LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120519\
Data File : VV013911.D
Acq On : 05 Dec 2019 12:44
Operator : SY/MD
Sample : K6165-01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

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_V\METHOD\SOMVLM120219WMA.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	1.222	33	41	59	rVB4	40940	77400	1.94%	0.151%
2	1.319	62	71	86	rBV2	612695	645326	16.17%	1.262%
3	1.560	139	146	148	rBV	252482	261787	6.56%	0.512%
4	2.126	311	322	334	rBV3	863644	1439874	36.09%	2.816%
5	2.309	368	379	392	rVB	566073	811118	20.33%	1.587%
6	2.447	409	422	436	rBV	270437	432616	10.84%	0.846%
7	2.528	436	447	464	rVB	385179	614996	15.41%	1.203%
8	2.643	472	483	500	rVB2	18861	45489	1.14%	0.089%
9	2.794	515	530	553	rVV	577225	1167642	29.27%	2.284%
10	3.045	603	608	610	rBV5	1541	1366	0.03%	0.003%
11	3.061	610	613	617	rBV5	1747	1404	0.04%	0.003%
12	3.219	647	662	681	rVV2	183710	375913	9.42%	0.735%
13	3.418	721	724	731	rVB7	1705	1883	0.05%	0.004%
14	3.457	731	736	739	rBV4	1531	1480	0.04%	0.003%
15	3.704	808	813	816	rVB6	1228	955	0.02%	0.002%
16	3.942	868	887	915	rBV2	231164	890317	22.32%	1.741%
17	4.302	995	999	1001	rBV2	1473	1257	0.03%	0.002%
18	4.389	1006	1026	1051	rBV	371869	896278	22.47%	1.753%
19	4.576	1080	1084	1087	rBV5	1544	1039	0.03%	0.002%
20	4.646	1087	1106	1129	rBV2	375559	926330	23.22%	1.812%
21	4.855	1167	1171	1174	rBV5	1788	1088	0.03%	0.002%
22	4.875	1175	1177	1181	rVB5	1675	1140	0.03%	0.002%
23	5.084	1223	1242	1257	rBV2	848002	2146117	53.79%	4.198%
24	5.167	1258	1268	1288	rVB	435678	922134	23.11%	1.804%
25	5.325	1314	1317	1323	rVB8	2116	1764	0.04%	0.003%
26	5.402	1338	1341	1343	rBV4	1772	1020	0.03%	0.002%
27	5.653	1405	1419	1445	rBV	747408	1471489	36.88%	2.878%
28	5.836	1472	1476	1479	rBV5	1641	1387	0.03%	0.003%
29	5.949	1492	1511	1535	rBV	1007679	1997946	50.08%	3.908%
30	6.106	1546	1560	1580	rBV	472970	946012	23.71%	1.850%
31	6.212	1581	1593	1613	rVB	281214	550574	13.80%	1.077%
32	6.312	1622	1624	1630	rVB6	2222	1830	0.05%	0.004%
33	6.341	1630	1633	1640	rVB8	2616	1952	0.05%	0.004%
34	6.405	1640	1653	1674	rBV	54260	121109	3.04%	0.237%

LSC Area Percent Report

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Sample : K6165-01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

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_V\METHOD\SOMVLM120219WMA.M
Title : VOC Analysis

35	6.624	1715	1721	1722	rBV5	1626	1503	0.04%	0.003%
36	6.650	1727	1729	1733	rVB5	2124	1812	0.05%	0.004%
37	6.801	1771	1776	1780	rBV5	1296	1436	0.04%	0.003%
38	6.833	1783	1786	1791	rVB6	1740	1526	0.04%	0.003%
39	6.894	1797	1805	1809	rBV10	3319	4029	0.10%	0.008%
40	7.023	1832	1845	1866	rBV	256840	469197	11.76%	0.918%
41	7.135	1877	1880	1885	rVB7	1865	1503	0.04%	0.003%
42	7.190	1885	1897	1905	rBV6	11401	24974	0.63%	0.049%
43	7.264	1909	1920	1935	rVV	424272	743187	18.63%	1.454%
44	7.351	1936	1947	1960	rVV	996929	1727212	43.29%	3.378%
45	7.425	1960	1970	1989	rVB	796267	1357810	34.03%	2.656%
46	7.656	2031	2042	2047	rBV	198044	322992	8.10%	0.632%
47	7.875	2098	2110	2129	rBV	597922	985571	24.70%	1.928%
48	8.013	2139	2153	2175	rVB	650178	1100895	27.59%	2.153%
49	8.125	2177	2188	2196	rBV2	493214	869301	21.79%	1.700%
50	8.174	2197	2203	2228	rVB	387635	665462	16.68%	1.302%
51	8.389	2259	2270	2291	rVB	287084	487313	12.21%	0.953%
52	8.643	2342	2349	2355	rVB10	2760	3999	0.10%	0.008%
53	8.688	2355	2363	2366	rBV9	2102	2700	0.07%	0.005%
54	8.720	2371	2373	2378	rVB5	1294	929	0.02%	0.002%
55	8.891	2412	2426	2430	rBV	1117455	1824895	45.74%	3.570%
56	9.048	2463	2475	2497	rBV	1835260	2825498	70.82%	5.527%
57	9.170	2502	2513	2544	rVB	1235003	1909847	47.87%	3.736%
58	9.299	2551	2553	2556	rBV3	1700	1033	0.03%	0.002%
59	9.518	2617	2621	2628	rVB8	1494	1876	0.05%	0.004%
60	9.592	2628	2644	2669	rBV3	1056791	2273120	56.98%	4.446%
61	9.768	2687	2699	2712	rVB2	166472	274828	6.89%	0.538%
62	9.968	2749	2761	2787	rBV	1302131	1994072	49.98%	3.900%
63	10.254	2837	2850	2876	rBV2	1659415	3989661	100.00%	7.804%
64	10.460	2911	2914	2917	rVB4	1524	1023	0.03%	0.002%
65	10.485	2919	2922	2924	rBV4	1884	1019	0.03%	0.002%
66	10.530	2934	2936	2939	rVB3	1700	938	0.02%	0.002%
67	10.582	2944	2952	2953	rBV7	2397	2673	0.07%	0.005%
68	10.659	2973	2976	2984	rVB9	1236	935	0.02%	0.002%
69	10.717	2992	2994	2998	rVB5	1418	943	0.02%	0.002%
70	10.807	3019	3022	3023	rBV2	1506	971	0.02%	0.002%
71	10.894	3045	3049	3052	rBV4	1190	1089	0.03%	0.002%

LSC Area Percent Report

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Sample : K6165-01
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

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_V\METHOD\SOMVLM120219WMA.M
Title : VOC Analysis

72	11.032	3087	3092	3096	rVB7	1792	1699	0.04%	0.003%
73	11.061	3097	3101	3102	rBV4	1577	1077	0.03%	0.002%
74	11.161	3130	3132	3134	rBV4	1716	923	0.02%	0.002%
75	11.222	3139	3151	3161	rBV	447246	698606	17.51%	1.366%
76	11.289	3161	3172	3176	rBV	1164392	1840017	46.12%	3.599%
77	11.411	3208	3210	3219	rVB9	3022	3239	0.08%	0.006%
78	11.678	3277	3293	3313	rBV2	1771600	3967955	99.46%	7.761%
79	11.942	3368	3375	3376	rBV6	6291	5884	0.15%	0.012%
80	11.990	3387	3390	3392	rBV2	1666	995	0.02%	0.002%
81	12.051	3405	3409	3411	rBV4	1235	1147	0.03%	0.002%
82	12.318	3489	3492	3494	rBV3	1856	1285	0.03%	0.003%
83	12.392	3511	3515	3519	rBV6	1220	1194	0.03%	0.002%
84	12.469	3526	3539	3555	rBV2	472131	760935	19.07%	1.488%
85	12.688	3594	3607	3622	rBV	1270468	1948706	48.84%	3.812%
86	12.762	3628	3630	3636	rVB6	2114	1083	0.03%	0.002%
87	13.071	3723	3726	3729	rBV4	1588	1200	0.03%	0.002%
88	13.170	3754	3757	3762	rVB6	1174	967	0.02%	0.002%
89	13.196	3763	3765	3769	rVB3	1777	1052	0.03%	0.002%
90	13.225	3772	3774	3779	rVB5	1560	1140	0.03%	0.002%
91	13.309	3793	3800	3807	rBV5	7097	10104	0.25%	0.020%
92	13.363	3813	3817	3819	rBV4	2267	1693	0.04%	0.003%
93	13.505	3858	3861	3863	rBV4	1548	1184	0.03%	0.002%
94	13.550	3868	3875	3886	rVV3	6615	12208	0.31%	0.024%
95	13.710	3921	3925	3928	rBV4	1586	1522	0.04%	0.003%
96	13.788	3935	3949	3970	rBV	745668	1215195	30.46%	2.377%
97	14.299	4103	4108	4110	rBV5	1631	1460	0.04%	0.003%
98	14.405	4138	4141	4144	rBV5	2559	1649	0.04%	0.003%
99	14.794	4260	4262	4266	rBV2	1706	1055	0.03%	0.002%
100	15.148	4370	4372	4376	rBV4	2073	1402	0.04%	0.003%

Sum of corrected areas: 51124380

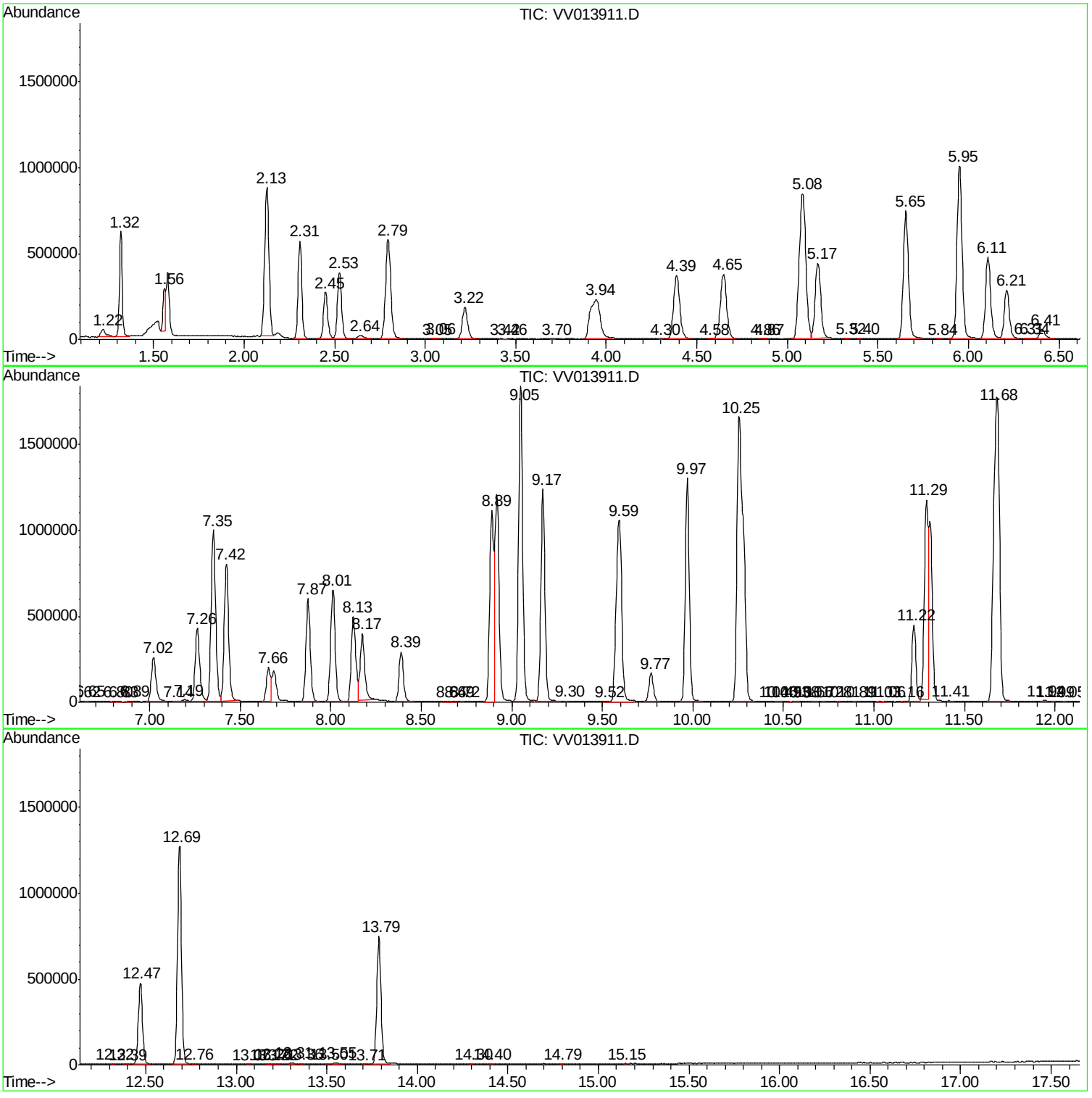
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120519\
Data File : VV013911.D
Acq On : 05 Dec 2019 12:44
Operator : SY/MD
Sample : K6165-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120519\
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Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

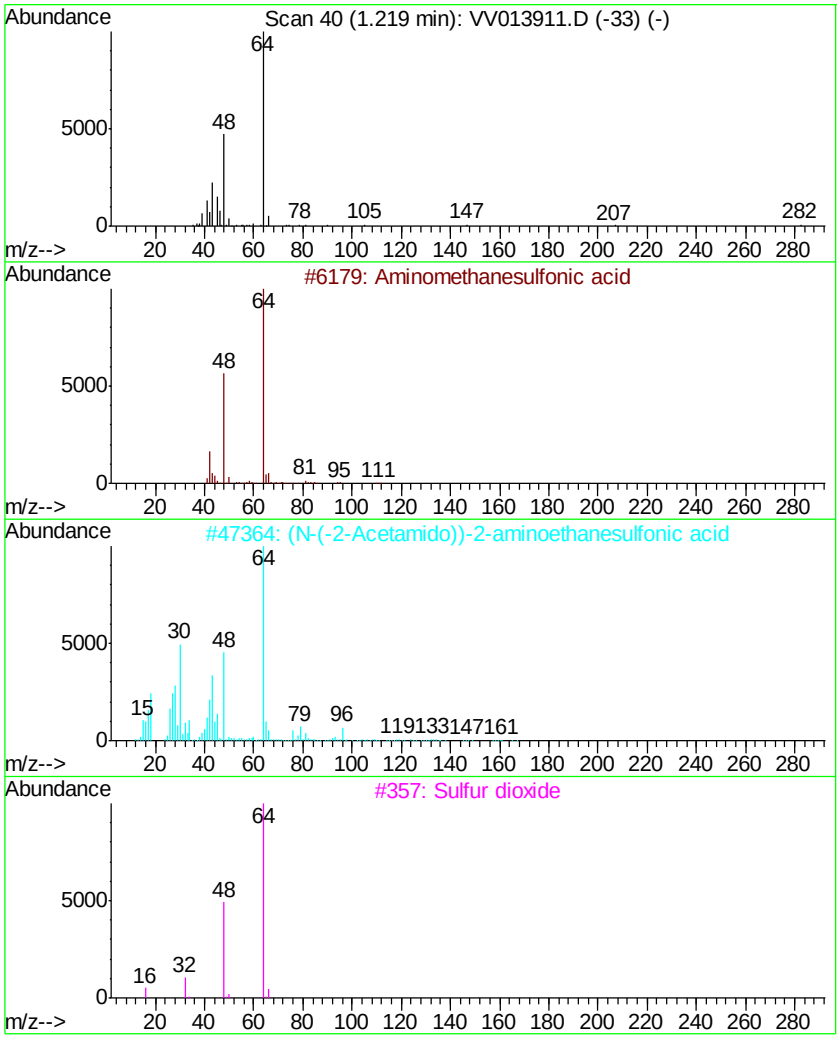
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

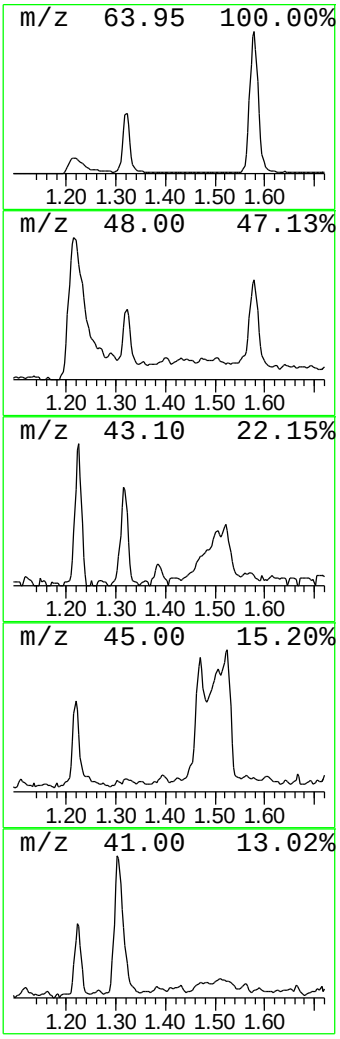
****

Peak Number 1 Aminomethanesulfonic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	2.63 ug/L	77400	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
2	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	64
3	Sulfur dioxide	64	O2S	007446-09-5	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120519\
Data File : VV013911.D
Acq On : 05 Dec 2019 12:44
Operator : SY/MD
Sample : K6165-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

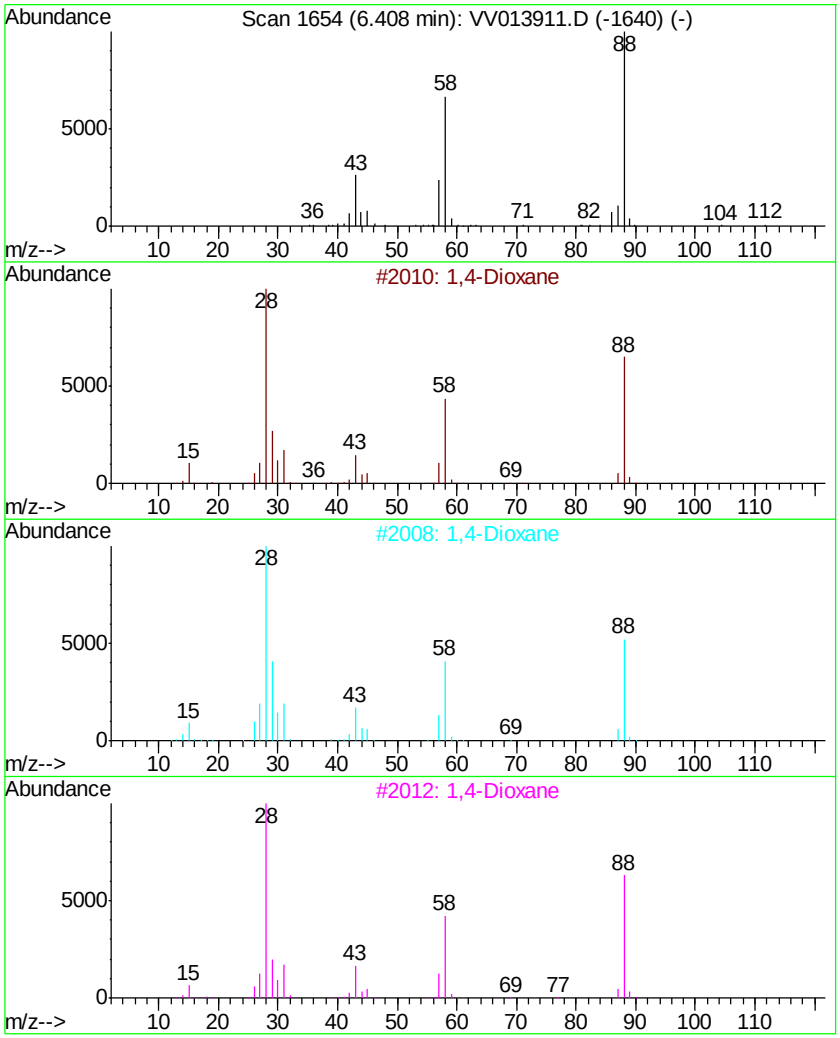
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

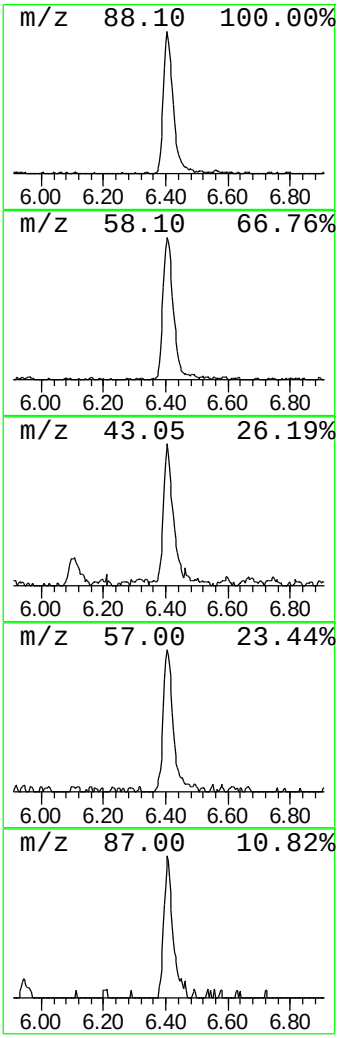
****

Peak Number 2 1,4-Dioxane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	4.12 ug/L	121109	1,4-Difluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	86
3	1,4-Dioxane	88	C4H8O2	000123-91-1	86
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	43





Library Search Compound Report

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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

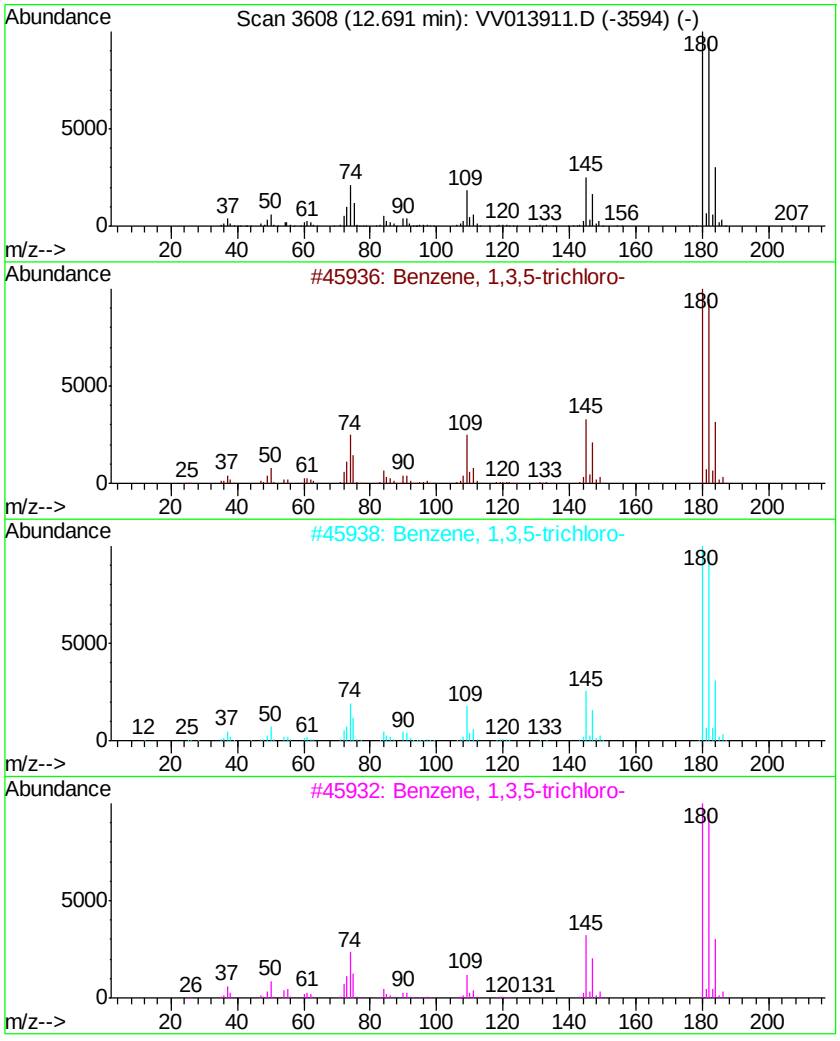
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

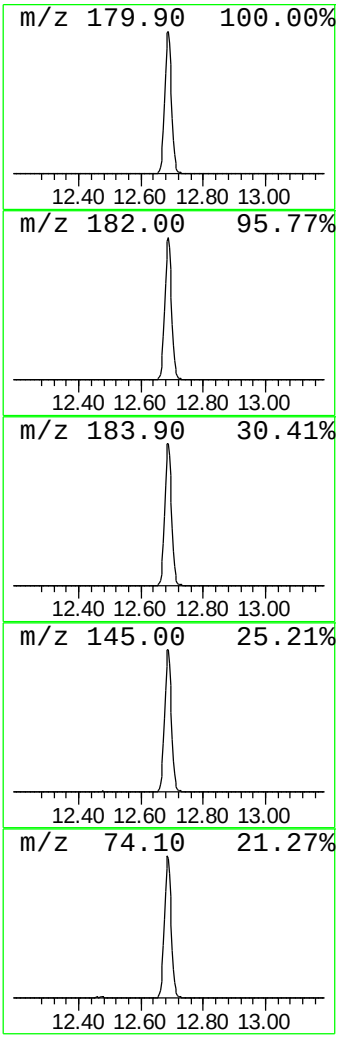
****

Peak Number 4 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	52.95 ug/L	1948710	1,4-Dichlorobenzene-d4	11.29

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	95
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	94





Library Search Compound Report

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Acq On : 05 Dec 2019 12:44
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

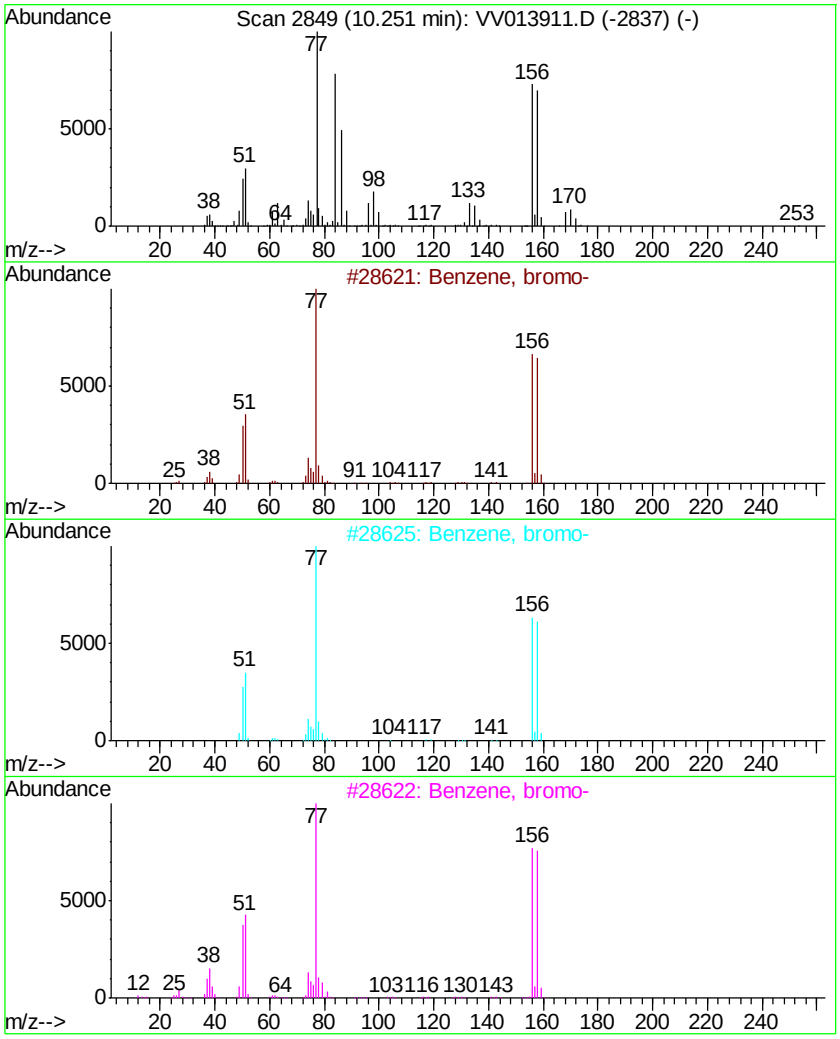
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

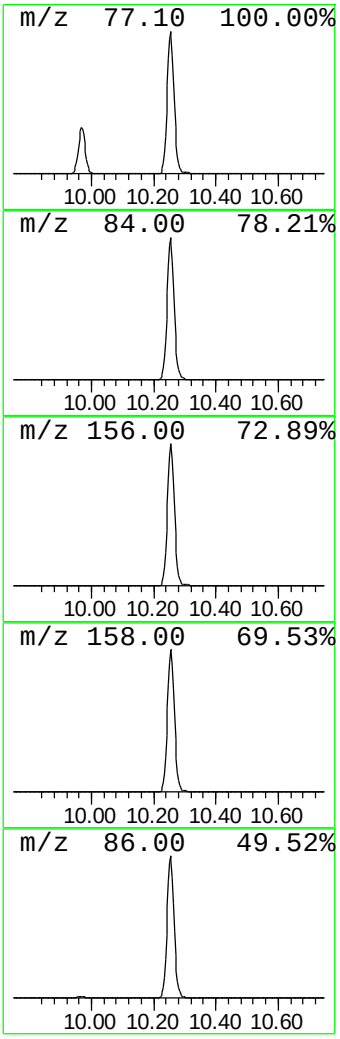
****

Peak Number 5 Benzene, bromo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	108.41 ug/L	3989660	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	95
2	Benzene, bromo-	156	C6H5Br	000108-86-1	95
3	Benzene, bromo-	156	C6H5Br	000108-86-1	90
4	Benzene, bromo-	156	C6H5Br	000108-86-1	87
5	Benzene, bromo-	156	C6H5Br	000108-86-1	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120519\
Data File : VV013911.D
Acq On : 05 Dec 2019 12:44
Operator : SY/MD
Sample : K6165-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBBY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.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
Aminomethanesulfo...	1.22	2.6	ug/L	77400	1	5.65	1471490	50.0
1,4-Dioxane	6.41	4.1	ug/L	121109	1	5.65	1471490	50.0
Benzene, 1,3,5-tr...	12.69	53.0	ug/L	1948710	3	11.29	1840020	50.0
Benzene, bromo-	10.25	108.4	ug/L	3989660	3	11.29	1840020	50.0