LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
Data File : VW013362.D
Acq On : 01 Oct 2019 05:33
Operator : SY/VA
Sample : K4659-04
Misc : 6.45G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

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_W\METHOD\82W092019S.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	1.953	4	8	20	rVB4	19029	45637	2.82%	0.433%
2	2.154	34	41	57	rBV2	52900	140400	8.68%	1.331%
3	4.903	483	492	504	rBV4	5370	16711	1.03%	0.158%
4	7.885	967	981	985	rBV	215558	513243	31.72%	4.866%
5	7.946	985	991	1001	rVB	431870	959573	59.31%	9.098%
6	8.299	1041	1049	1061	rBV	196397	435844	26.94%	4.132%
7	8.836	1128	1137	1152	rBV	623461	1221934	75.53%	11.585%
8	10.323	1372	1381	1403	rBV	914811	1617915	100.00%	15.339%
9	10.707	1435	1444	1452	rBV	27343	48829	3.02%	0.463%
10	11.628	1587	1595	1605	rBV	731342	1240150	76.65%	11.758%
11	12.615	1747	1757	1770	rBV	559307	893491	55.22%	8.471%
12	13.554	1905	1911	1920	rBV	578119	941899	58.22%	8.930%
13	13.749	1939	1943	1946	rBV3	13867	20325	1.26%	0.193%
14	13.792	1946	1950	1959	rVB2	20343	40396	2.50%	0.383%
15	13.871	1959	1963	1970	rBV3	17145	27675	1.71%	0.262%
16	13.944	1970	1975	1980	rBV2	11120	18022	1.11%	0.171%
17	14.042	1988	1991	1993	rVV2	13347	20425	1.26%	0.194%
18	14.072	1993	1996	1997	rVV	18896	25041	1.55%	0.237%
19	14.097	1997	2000	2004	rVB	25926	36905	2.28%	0.350%
20	14.207	2013	2018	2023	rVB2	34900	53929	3.33%	0.511%
21	14.335	2034	2039	2044	rVV3	14474	26003	1.61%	0.247%
22	14.389	2044	2048	2050	rVV5	11278	20322	1.26%	0.193%
23	14.420	2050	2053	2056	rVV2	17710	29679	1.83%	0.281%
24	14.457	2056	2059	2062	rVV	28983	38670	2.39%	0.367%
25	14.499	2062	2066	2069	rVV3	22903	34270	2.12%	0.325%
26	14.542	2069	2073	2080	rVB5	16720	31172	1.93%	0.296%
27	14.639	2085	2089	2093	rVB2	21092	30651	1.89%	0.291%
28	14.688	2093	2097	2100	rBV2	34116	64071	3.96%	0.607%
29	14.725	2100	2103	2108	rVB2	52131	78763	4.87%	0.747%
30	14.810	2108	2117	2122	rBV3	105449	247209	15.28%	2.344%
31	14.853	2122	2124	2130	rVB2	21034	34982	2.16%	0.332%
32	14.956	2136	2141	2147	rVB2	68446	113196	7.00%	1.073%
33	15.060	2154	2158	2162	rBV2	38188	64456	3.98%	0.611%
34	15.176	2170	2177	2185	rVB4	55972	148146	9.16%	1.405%

LSC Area Percent Report

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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

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_W\METHOD\82W092019S.M
Title : SW846 8260

35	15.249	2185	2189	2195	rVB7	11829	22623	1.40%	0.214%
36	15.328	2197	2202	2210	rBV10	21126	47258	2.92%	0.448%
37	15.420	2212	2217	2222	rBV2	53026	100140	6.19%	0.949%
38	15.554	2236	2239	2248	rVB3	48337	90411	5.59%	0.857%
39	15.658	2248	2256	2262	rBV4	50646	121320	7.50%	1.150%
40	15.731	2264	2268	2272	rVV7	11166	16875	1.04%	0.160%
41	15.828	2274	2284	2285	rBV4	37452	85599	5.29%	0.812%
42	15.859	2285	2289	2299	rVB2	109327	219432	13.56%	2.080%
43	15.950	2300	2304	2308	rBV5	14401	25298	1.56%	0.240%
44	16.029	2311	2317	2323	rVB3	26749	63912	3.95%	0.606%
45	16.182	2332	2342	2348	rBV2	66881	173547	10.73%	1.645%
46	16.377	2365	2374	2380	rBV3	64216	148314	9.17%	1.406%
47	16.438	2380	2384	2389	rVV3	23014	51326	3.17%	0.487%
48	16.493	2389	2393	2399	rVB3	22639	42782	2.64%	0.406%
49	16.651	2411	2419	2425	rBV3	19292	58838	3.64%	0.558%

Sum of corrected areas: 10547609

LSC Report - Integrated Chromatogram

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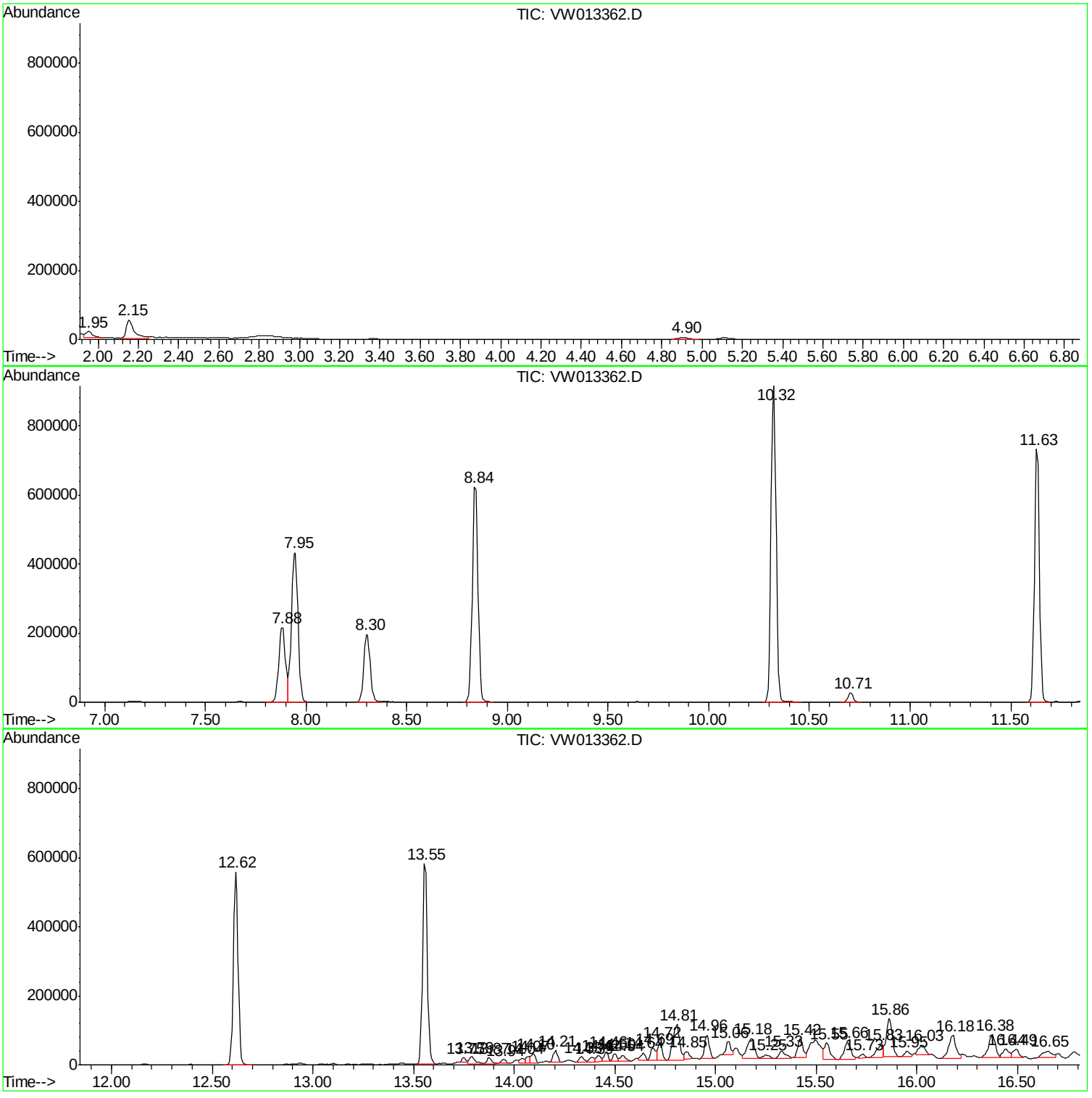
Sample : K4659-04
Misc : 6.45G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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 W\DATA\VW093019\
Data File : VW013362.D
Acq On : 01 Oct 2019 05:33
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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

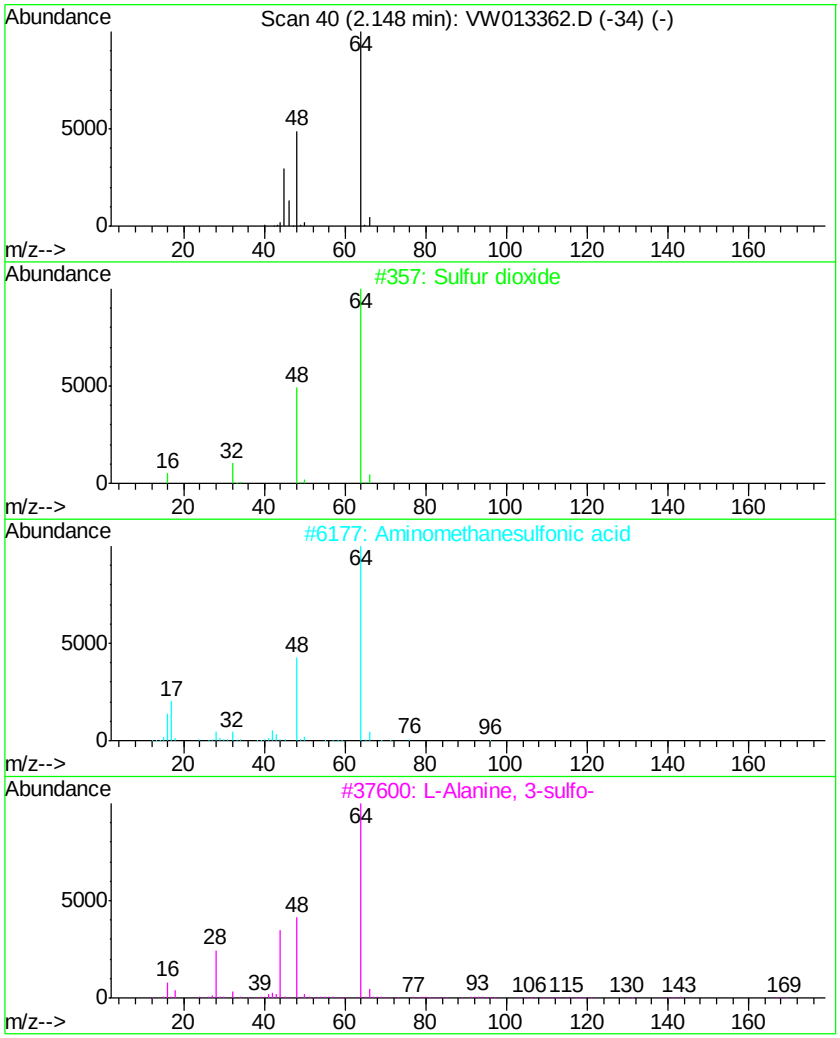
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

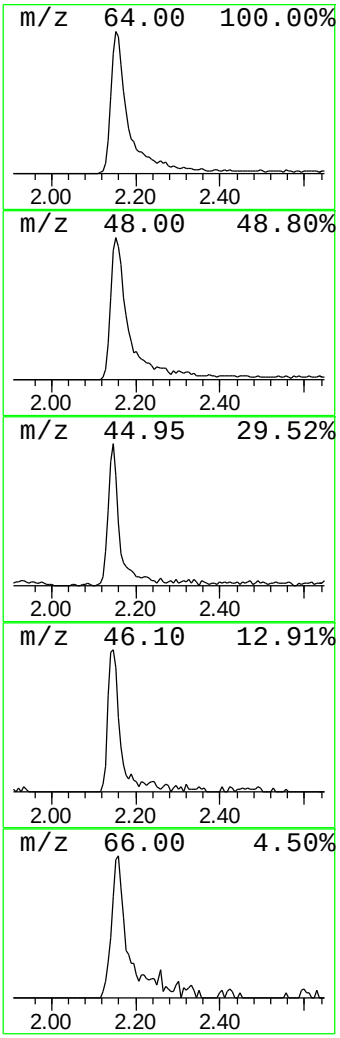
****

Peak Number 1 Sulfur dioxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	7.32 ug/l	140400	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	86
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7
5	Ethanol, 2-fluoro-	64	C2H5FO	000371-62-0	3





Library Search Compound Report

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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

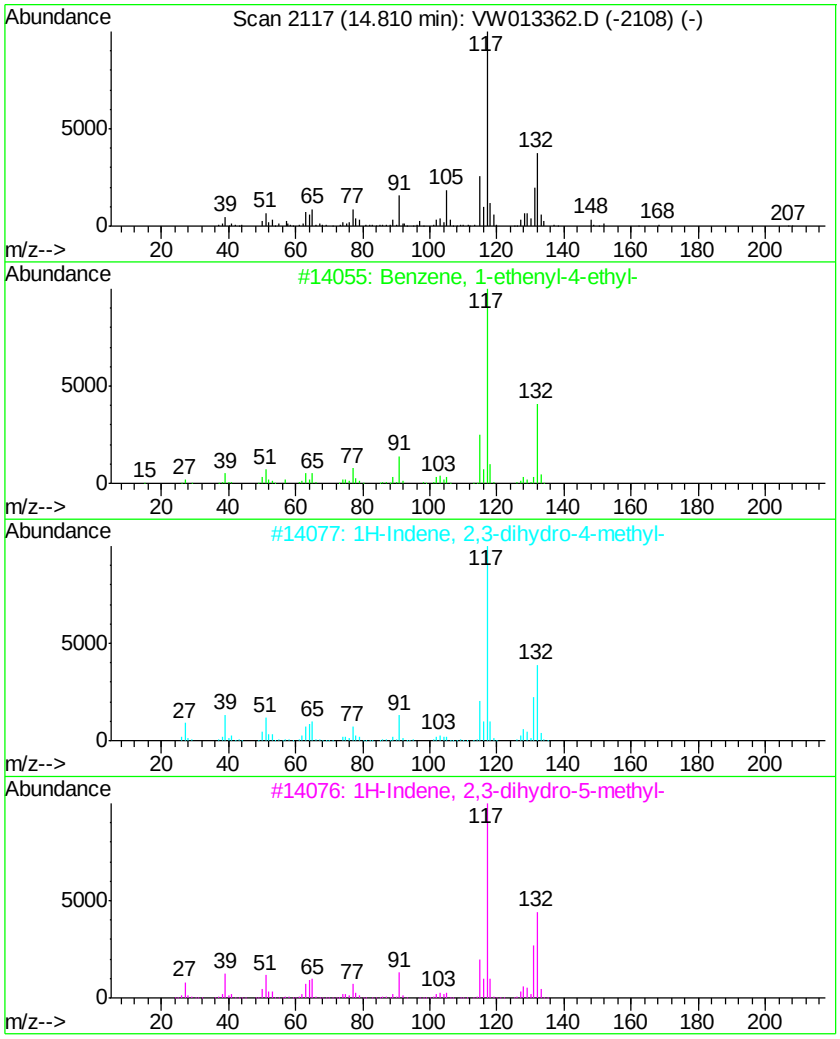
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

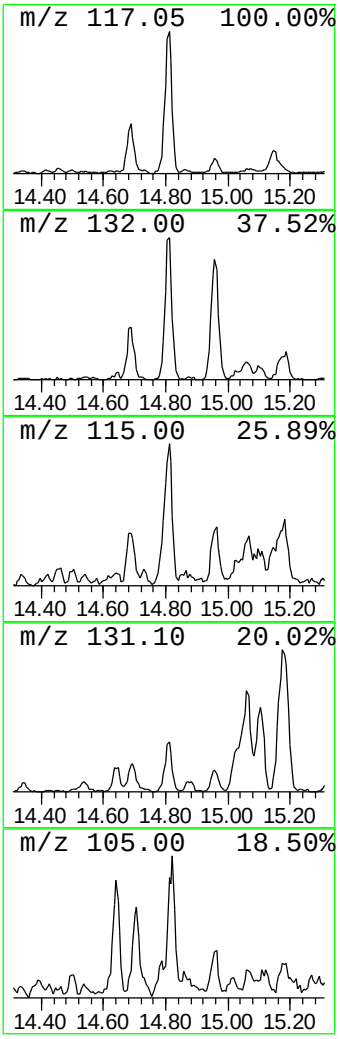
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	13.12 ug/l	247209	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
Data File : VW013362.D
Acq On : 01 Oct 2019 05:33
Operator : SY/VA
Sample : K4659-04
Misc : 6.45G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

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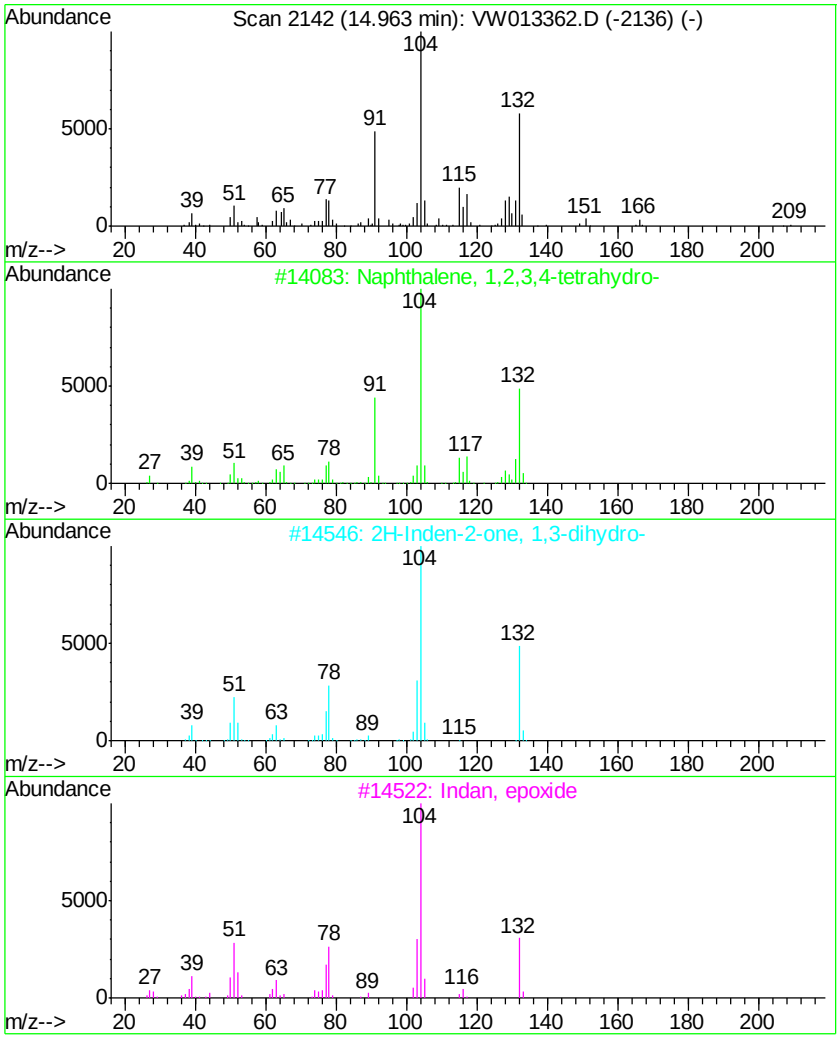
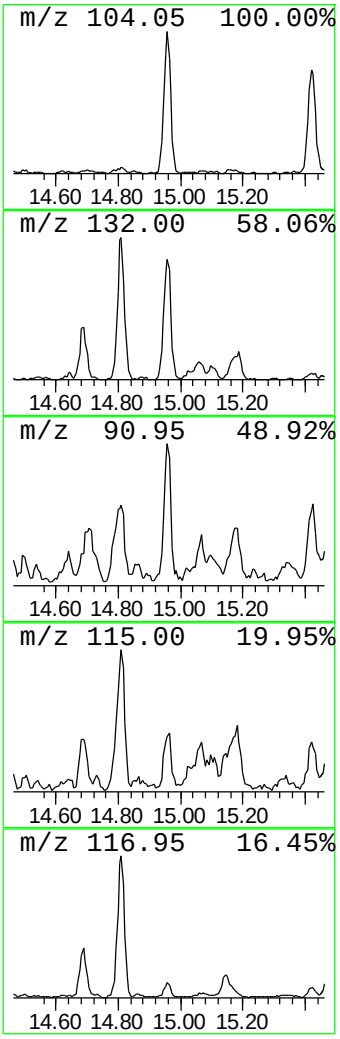
Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.01 ug/l	113196	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
3	Indan, epoxide	132	C9H8O	000768-22-9	52
4	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	38
5	2-Propenoic acid, 2-phenylethyl ...	176	C11H12O2	003530-36-7	35





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

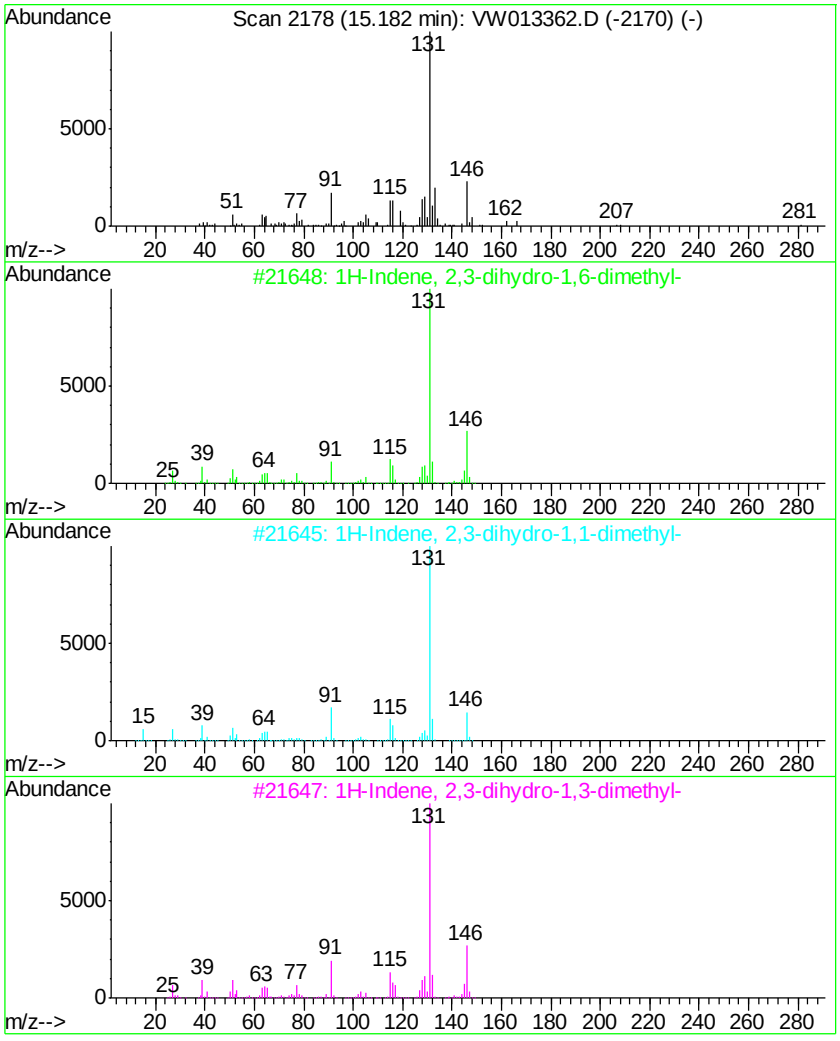
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

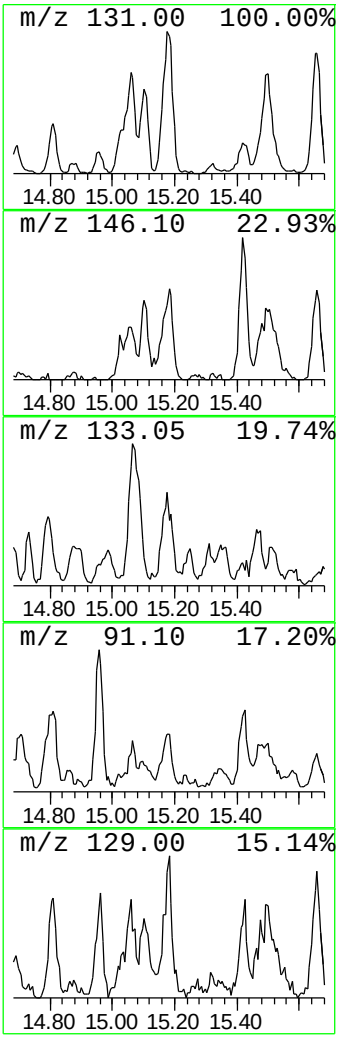
****

Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	7.86 ug/l	148146	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64





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Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
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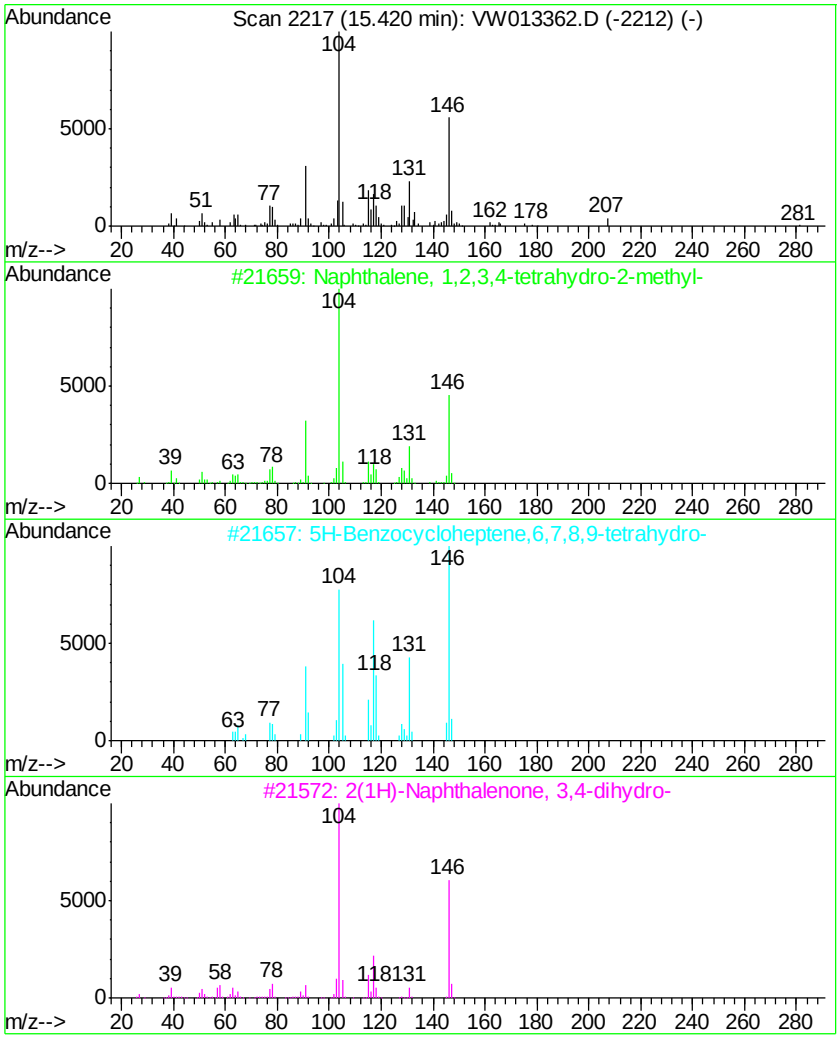
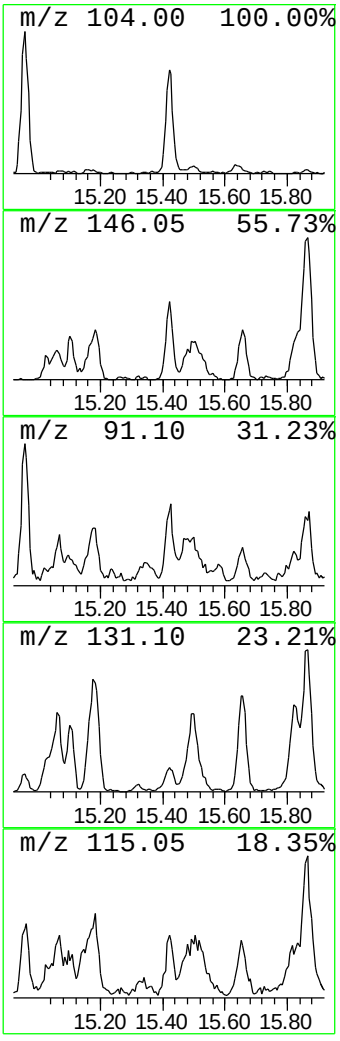
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.32 ug/l	100140	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	74
3	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
4	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	55





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

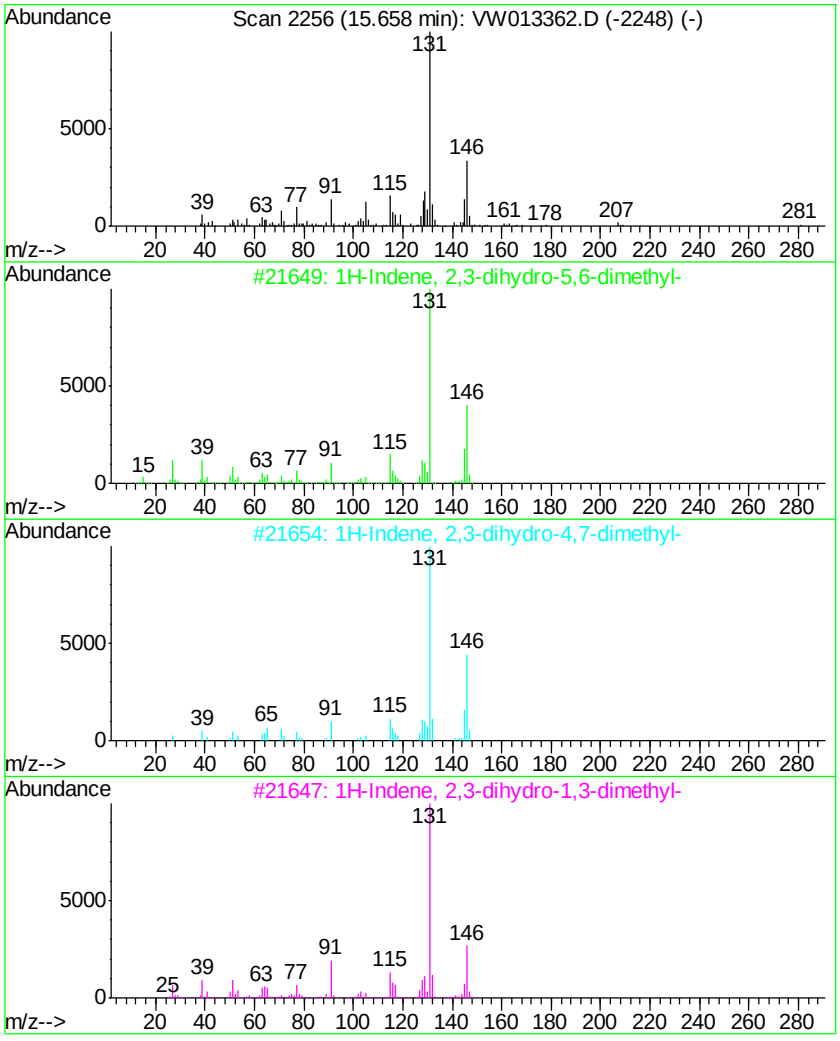
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

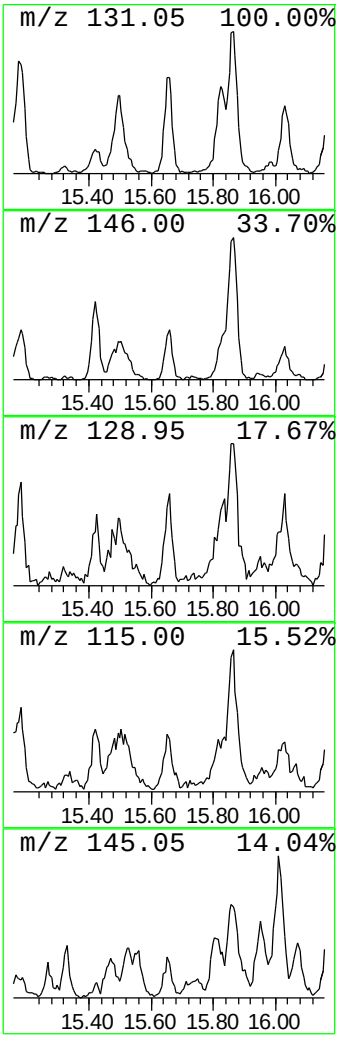
****

Peak Number 6 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	6.44 ug/l	121320	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

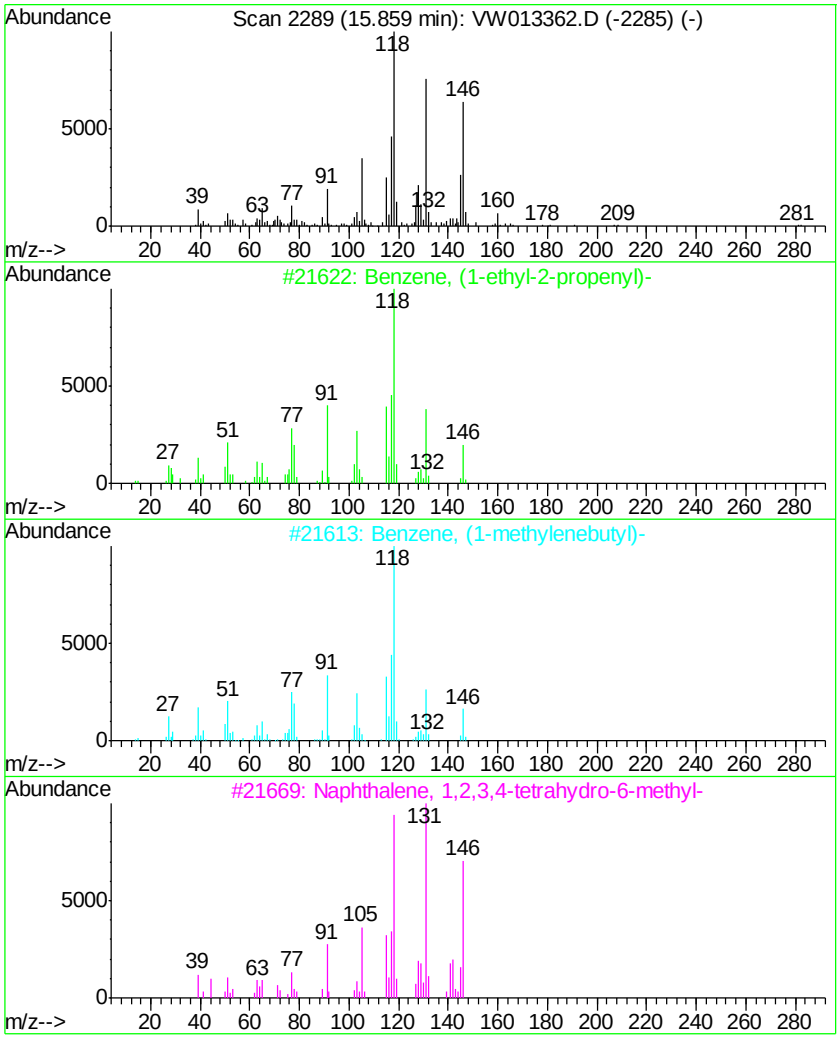
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

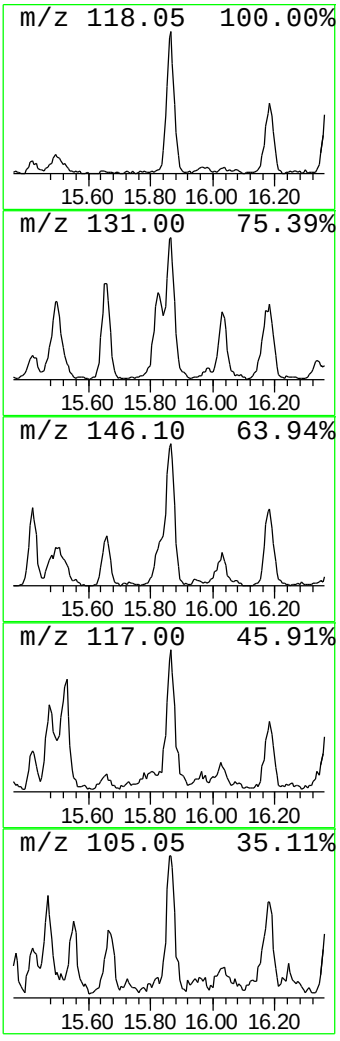
****

Peak Number 7 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	11.65 ug/l	219432	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	87
2	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	83
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
5	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	53





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Operator : SY/VA
Sample : K4659-04
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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

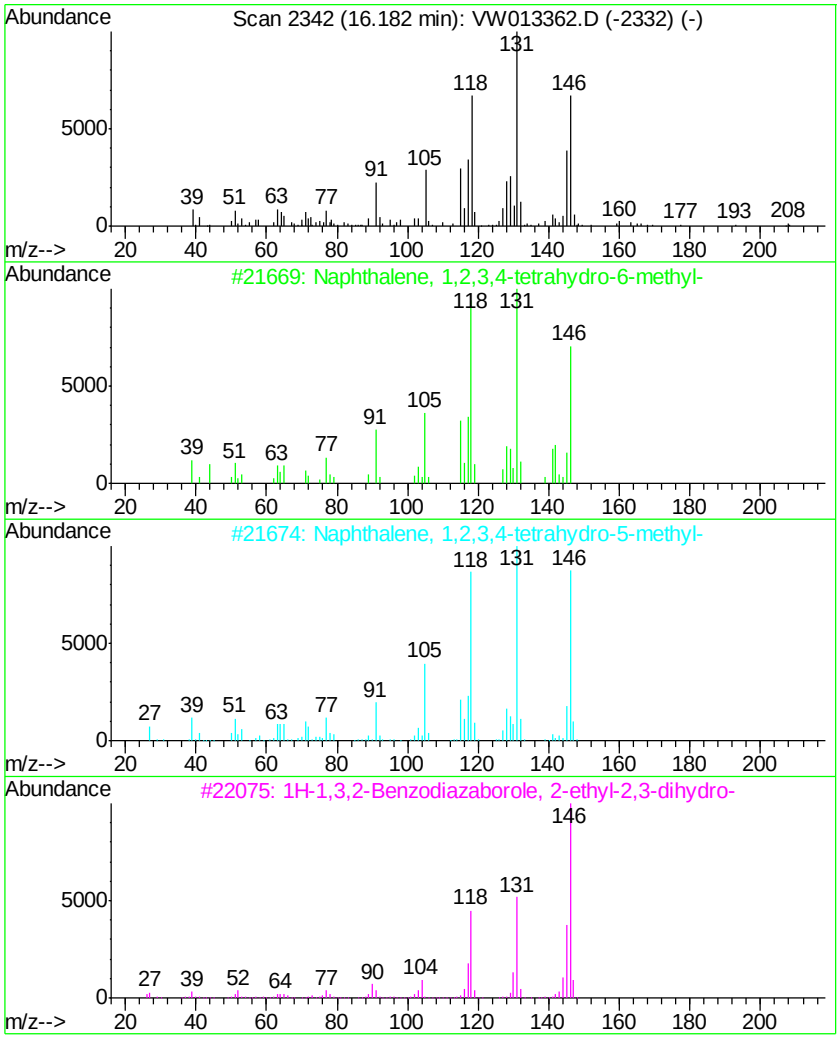
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

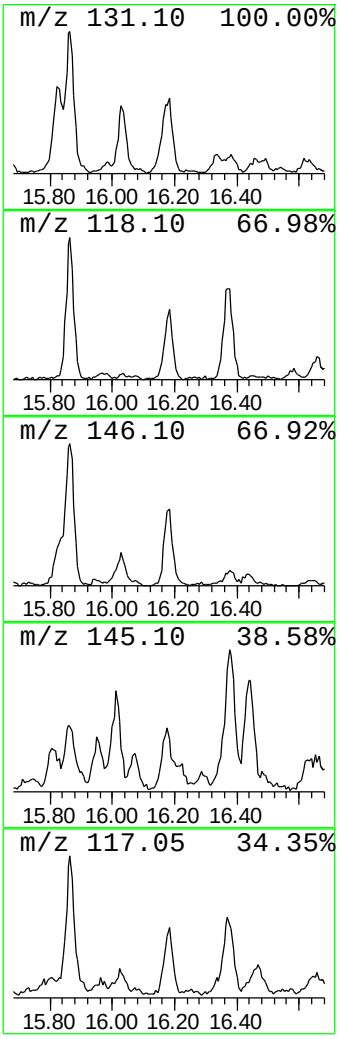
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	9.21 ug/l	173547	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	81
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	60
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
Data File : VW013362.D
Acq On : 01 Oct 2019 05:33
Operator : SY/VA
Sample : K4659-04
Misc : 6.45G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

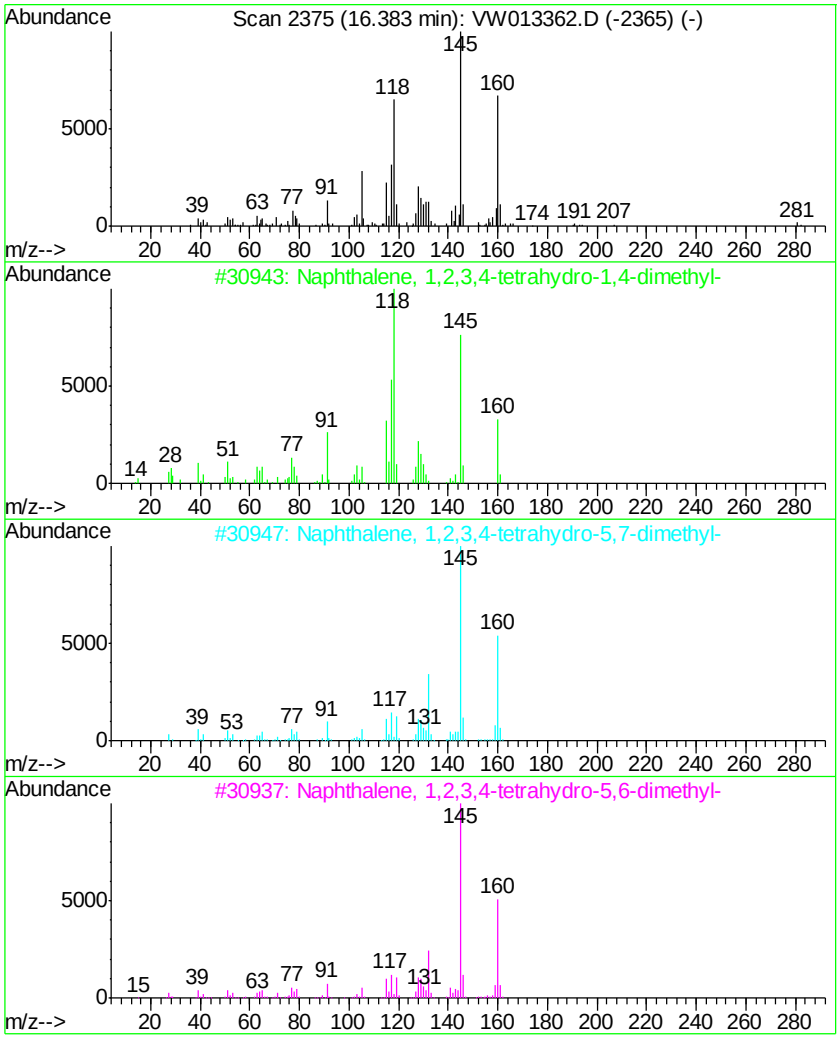
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

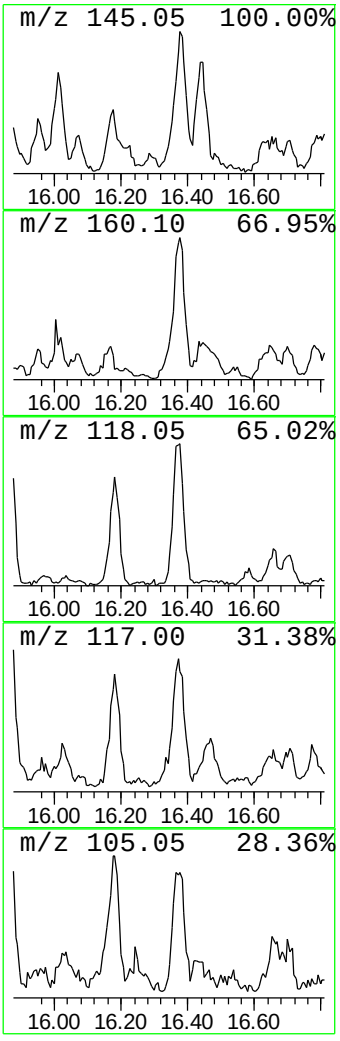
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	7.87 ug/l	148314	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	78
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	76
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
Data File : VW013362.D
Acq On : 01 Oct 2019 05:33
Operator : SY/VA
Sample : K4659-04
Misc : 6.45G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-093019-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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	2.15	7.3	ug/l	140400	1	7.95	959573	50.0
Benzene, 1-etheny...	14.81	13.1	ug/l	247209	4	13.56	941899	50.0
Naphthalene, 1,2,...	14.96	6.0	ug/l	113196	4	13.56	941899	50.0
1H-Indene, 2,3-di...	15.18	7.9	ug/l	148146	4	13.56	941899	50.0
Naphthalene, 1,2,...	15.42	5.3	ug/l	100140	4	13.56	941899	50.0
1H-Indene, 2,3-di...	15.66	6.4	ug/l	121320	4	13.56	941899	50.0
Benzene, (1-ethyl...	15.86	11.7	ug/l	219432	4	13.56	941899	50.0
Naphthalene, 1,2,...	16.18	9.2	ug/l	173547	4	13.56	941899	50.0
Naphthalene, 1,2,...	16.38	7.9	ug/l	148314	4	13.56	941899	50.0