LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_X\METHOD\82X101218W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.343	26	31	38	rBV	25338	84728	8.45%	1.144%
2	2.611	233	239	248	rBV	77769	139526	13.92%	1.884%
3	4.763	578	592	602	rBV	7533	25776	2.57%	0.348%
4	5.501	700	713	729	rBV2	131547	383113	38.23%	5.172%
5	5.665	729	740	759	rVV	225558	604255	60.30%	8.157%
6	6.068	794	806	820	rBV	145038	379984	37.92%	5.130%
7	6.860	925	936	951	rBV	314793	745151	74.36%	10.059%
8	8.714	1233	1240	1258	rBV	592949	1002115	100.00%	13.528%
9	10.116	1463	1470	1480	rBV	600549	848594	84.68%	11.456%
10	10.664	1547	1560	1564	rBV9	4282	11861	1.18%	0.160%
11	11.018	1614	1618	1622	rBV	9677	12656	1.26%	0.171%
12	11.140	1632	1638	1644	rBV	499984	654332	65.30%	8.833%
13	11.676	1720	1726	1732	rBV6	6043	13256	1.32%	0.179%
14	11.768	1738	1741	1745	rBV	12851	16478	1.64%	0.222%
15	11.920	1758	1766	1768	rBV3	13748	23746	2.37%	0.321%
16	11.945	1768	1770	1774	rVB	13564	17054	1.70%	0.230%
17	12.079	1786	1792	1797	rBV	679882	842932	84.12%	11.379%
18	12.231	1814	1817	1821	rVV	9309	12579	1.26%	0.170%
19	12.274	1821	1824	1826	rVV	10563	14545	1.45%	0.196%
20	12.298	1826	1828	1833	rVV2	26380	32586	3.25%	0.440%
21	12.365	1835	1839	1847	rVB4	21915	38618	3.85%	0.521%
22	12.463	1850	1855	1858	rBV	10716	14847	1.48%	0.200%
23	12.664	1880	1888	1891	rBV4	8007	18514	1.85%	0.250%
24	12.701	1891	1894	1899	rVV2	24800	38207	3.81%	0.516%
25	12.755	1899	1903	1910	rVV3	37051	67691	6.75%	0.914%
26	12.816	1910	1913	1917	rVV	17521	22785	2.27%	0.308%
27	12.896	1917	1926	1931	rVV	42501	75656	7.55%	1.021%
28	12.975	1932	1939	1944	rVV2	39276	72762	7.26%	0.982%
29	13.042	1945	1950	1953	rVV4	10847	19933	1.99%	0.269%
30	13.091	1953	1958	1962	rVB2	19198	31060	3.10%	0.419%
31	13.194	1971	1975	1979	rBV	34850	39641	3.96%	0.535%
32	13.249	1981	1984	1989	rVB	13655	17368	1.73%	0.234%
33	13.304	1989	1993	1996	rBV	15242	20079	2.00%	0.271%
34	13.347	1996	2000	2005	rVB2	37955	52078	5.20%	0.703%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_X\METHOD\82X101218W.M
Title : SW846 8260

35	13.402	2005	2009	2014	rVB4	14166	20914	2.09%	0.282%
36	13.487	2014	2023	2029	rBV7	20805	52641	5.25%	0.711%
37	13.566	2031	2036	2038	rBV4	9342	13530	1.35%	0.183%
38	13.603	2038	2042	2045	rVV2	26922	37899	3.78%	0.512%
39	13.639	2045	2048	2051	rVV3	28531	39007	3.89%	0.527%
40	13.676	2051	2054	2056	rVV2	26543	35805	3.57%	0.483%
41	13.737	2060	2064	2072	rVB5	27292	55303	5.52%	0.747%
42	13.810	2072	2076	2079	rBV	23105	31043	3.10%	0.419%
43	13.853	2079	2083	2088	rVB3	17287	31136	3.11%	0.420%
44	13.914	2088	2093	2098	rBV2	36638	51159	5.11%	0.691%
45	13.987	2098	2105	2109	rBV3	36836	56162	5.60%	0.758%
46	14.030	2109	2112	2116	rBV2	12465	18653	1.86%	0.252%
47	14.127	2124	2128	2131	rBV3	11399	16478	1.64%	0.222%
48	14.164	2131	2134	2138	rVB3	14878	17286	1.72%	0.233%
49	14.267	2148	2151	2158	rVB2	17155	26197	2.61%	0.354%
50	14.377	2165	2169	2173	rVB	27572	35860	3.58%	0.484%
51	14.432	2173	2178	2182	rVV2	23457	30991	3.09%	0.418%
52	14.475	2182	2185	2191	rVB3	12557	19601	1.96%	0.265%
53	14.542	2191	2196	2204	rBV4	26519	54216	5.41%	0.732%
54	14.639	2209	2212	2215	rBV5	6833	11011	1.10%	0.149%
55	14.676	2215	2218	2220	rVV3	14744	21791	2.17%	0.294%
56	14.731	2224	2227	2231	rVV2	21395	30957	3.09%	0.418%
57	14.780	2232	2235	2239	rVV2	10166	15794	1.58%	0.213%
58	14.840	2239	2245	2253	rVV2	74651	132387	13.21%	1.787%
59	14.908	2253	2256	2260	rVB6	9606	14263	1.42%	0.193%
60	15.249	2306	2312	2319	rVB3	18618	37133	3.71%	0.501%
61	15.322	2319	2324	2331	rVB4	9278	16514	1.65%	0.223%
62	15.444	2339	2344	2347	rBV7	5923	10993	1.10%	0.148%
63	15.688	2377	2384	2388	rBV4	9573	20507	2.05%	0.277%
64	15.731	2388	2391	2397	rVB7	5960	10426	1.04%	0.141%
65	15.810	2397	2404	2410	rBV3	7057	16999	1.70%	0.229%
66	15.889	2413	2417	2419	rVV5	8146	13027	1.30%	0.176%
67	15.926	2420	2423	2431	rVB2	9703	17296	1.73%	0.233%

Sum of corrected areas: 7407485

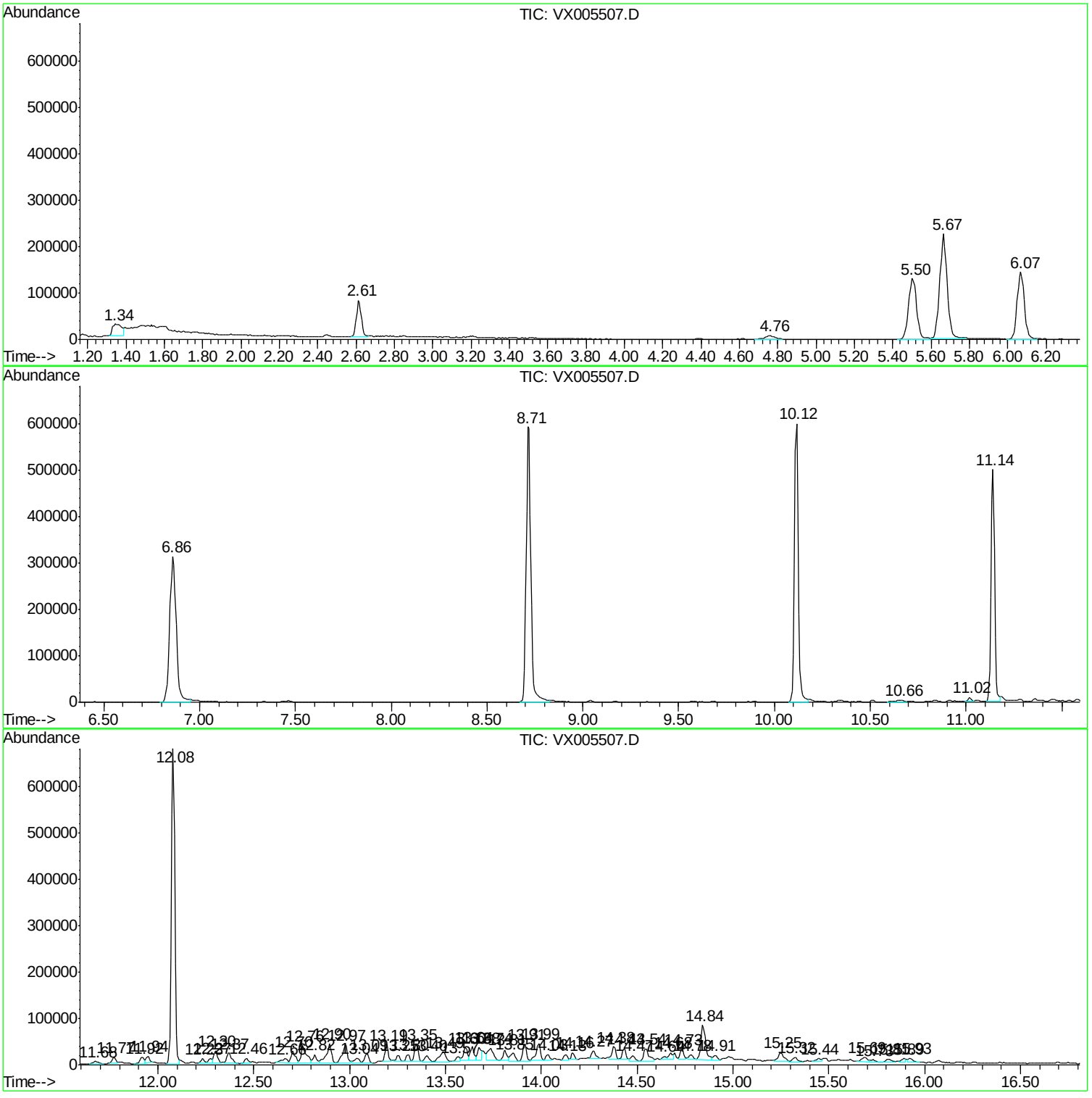
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

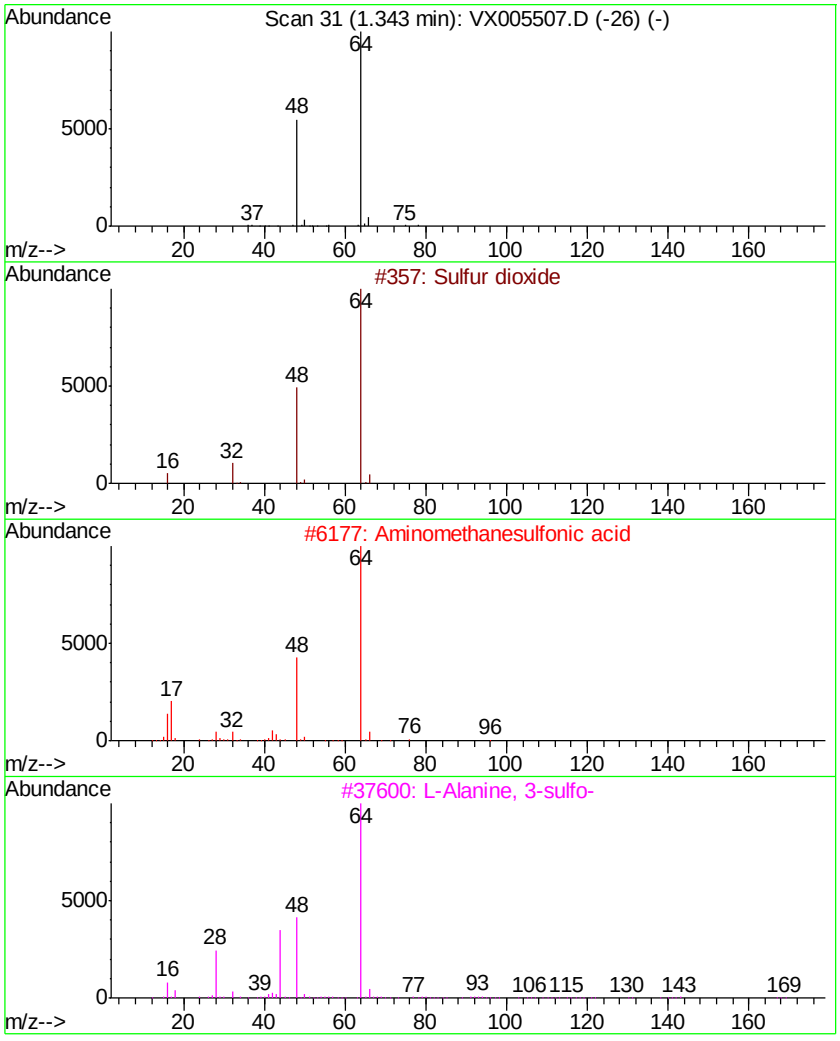
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

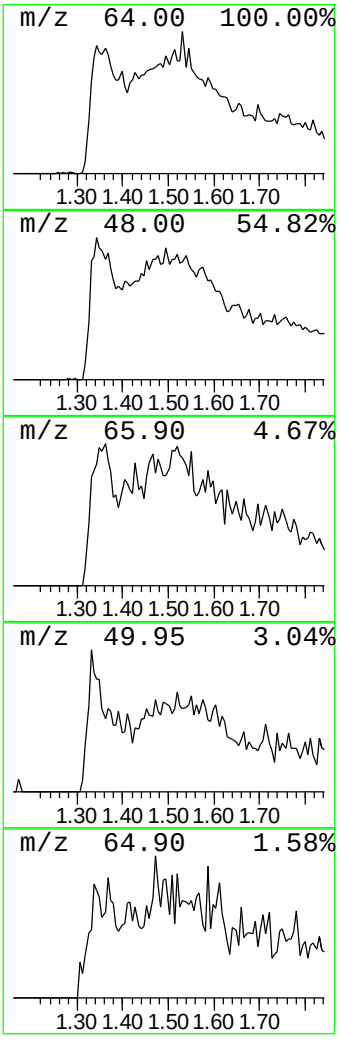
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.34	7.01 ug/l	84728	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

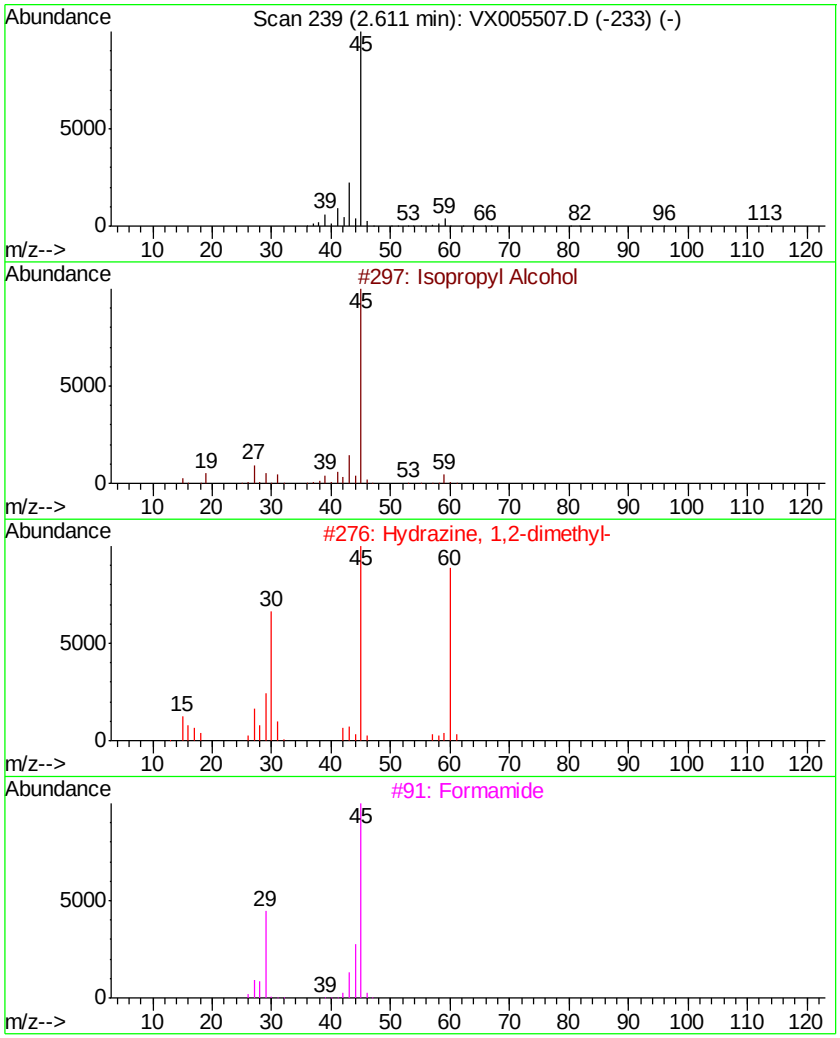
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

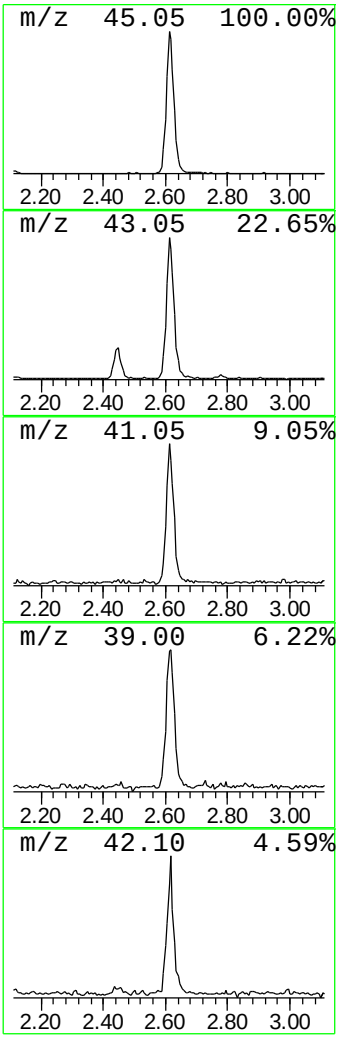
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.61	11.55 ug/l	139526	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Formamide	45	CH3NO	000075-12-7	5
4	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	002155-30-8	4
5	Oxirane, (methoxymethyl)-	88	C4H8O2	000930-37-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

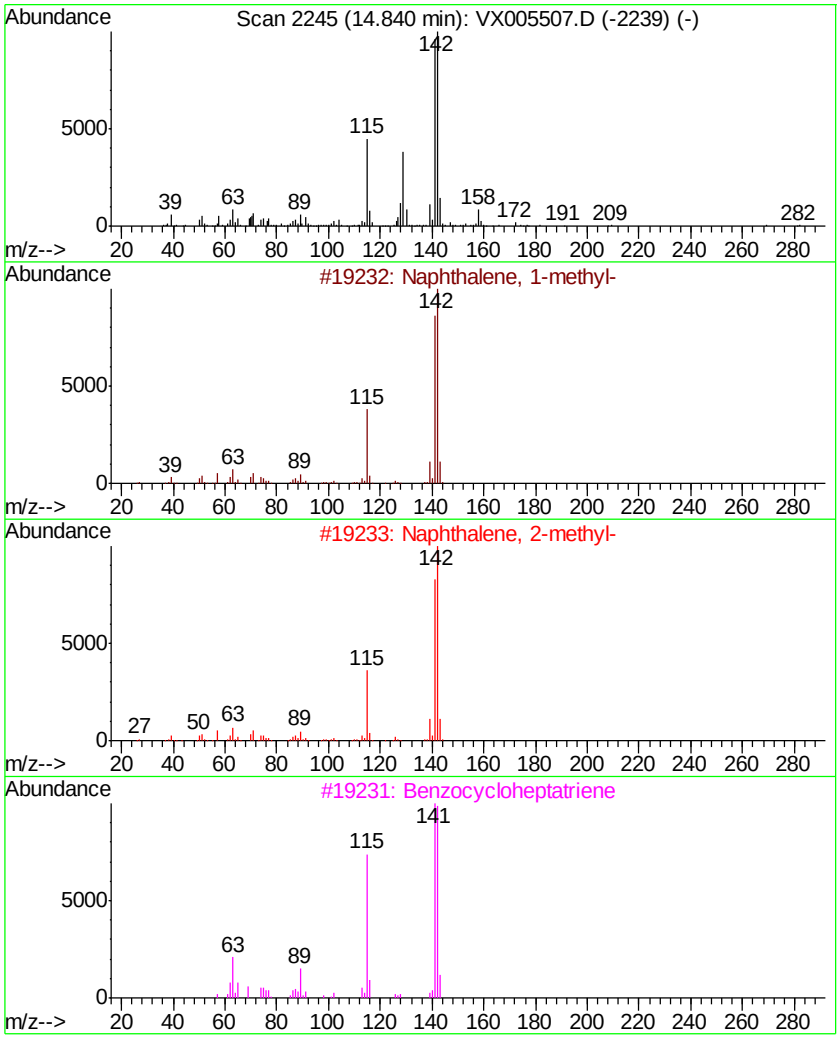
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

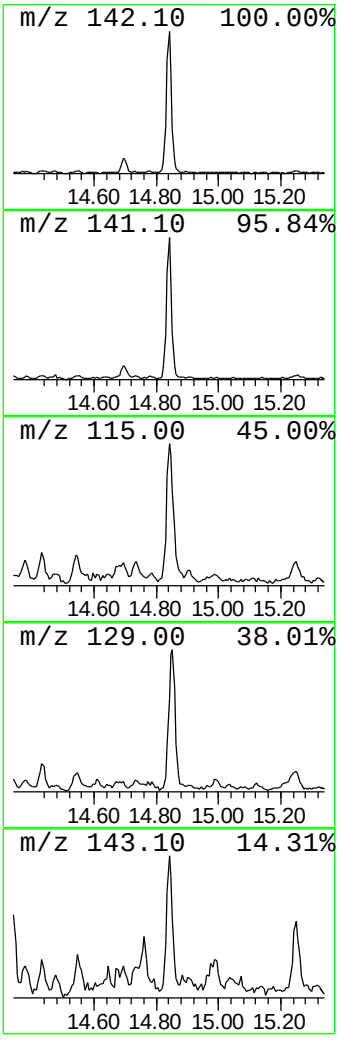
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	7.85 ug/l	132387	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	81
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102218\
Data File : VX005507.D
Acq On : 23 Oct 2018 08:33
Operator : JC/MD
Sample : J5603-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RAV-GT113

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.34	7.0	ug/l	84728	1	5.67	604255	50.0
Isopropyl Alcohol	2.61	11.6	ug/l	139526	1	5.67	604255	50.0
Naphthalene, 1-me...	14.84	7.8	ug/l	132387	4	12.08	842932	50.0