LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

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\82X121818W.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	1.489	51	55	68	rBV	10723755	12593716	100.00%	20.518%
2	2.123	153	159	167	rVB	80294	132830	1.05%	0.216%
3	2.861	273	280	290	rBV2	100542	248793	1.98%	0.405%
4	5.501	699	713	722	rBV	363699	1061684	8.43%	1.730%
5	5.665	730	740	755	rVB	652464	1860910	14.78%	3.032%
6	6.068	795	806	817	rBV	377754	978227	7.77%	1.594%
7	6.860	927	936	947	rBV	957460	2254531	17.90%	3.673%
8	7.464	1024	1035	1045	rVB2	80250	186538	1.48%	0.304%
9	8.714	1234	1240	1247	rBV	2004729	3067659	24.36%	4.998%
10	8.781	1247	1251	1257	rVB	94461	146335	1.16%	0.238%
11	10.110	1464	1469	1479	rBV	2020851	2709017	21.51%	4.414%
12	10.250	1487	1492	1501	rVB	997956	1275427	10.13%	2.078%
13	10.360	1501	1510	1516	rBV	2496863	3523922	27.98%	5.741%
14	10.695	1561	1565	1572	rBV	320023	421111	3.34%	0.686%
15	11.134	1632	1637	1649	rVB	1753350	2268721	18.01%	3.696%
16	11.359	1669	1674	1680	rBV	330995	409575	3.25%	0.667%
17	11.433	1680	1686	1688	rBV	703582	962189	7.64%	1.568%
18	11.506	1694	1698	1706	rVB	767950	916037	7.27%	1.492%
19	11.664	1719	1724	1733	rVB	629837	792849	6.30%	1.292%
20	11.804	1742	1747	1753	rBV	2950343	3521682	27.96%	5.738%
21	12.079	1786	1792	1797	rBV	2230074	2812890	22.34%	4.583%
22	12.140	1797	1802	1807	rVB	1051892	1262129	10.02%	2.056%
23	12.298	1820	1828	1835	rBV2	1343912	1852673	14.71%	3.018%
24	12.371	1835	1840	1847	rVV2	468802	659896	5.24%	1.075%
25	12.518	1860	1864	1870	rVB	112336	129537	1.03%	0.211%
26	12.585	1870	1875	1877	rBV	290255	355139	2.82%	0.579%
27	12.609	1877	1879	1884	rVV	211686	225649	1.79%	0.368%
28	12.670	1884	1889	1892	rVV	546117	710752	5.64%	1.158%
29	12.701	1892	1894	1898	rVB	190097	192690	1.53%	0.314%
30	12.756	1898	1903	1911	rBV	562777	759207	6.03%	1.237%
31	12.902	1922	1927	1932	rVB2	135574	171774	1.36%	0.280%
32	12.975	1932	1939	1942	rBV	393090	470860	3.74%	0.767%
33	13.018	1942	1946	1952	rVB	438596	516897	4.10%	0.842%
34	13.097	1952	1959	1962	rBV3	60174	132983	1.06%	0.217%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

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\82X121818W.M
Title : SW846 8260

35	13.225	1976	1980	1984	rVB	580190	682077	5.42%	1.111%
36	13.347	1996	2000	2005	rVB2	1144241	1463173	11.62%	2.384%
37	13.481	2017	2022	2029	rVB	248048	330495	2.62%	0.538%
38	13.597	2038	2041	2045	rVV	162394	235293	1.87%	0.383%
39	13.640	2045	2048	2054	rVV2	158374	283453	2.25%	0.462%
40	13.719	2058	2061	2067	rVB2	156713	236226	1.88%	0.385%
41	13.835	2074	2080	2087	rVB	2020420	2538394	20.16%	4.136%
42	13.938	2089	2097	2102	rBV	3672636	4639375	36.84%	7.559%
43	14.133	2125	2129	2136	rVB	112182	141887	1.13%	0.231%
44	14.267	2148	2151	2162	rVB2	96749	199722	1.59%	0.325%
45	14.694	2217	2221	2231	rVB	566935	738427	5.86%	1.203%
46	14.841	2238	2245	2254	rVB2	198432	305145	2.42%	0.497%

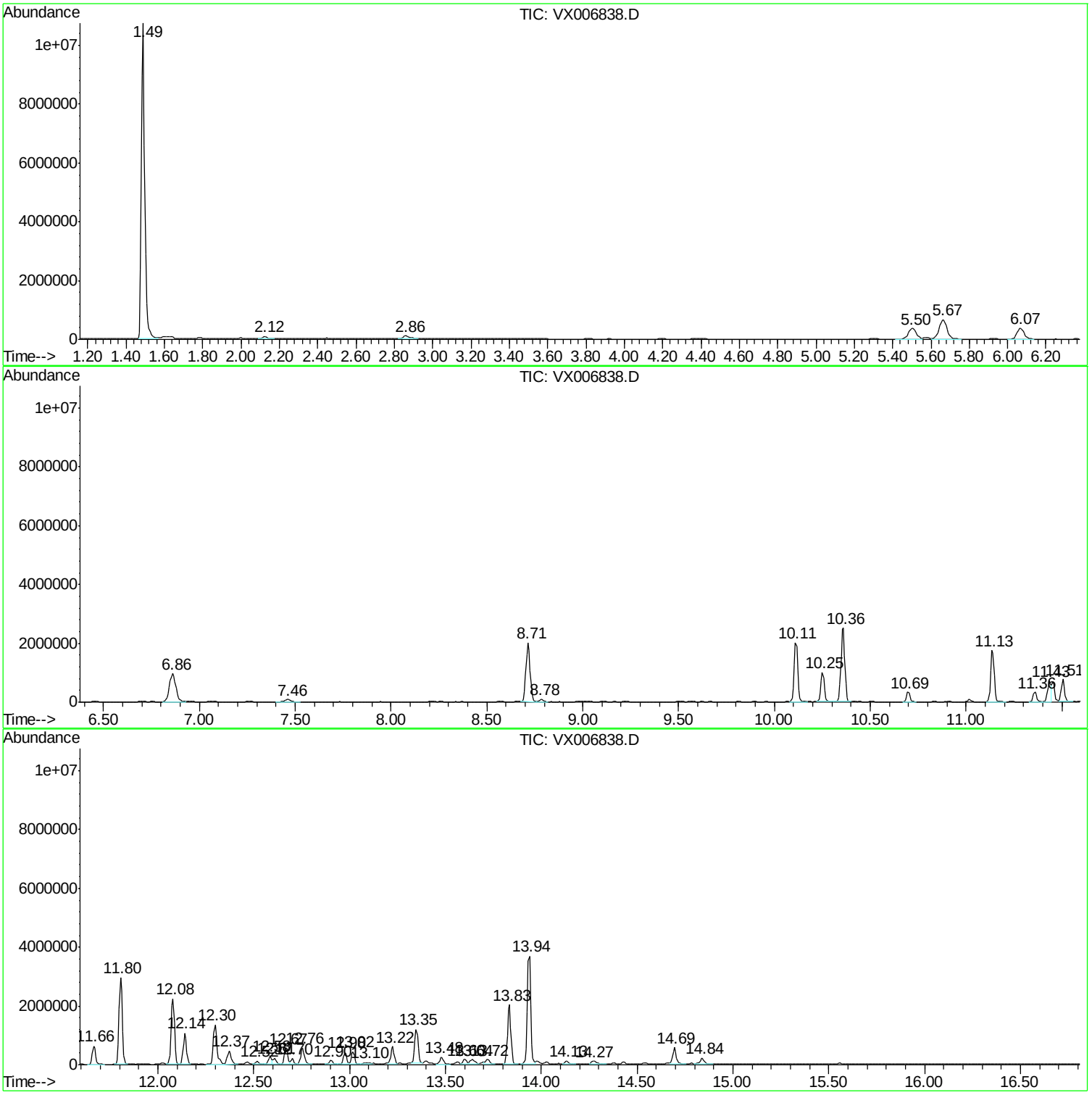
Sum of corrected areas: 61378496

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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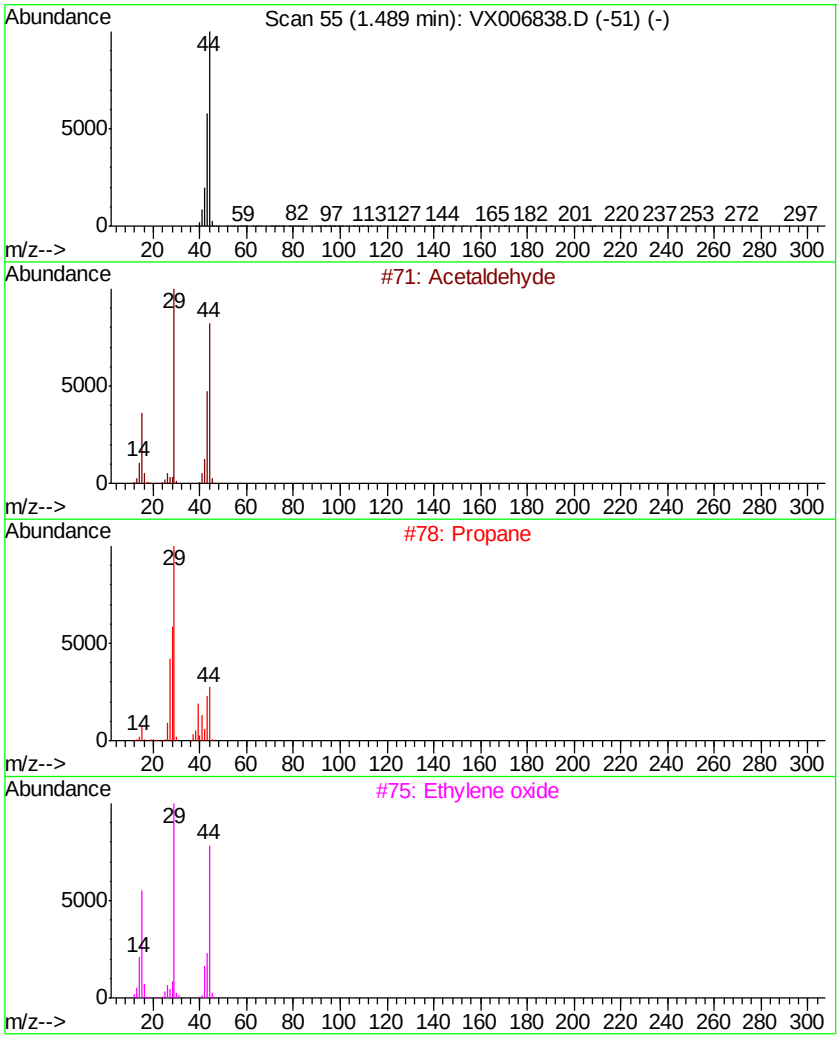
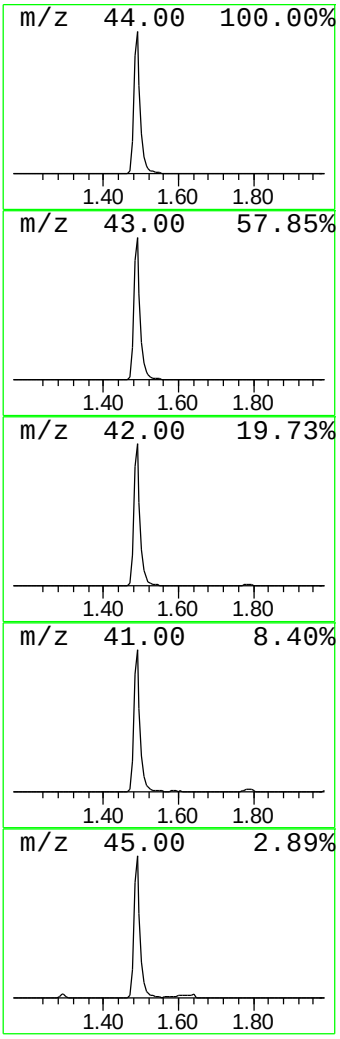
Peak Number 1 Acetaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	338.38 ug/l	12593700	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Propane	44	C3H8	000074-98-6	5
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Alanine	89	C3H7NO2	000056-41-7	4
5	Ethyne, fluoro-	44	C2HF	002713-09-9	3





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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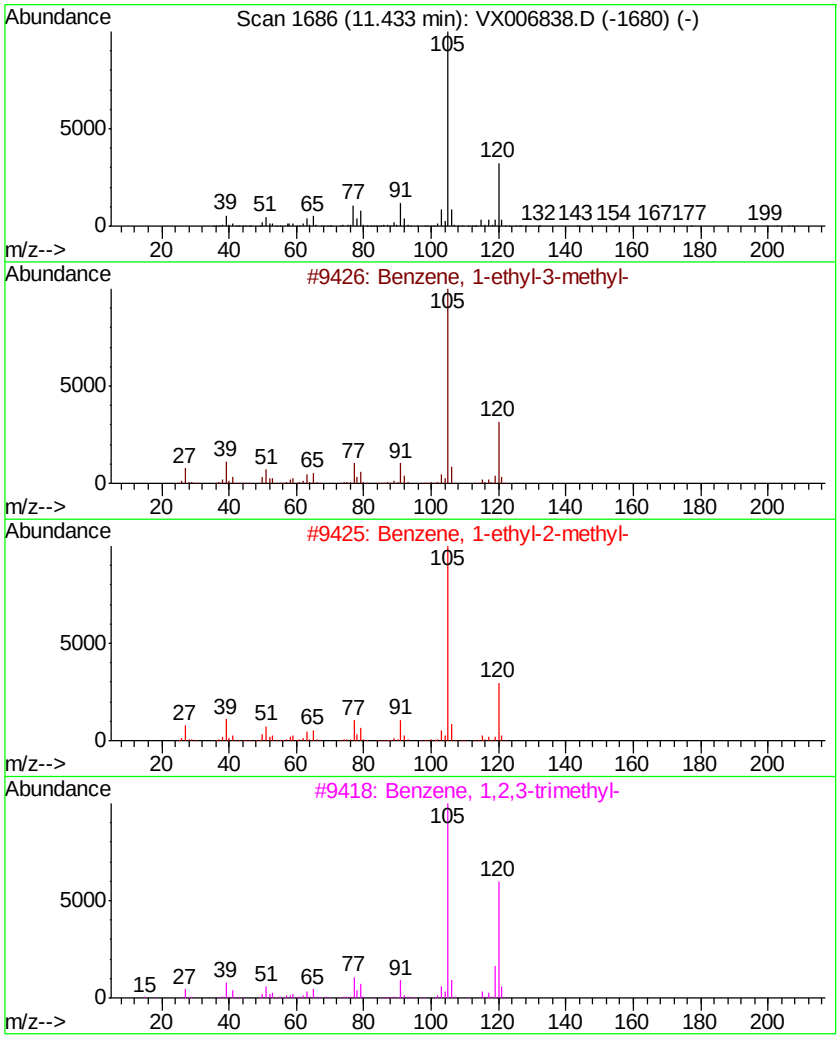
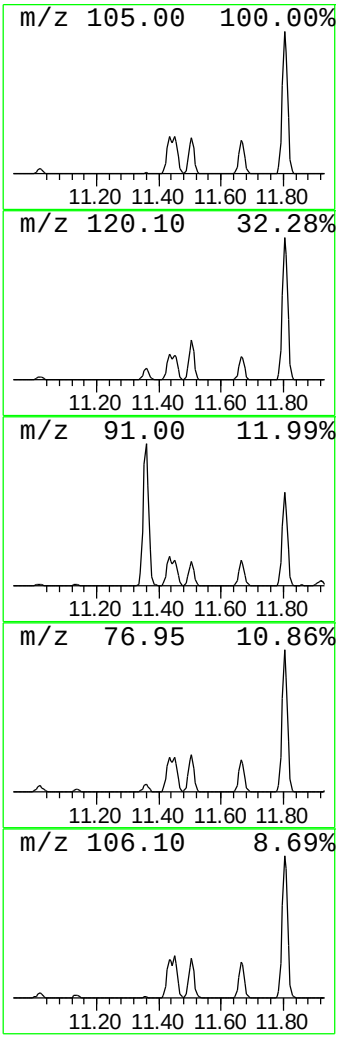
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	17.10 ug/l	962189	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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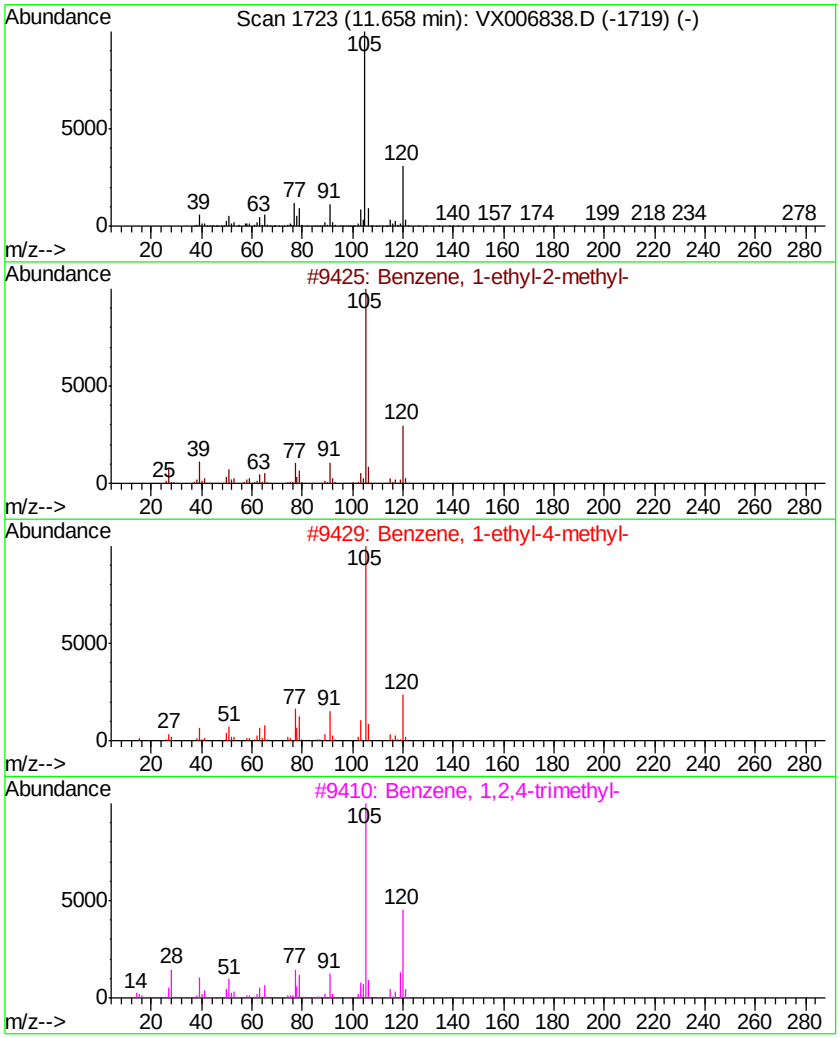
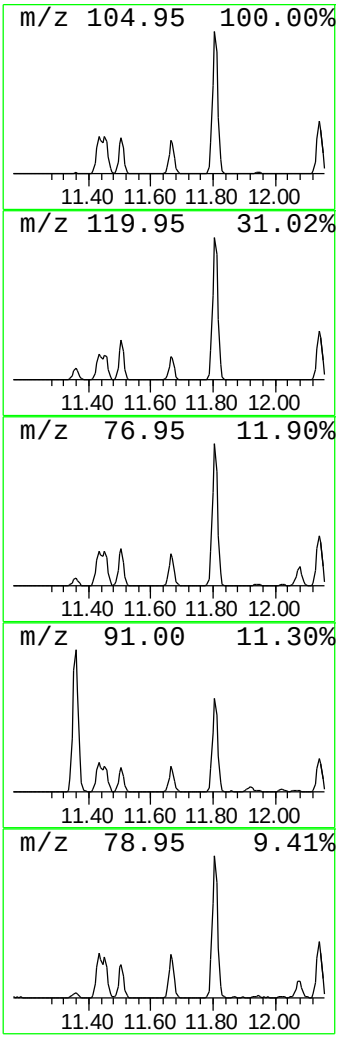
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	14.09 ug/l	792849	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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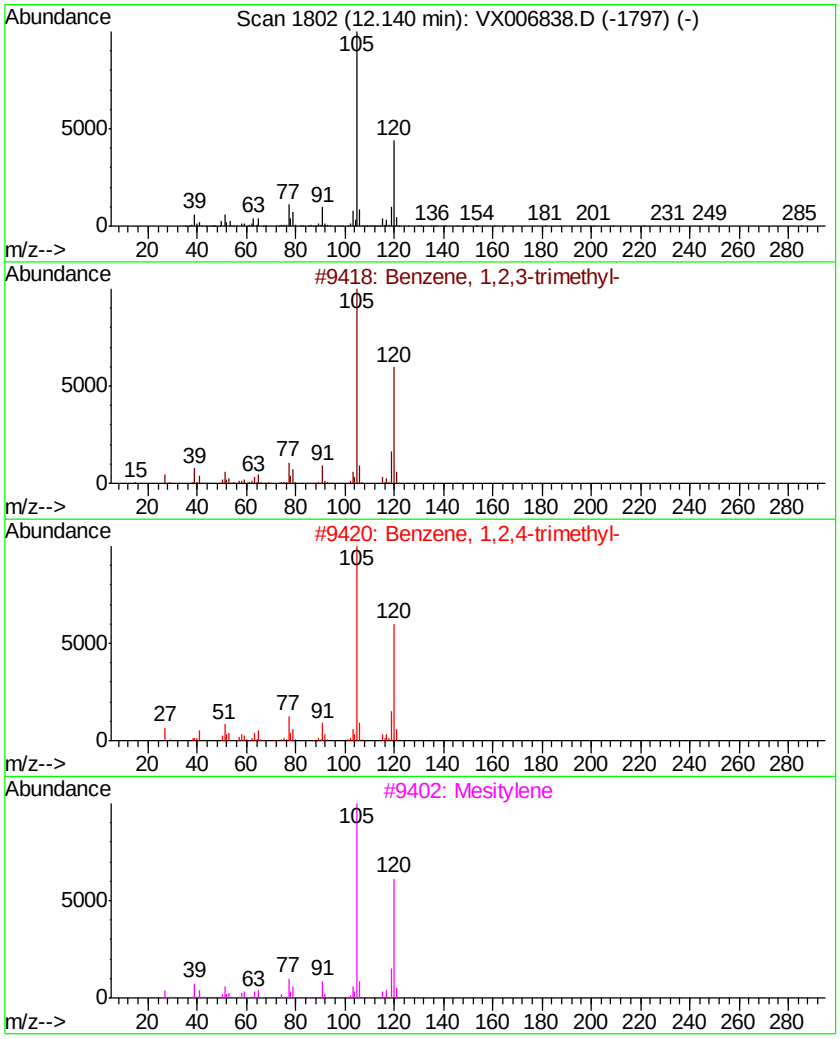
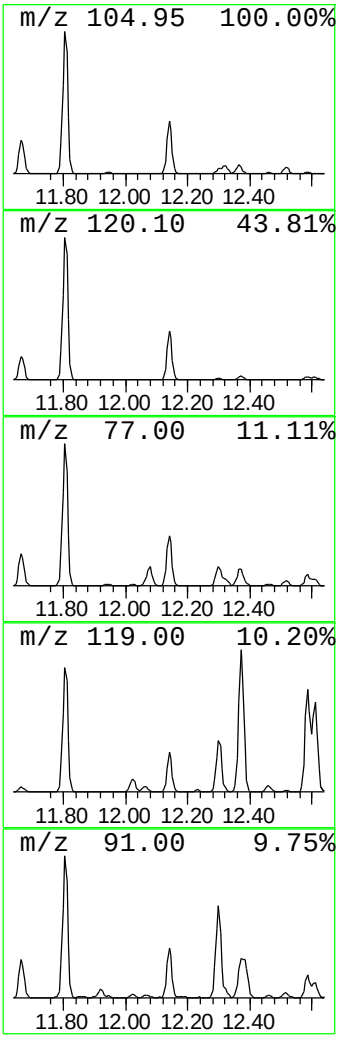
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	22.43 ug/l	1262130	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

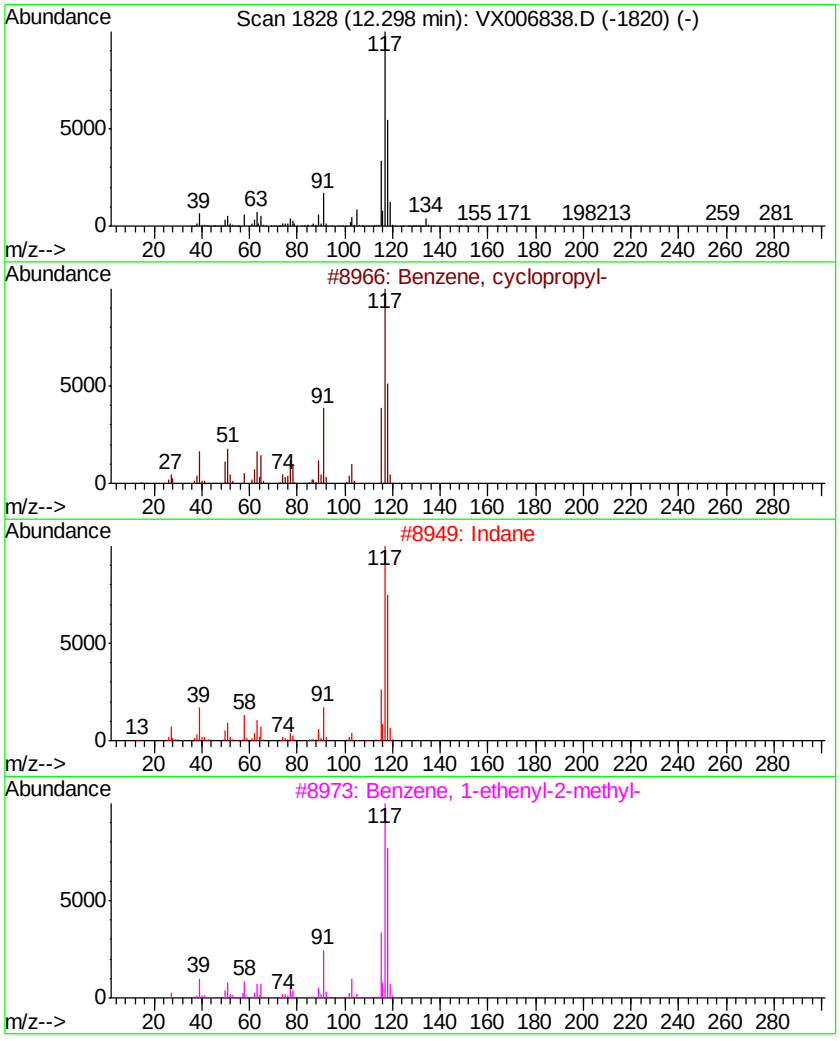
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

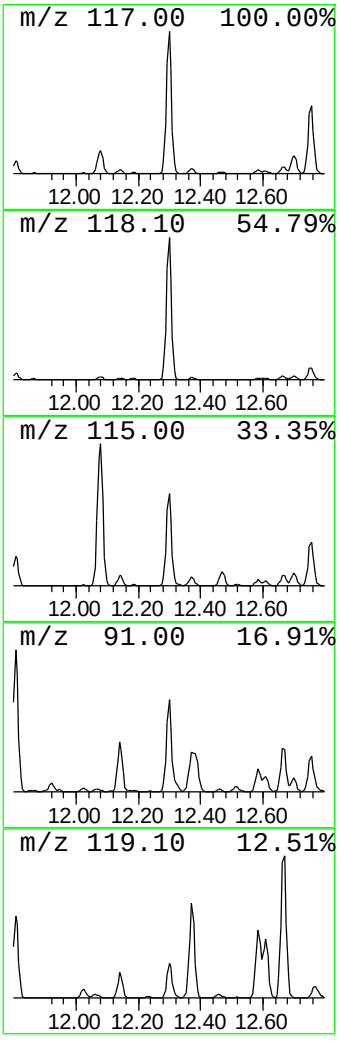
****

Peak Number 5 Benzene, cyclopropyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	32.93 ug/l	1852670	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Deltacyclene	118	C9H10	007785-10-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

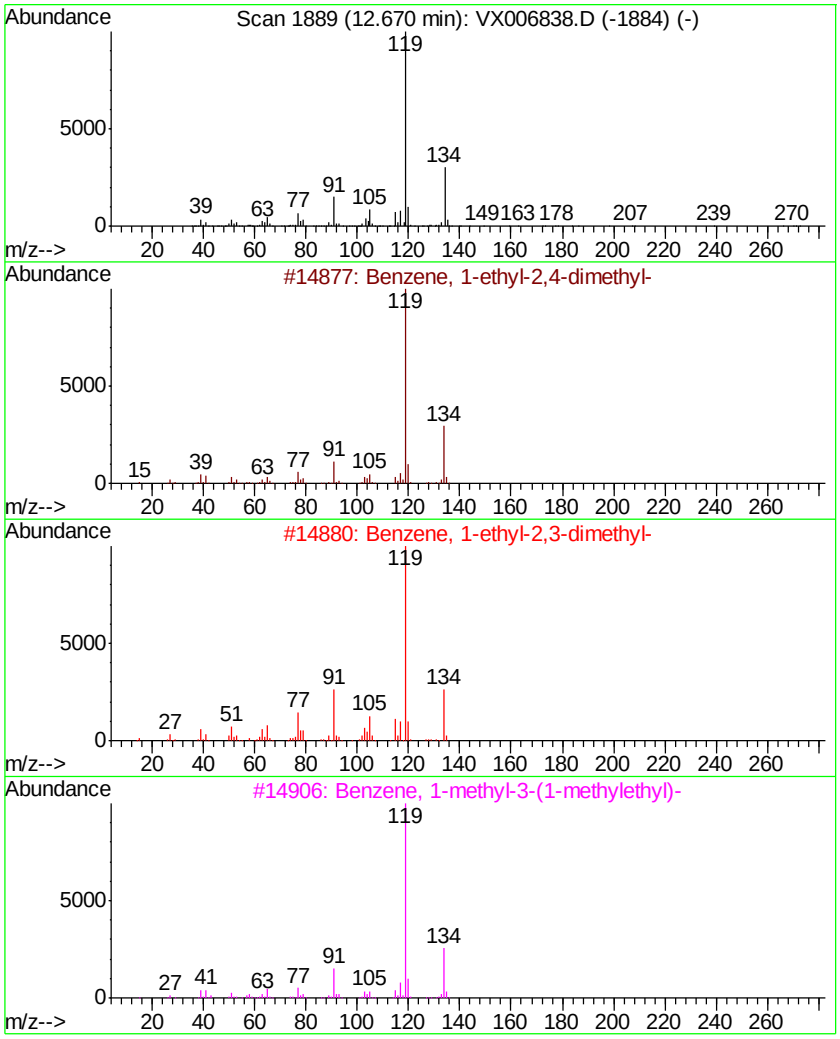
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

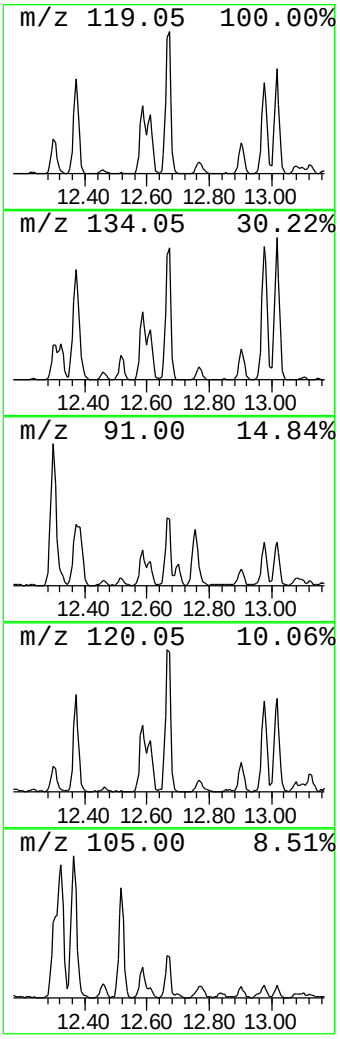
****

Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	12.63 ug/l	710752	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

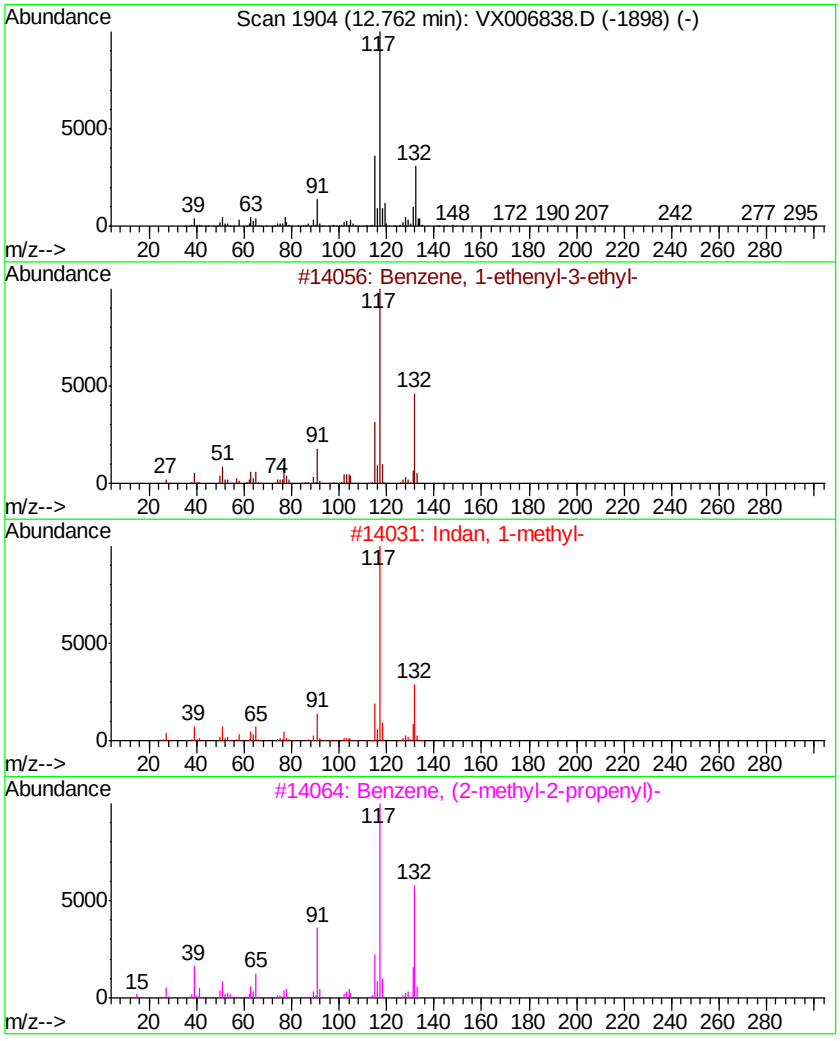
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

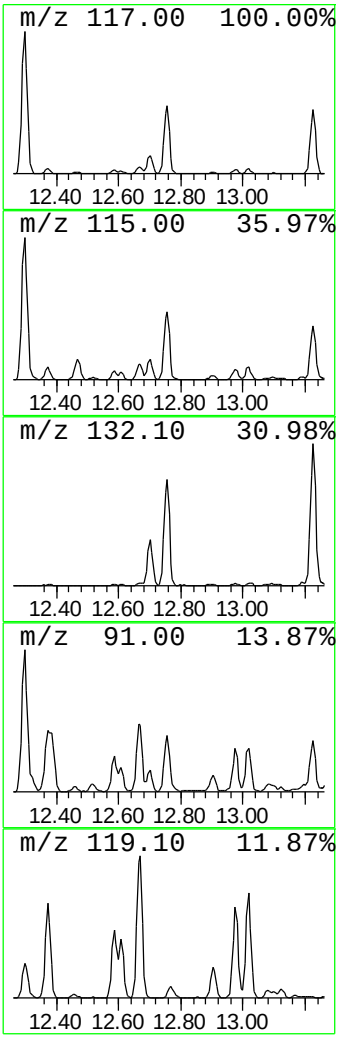
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	13.50 ug/l	759207	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

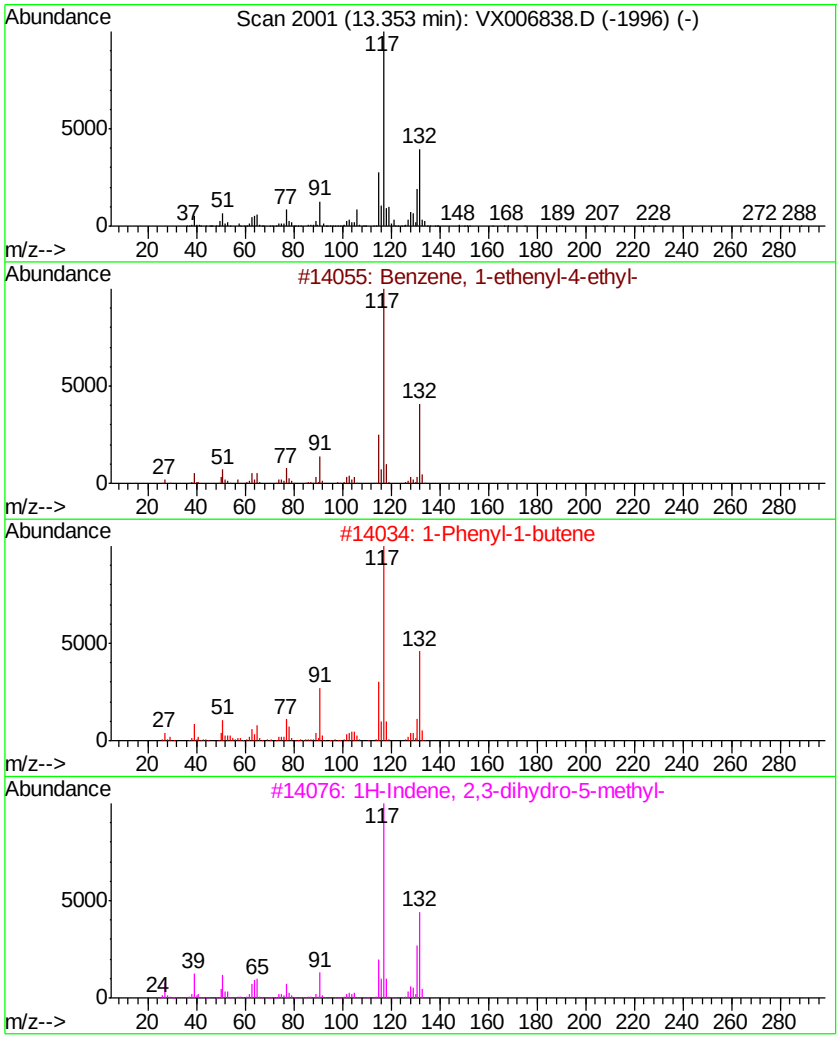
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

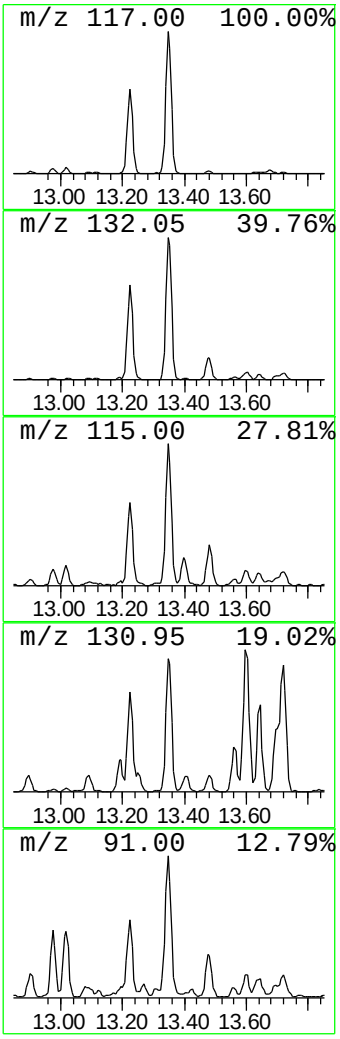
****

Peak Number 8 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	26.01 ug/l	1463170	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





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Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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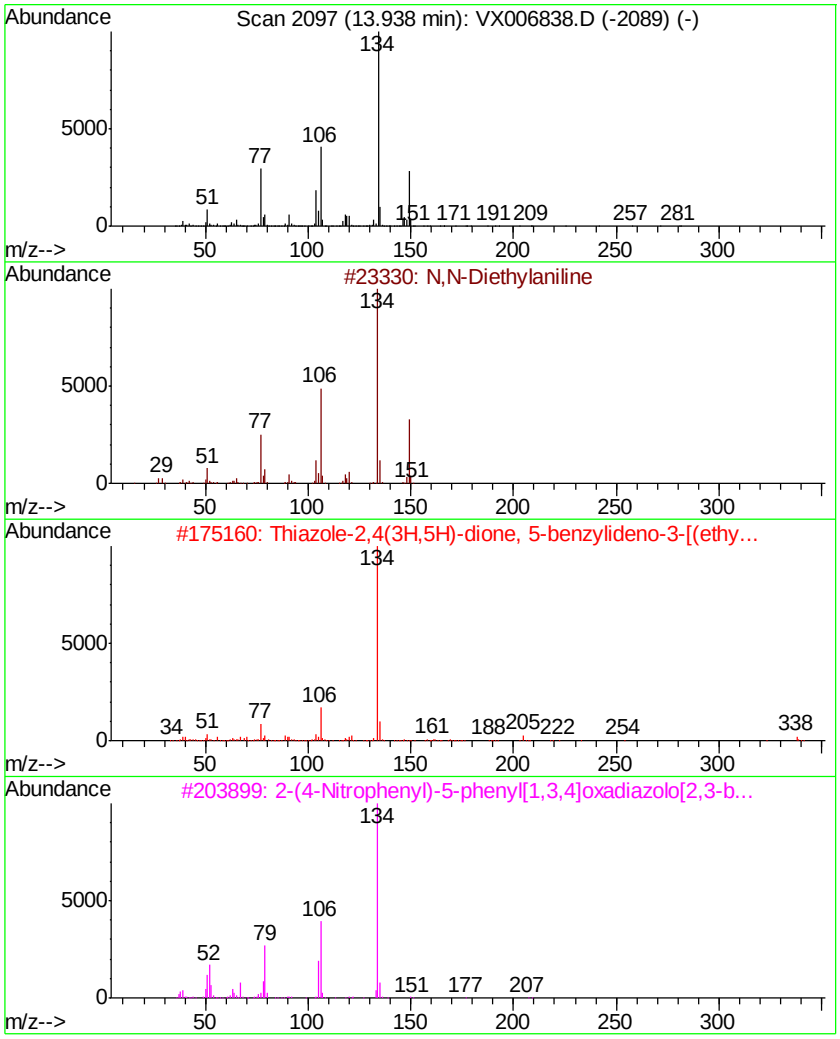
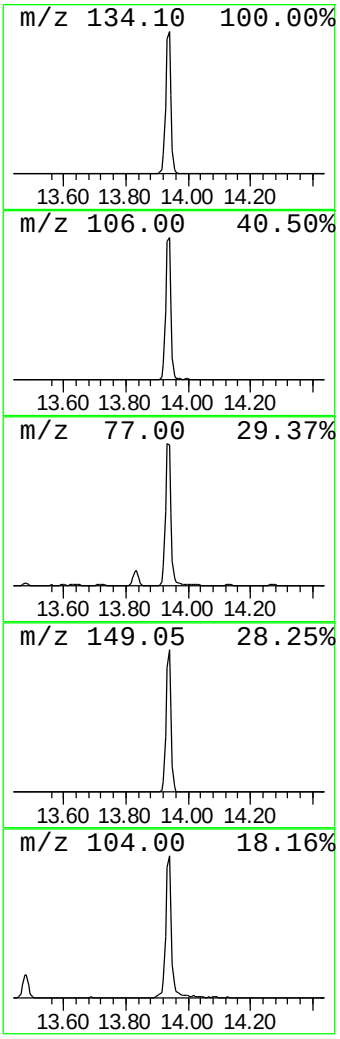
Peak Number 9 N,N-Diethylaniline Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	82.47 ug/l	4639380	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Diethylaniline	149	C10H15N	000091-66-7	93
2	Thiazole-2,4(3H,5H)-dione, 5-ben...	338	C19H18N2O2S	1000259-00-0	50
3	2-(4-Nitrophenyl)-5-phenyl[1,3,4...	383	C21H13N5O3	1000223-27-2	50
4	2-Isopropyl-6-methylaniline	149	C10H15N	005266-85-3	49
5	4-t-Butylbenzeneamine	149	C10H15N	000769-92-6	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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

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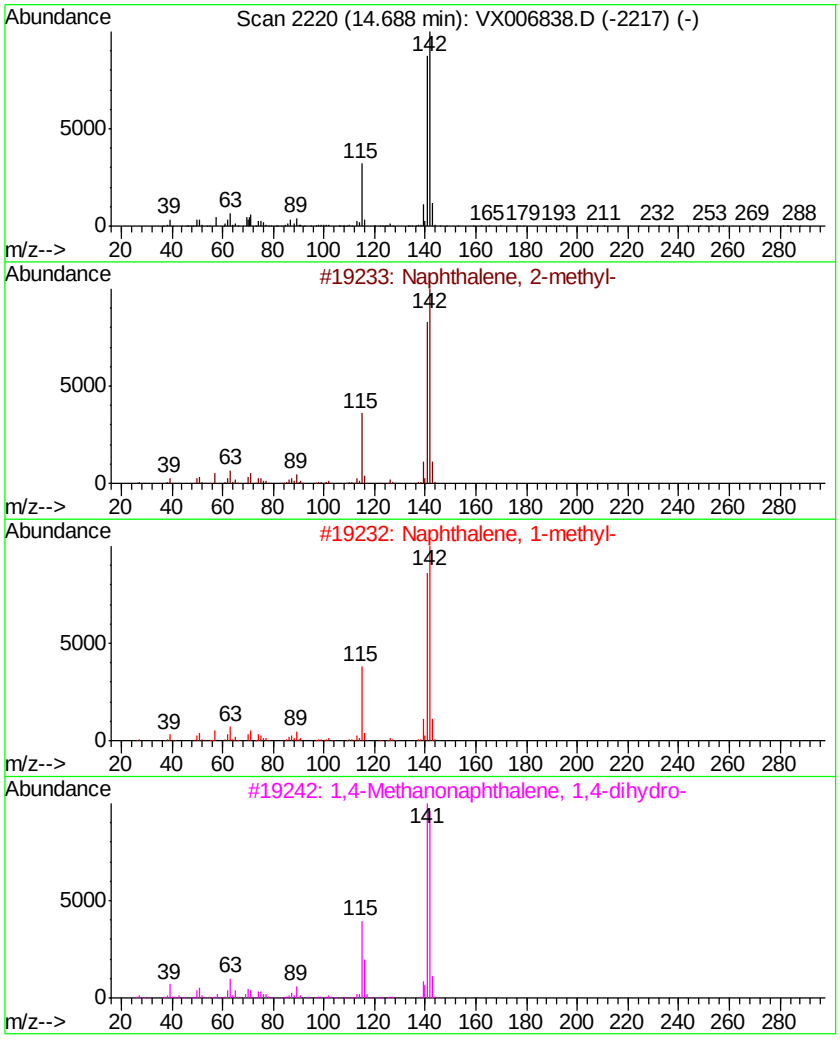
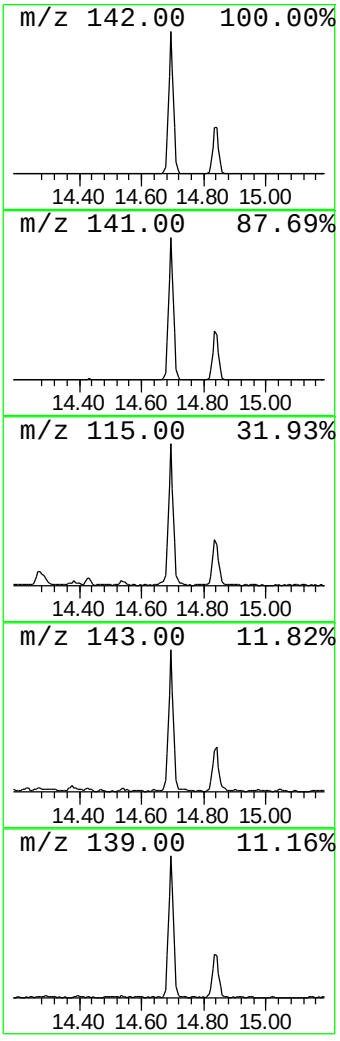
Peak Number 10 Naphthalene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	13.13 ug/l	738427	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122718\
Data File : VX006838.D
Acq On : 27 Dec 2018 13:22
Operator : JC/MD
Sample : J6571-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50084-50085-50086

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.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
Acetaldehyde	1.49	338.4	ug/l	12593700	1	5.67	1860910	50.0
Benzene, 1-ethyl-...	11.43	17.1	ug/l	962189	4	12.08	2812890	50.0
Benzene, 1-ethyl-...	11.66	14.1	ug/l	792849	4	12.08	2812890	50.0
Benzene, 1,2,3-tr...	12.14	22.4	ug/l	1262130	4	12.08	2812890	50.0
Benzene, cyclopro...	12.30	32.9	ug/l	1852670	4	12.08	2812890	50.0
Benzene, 1-ethyl-...	12.67	12.6	ug/l	710752	4	12.08	2812890	50.0
Benzene, 1-etheny...	12.76	13.5	ug/l	759207	4	12.08	2812890	50.0
Benzene, 1-etheny...	13.35	26.0	ug/l	1463170	4	12.08	2812890	50.0
N,N-Diethylaniline	13.94	82.5	ug/l	4639380	4	12.08	2812890	50.0
Naphthalene, 2-me...	14.69	13.1	ug/l	738427	4	12.08	2812890	50.0