%
27	7.080	838	849	855	rBV	57897	154749	7.95%	0.424%
28	7.165	855	863	881	rVB2	286554	747148	38.37%	2.047%
29	7.384	893	899	902	rVB5	1318	2796	0.14%	0.008%
30	7.439	902	908	909	rBV4	1021	1987	0.10%	0.005%
31	7.512	909	920	930	rBV	127309	317430	16.30%	0.870%
32	7.640	932	941	956	rBV	261978	695201	35.70%	1.905%
33	7.872	964	979	985	rBV	136075	350347	17.99%	0.960%
34	7.951	985	992	1001	rVV2	228557	555898	28.55%	1.523%

LSC Area Percent Report

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Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

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\SOM2WLM022019S.M
Title : VOC Analysis

35	8.061	1001	1010	1020	rVB	167682	409509	21.03%	1.122%
36	8.274	1034	1045	1058	rBV2	561897	1642587	84.35%	4.500%
37	8.396	1058	1065	1074	rVB	91685	198398	10.19%	0.544%
38	8.567	1091	1093	1096	rBV3	1419	1459	0.07%	0.004%
39	8.677	1107	1111	1114	rBV5	2824	4261	0.22%	0.012%
40	8.841	1126	1138	1152	rVB	530075	1040104	53.41%	2.849%
41	9.091	1169	1179	1189	rBV	818506	1596827	82.00%	4.375%
42	9.274	1200	1209	1213	rBV	380819	759129	38.98%	2.080%
43	9.335	1213	1219	1232	rVV2	726889	1855606	95.29%	5.083%
44	9.457	1232	1239	1248	rVV2	26329	59675	3.06%	0.163%
45	9.640	1261	1269	1276	rBV	247694	502885	25.82%	1.378%
46	9.756	1283	1288	1298	rVB2	17203	34597	1.78%	0.095%
47	9.890	1303	1310	1318	rBV2	43187	84735	4.35%	0.232%
48	10.030	1325	1333	1336	rBV	225784	408520	20.98%	1.119%
49	10.073	1336	1340	1348	rVV	299571	537977	27.63%	1.474%
50	10.152	1348	1353	1361	rVB5	8108	19093	0.98%	0.052%
51	10.250	1361	1369	1374	rBV	20904	39549	2.03%	0.108%
52	10.323	1374	1381	1386	rVV	859314	1487113	76.37%	4.074%
53	10.390	1386	1392	1400	rVB	781255	1387608	71.26%	3.801%
54	10.512	1408	1412	1415	rBV4	1281	2031	0.10%	0.006%
55	10.579	1415	1423	1426	rBV	167705	352657	18.11%	0.966%
56	10.725	1438	1447	1448	rBV	24995	53677	2.76%	0.147%
57	10.859	1461	1469	1475	rBV	1090963	1865150	95.78%	5.110%
58	10.926	1475	1480	1483	rVV	225674	361000	18.54%	0.989%
59	10.969	1483	1487	1492	rVB	231948	369073	18.95%	1.011%
60	11.128	1506	1513	1522	rVB	233346	404635	20.78%	1.109%
61	11.548	1579	1582	1584	rBV2	1506	1301	0.07%	0.004%
62	11.634	1584	1596	1605	rBV	783517	1339987	68.81%	3.671%
63	11.731	1605	1612	1622	rVB	695886	1124665	57.75%	3.081%
64	11.847	1624	1631	1639	rVB	460051	741836	38.10%	2.032%
65	12.036	1657	1662	1663	rBV5	1318	1966	0.10%	0.005%
66	12.164	1675	1683	1693	rBV	541672	887513	45.58%	2.431%
67	12.469	1724	1733	1741	rBV	614292	992186	50.95%	2.718%
68	12.615	1750	1757	1763	rBV	30506	54703	2.81%	0.150%
69	12.694	1763	1770	1774	rVV	320364	549491	28.22%	1.505%
70	12.749	1774	1779	1788	rVB	710172	1172259	60.20%	3.211%
71	12.816	1788	1790	1795	rVB5	1278	1740	0.09%	0.005%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

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\SOM2WLM022019S.M
Title : VOC Analysis

72	12.883	1799	1801	1803	rVB4	1516	1318	0.07%	0.004%
73	13.017	1819	1823	1828	rVB5	2189	3020	0.16%	0.008%
74	13.200	1847	1853	1855	rBV6	2429	3966	0.20%	0.011%
75	13.274	1862	1865	1869	rVB5	1391	1847	0.09%	0.005%
76	13.414	1882	1888	1891	rVB6	3759	6621	0.34%	0.018%
77	13.499	1891	1902	1907	rBV	777886	1237748	63.56%	3.391%
78	13.560	1907	1912	1925	rVB	876966	1424280	73.14%	3.902%
79	13.859	1952	1961	1973	rBV3	970092	1947328	100.00%	5.335%
80	14.078	1992	1997	2007	rVB2	18434	33081	1.70%	0.091%
81	14.328	2035	2038	2039	rBV3	1730	1844	0.09%	0.005%
82	14.487	2058	2064	2072	rBV2	88430	151403	7.77%	0.415%
83	14.633	2079	2088	2094	rBV	949248	1506494	77.36%	4.127%
84	14.718	2101	2102	2107	rVB5	1719	1948	0.10%	0.005%
85	14.816	2115	2118	2119	rBV3	1292	1349	0.07%	0.004%
86	14.834	2119	2121	2123	rVB3	1228	1268	0.07%	0.003%
87	14.853	2123	2124	2127	rBV3	1553	1378	0.07%	0.004%
88	15.084	2158	2162	2163	rBV3	1284	1289	0.07%	0.004%
89	15.139	2167	2171	2175	rVB7	3355	5510	0.28%	0.015%
90	15.359	2204	2207	2210	rBV5	1471	1872	0.10%	0.005%
91	15.444	2218	2221	2225	rVB2	5691	7461	0.38%	0.020%
92	15.505	2226	2231	2238	rVB2	7602	14463	0.74%	0.040%
93	15.560	2238	2240	2241	rBV2	1901	1302	0.07%	0.004%
94	15.615	2248	2249	2251	rBV2	1631	1391	0.07%	0.004%
95	15.755	2270	2272	2276	rBV2	1596	1715	0.09%	0.005%
96	15.810	2277	2281	2285	rVB6	2403	3999	0.21%	0.011%
97	16.401	2374	2378	2379	rBV4	1510	2029	0.10%	0.006%
98	16.450	2384	2386	2393	rVB5	1778	3083	0.16%	0.008%
99	16.517	2393	2397	2399	rBV5	1823	2486	0.13%	0.007%
100	16.633	2413	2416	2420	rVB5	1110	2057	0.11%	0.006%

Sum of corrected areas: 36502881

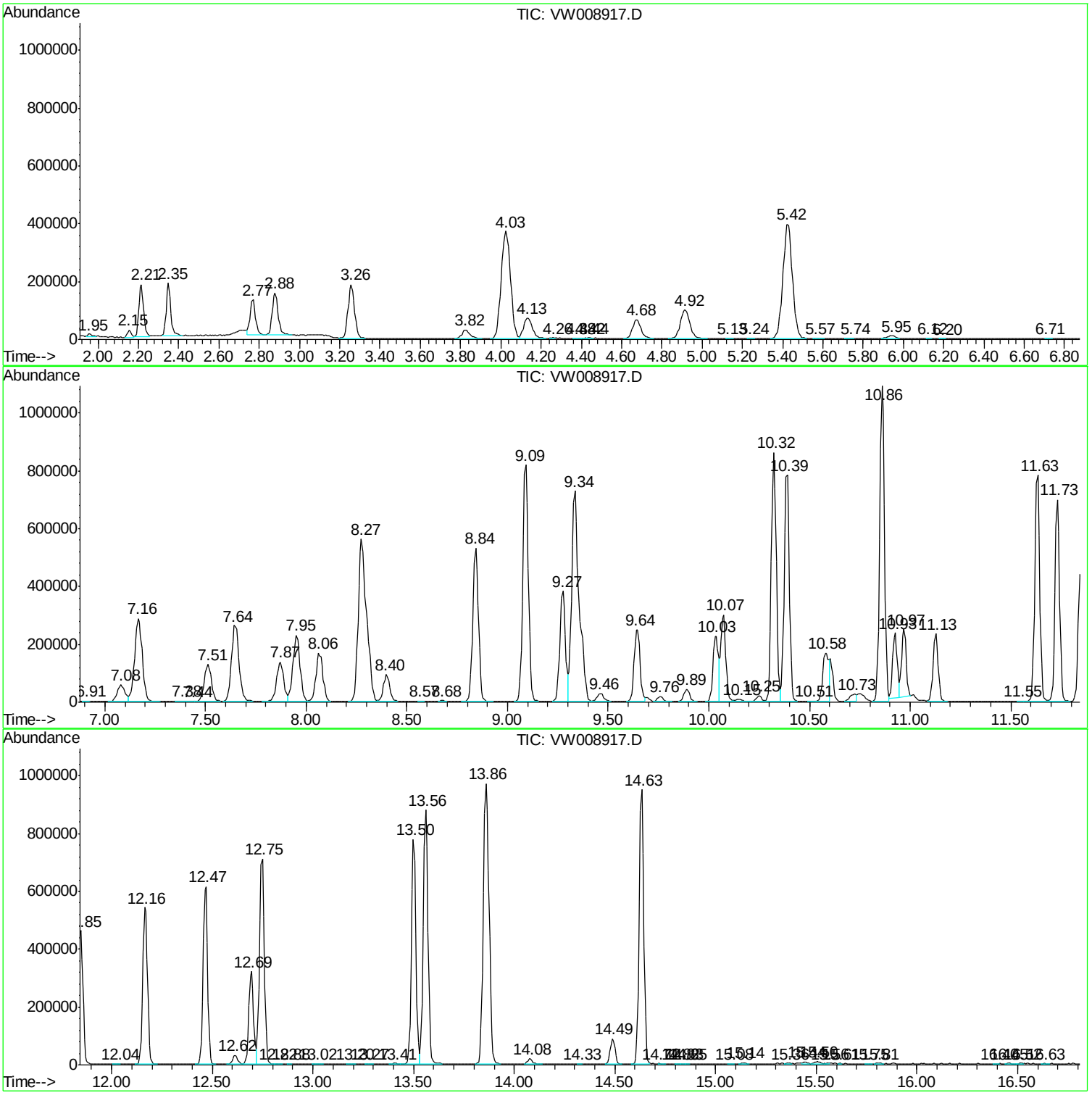
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.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\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis

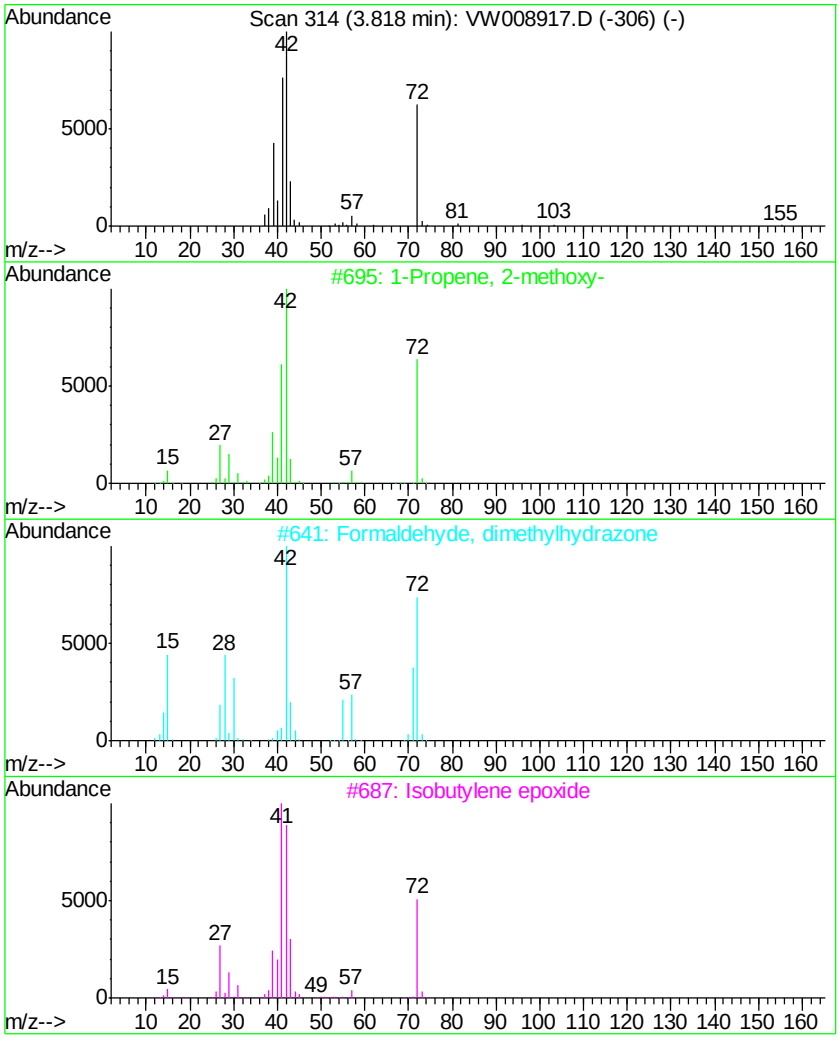
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

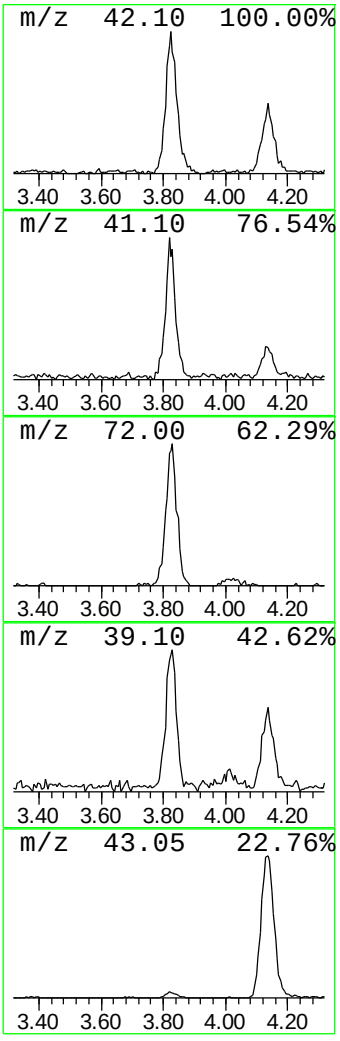
****

Peak Number 1 1-Propene, 2-methoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	1.99 ug/L	82768	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	58
2	Formaldehyde, dimethylhydrazone	72	C3H8N2	002035-89-4	53
3	Isobutylene epoxide	72	C4H8O	000558-30-5	53
4	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	50
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis

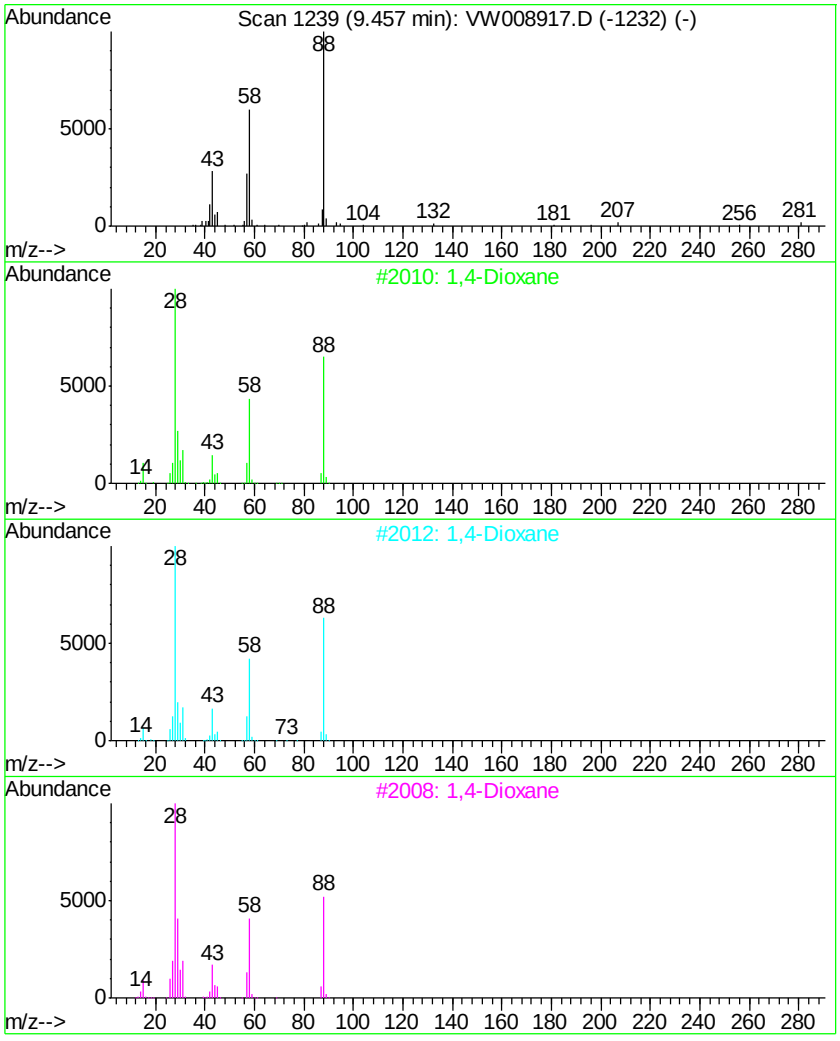
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

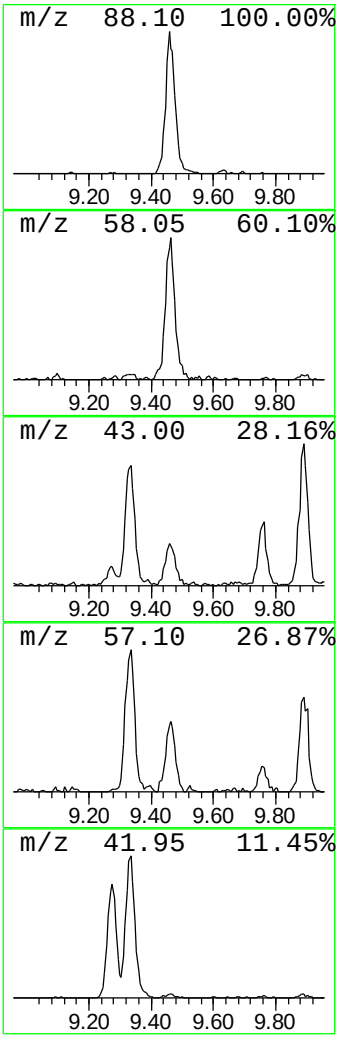
****

Peak Number 2 1,4-Dioxane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	1.43 ug/L	59675	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	80
2	1,4-Dioxane	88	C4H8O2	000123-91-1	80
3	1,4-Dioxane	88	C4H8O2	000123-91-1	72
4	1,4-Dioxane	88	C4H8O2	000123-91-1	72
5	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis

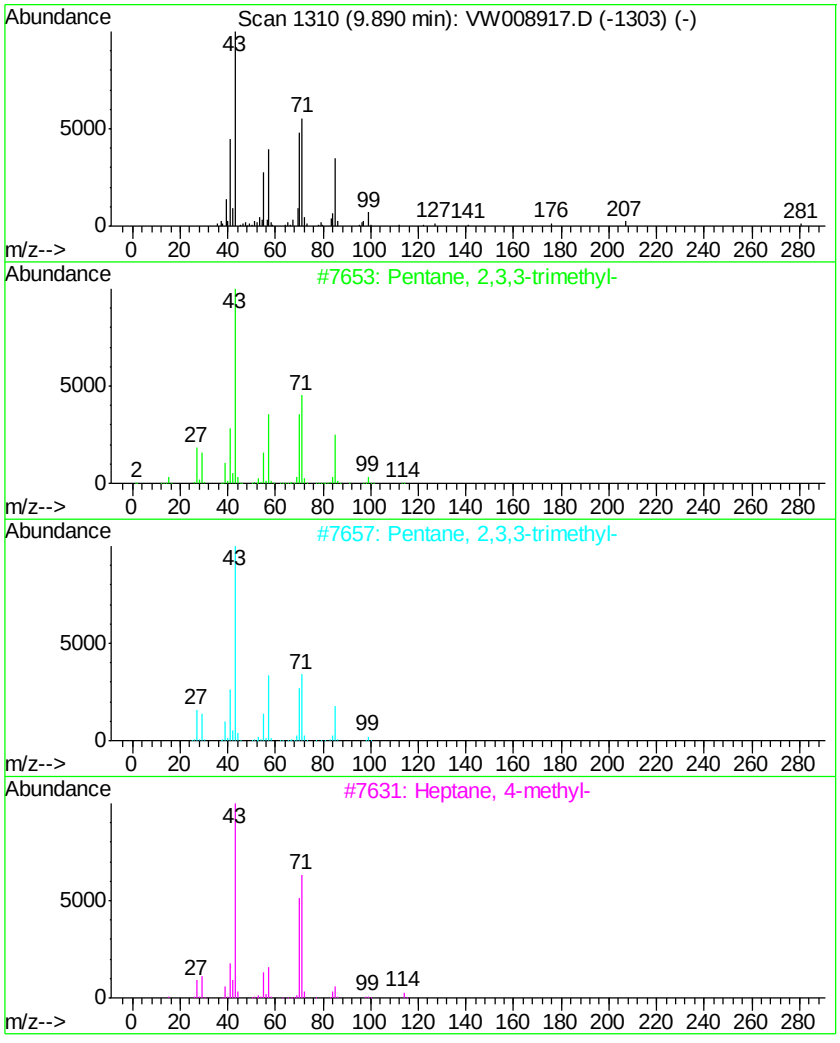
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

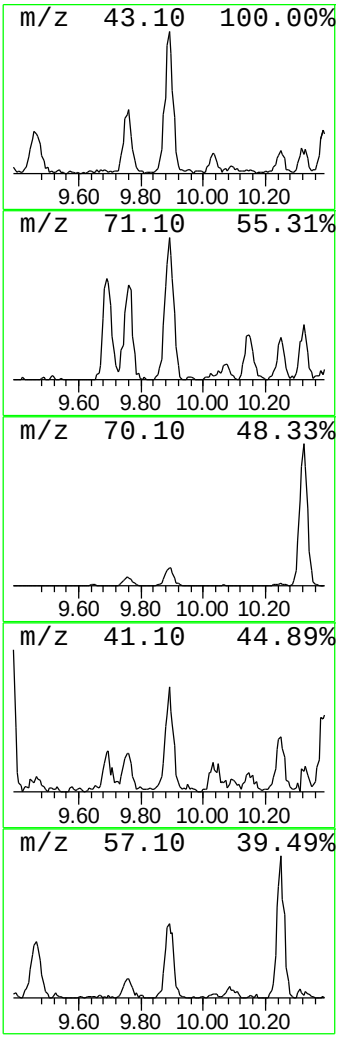
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	2.04 ug/L	84735	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	78
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis

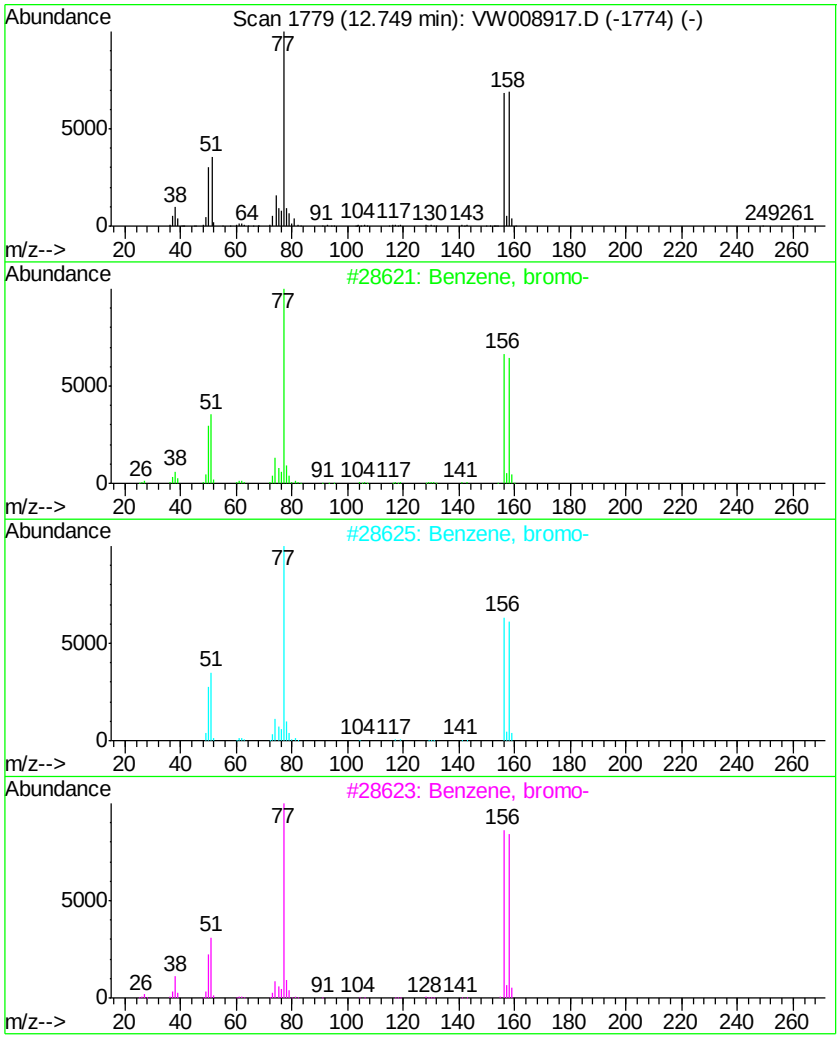
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

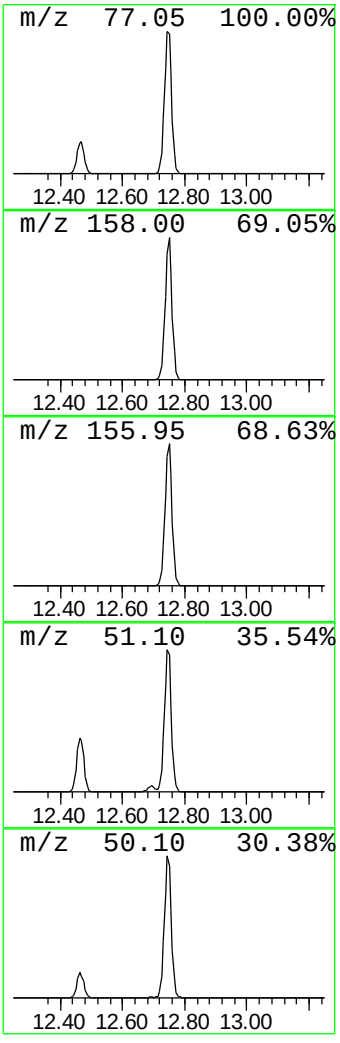
****

Peak Number 4 Benzene, bromo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	20.58 ug/L	1172260	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	94
5	Benzene, bromo-	156	C6H5Br	000108-86-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
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Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis

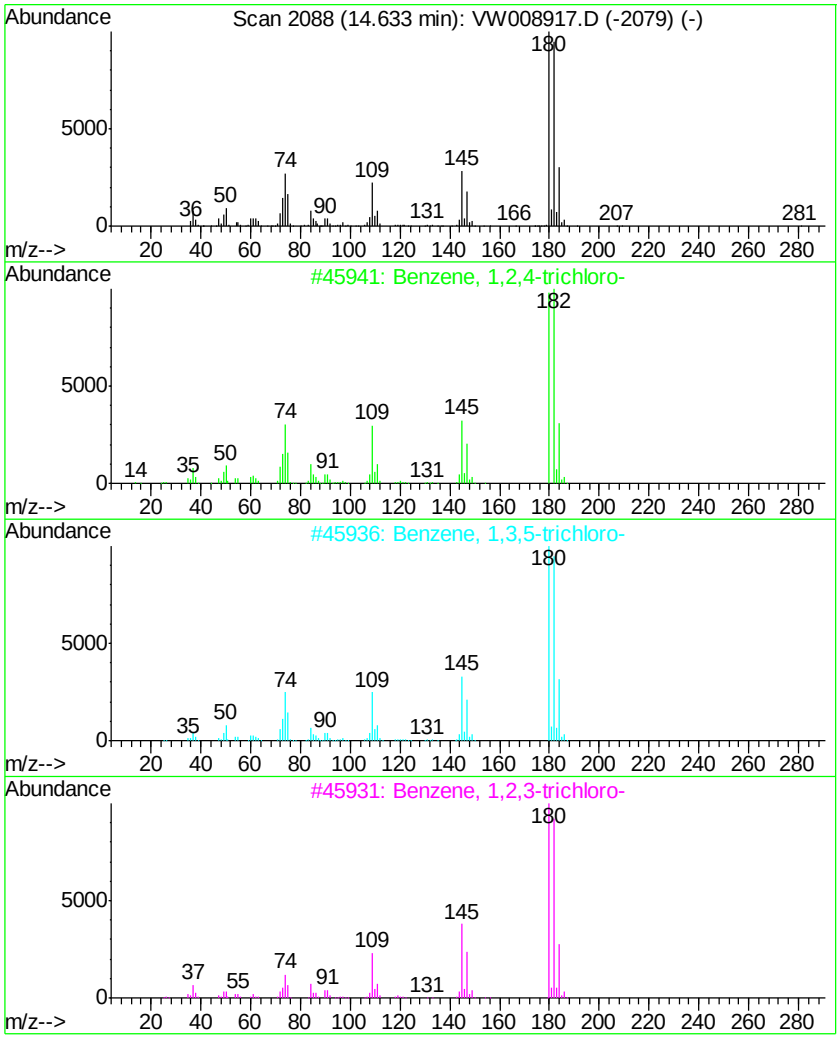
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

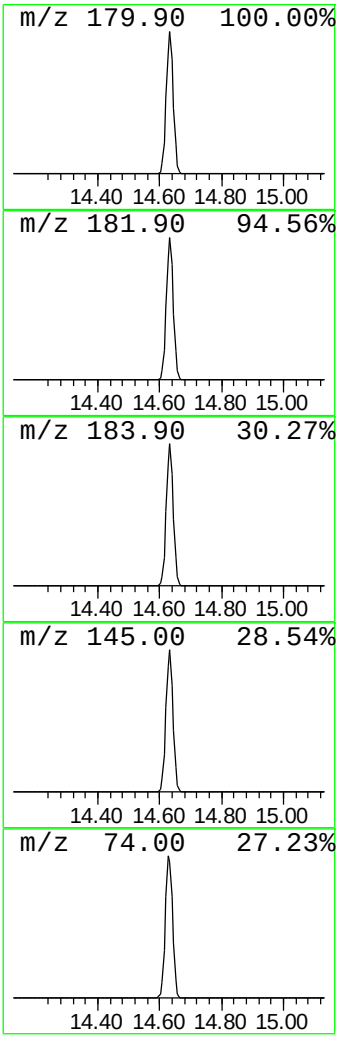
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	26.44 ug/L	1506490	1,4-Dichlorobenzene-d4	13.56

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030119\
Data File : VW008917.D
Acq On : 01 Mar 2019 12:06
Operator : SY/VA
Sample : K1657-22
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB639

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.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	2.0	ug/L	82768	1	8.84	1040100	25.0
1,4-Dioxane	9.46	1.4	ug/L	59675	1	8.84	1040100	25.0
(DEL) Alkane: Str...	9.89	2.0	ug/L	84735	1	8.84	1040100	25.0
Benzene, bromo-	12.75	20.6	ug/L	1172260	3	13.56	1424280	25.0
Benzene, 1,3,5-tr...	14.63	26.4	ug/L	1506490	3	13.56	1424280	25.0