LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

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\82X062518W.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	1.075	76	80	90	rBV	1247030	1512007	84.81%	9.052%
2	1.276	108	113	114	rBV	209516	251968	14.13%	1.508%
3	1.319	114	120	146	rVB	486256	1782808	100.00%	10.673%
4	4.605	645	659	669	rBV2	5878	18861	1.06%	0.113%
5	5.507	795	807	823	rBV	176298	510605	28.64%	3.057%
6	5.665	823	833	849	rVB	262445	737996	41.40%	4.418%
7	6.074	887	900	910	rBV	185418	494079	27.71%	2.958%
8	6.147	910	912	923	rVB4	9597	18956	1.06%	0.113%
9	6.866	1019	1030	1049	rBV	371343	877989	49.25%	5.256%
10	8.720	1327	1334	1342	rBV	915867	1381395	77.48%	8.270%
11	10.116	1557	1563	1571	rBV	807023	1068964	59.96%	6.399%
12	10.341	1596	1600	1609	rVB7	13950	35574	2.00%	0.213%
13	10.646	1639	1650	1657	rBV5	14493	45670	2.56%	0.273%
14	10.841	1678	1682	1686	rVB2	16536	22877	1.28%	0.137%
15	10.927	1690	1696	1698	rBV5	9031	18120	1.02%	0.108%
16	11.018	1706	1711	1716	rBV	77054	104982	5.89%	0.628%
17	11.140	1725	1731	1736	rBV	843755	1034577	58.03%	6.193%
18	11.189	1736	1739	1743	rVB3	16221	21875	1.23%	0.131%
19	11.280	1750	1754	1759	rVB2	22474	32066	1.80%	0.192%
20	11.677	1813	1819	1826	rVB4	17294	33118	1.86%	0.198%
21	11.774	1826	1835	1838	rBV	30666	45162	2.53%	0.270%
22	11.920	1852	1859	1861	rBV2	35144	55912	3.14%	0.335%
23	11.951	1861	1864	1868	rVB	80740	98873	5.55%	0.592%
24	12.079	1880	1885	1897	rBV	991183	1253025	70.28%	7.501%
25	12.237	1905	1911	1917	rVB	78848	109537	6.14%	0.656%
26	12.304	1917	1922	1926	rBV	88633	111459	6.25%	0.667%
27	12.371	1926	1933	1942	rVB2	66461	117876	6.61%	0.706%
28	12.463	1943	1948	1953	rBV	151670	192140	10.78%	1.150%
29	12.664	1974	1981	1985	rBV4	10896	25417	1.43%	0.152%
30	12.713	1985	1989	1993	rBV2	26609	53751	3.01%	0.322%
31	12.762	1993	1997	2003	rVB2	271433	399285	22.40%	2.390%
32	12.817	2003	2006	2011	rVB	41104	55641	3.12%	0.333%
33	12.902	2011	2020	2025	rBV	147656	241624	13.55%	1.446%
34	12.981	2025	2033	2038	rBV2	263008	423038	23.73%	2.533%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

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\82X062518W.M
Title : SW846 8260

35	13.042	2038	2043	2047	rVB2	22556	38251	2.15%	0.229%
36	13.091	2047	2051	2056	rVB3	61693	86473	4.85%	0.518%
37	13.201	2064	2069	2074	rVB	146802	186926	10.48%	1.119%
38	13.255	2074	2078	2082	rVB	44161	56623	3.18%	0.339%
39	13.304	2082	2086	2091	rBV2	31193	48226	2.71%	0.289%
40	13.353	2091	2094	2099	rBV5	17130	23964	1.34%	0.143%
41	13.408	2099	2103	2107	rVB2	50342	65930	3.70%	0.395%
42	13.457	2107	2111	2112	rBV2	26164	33721	1.89%	0.202%
43	13.481	2113	2115	2122	rVB2	36401	51813	2.91%	0.310%
44	13.573	2126	2130	2132	rBV3	36684	53066	2.98%	0.318%
45	13.603	2132	2135	2138	rVB2	36990	41707	2.34%	0.250%
46	13.640	2138	2141	2145	rBV2	96932	127443	7.15%	0.763%
47	13.701	2145	2151	2154	rBV2	137253	254545	14.28%	1.524%
48	13.810	2165	2169	2172	rBV	78499	105652	5.93%	0.632%
49	13.859	2174	2177	2181	rVB2	45036	66604	3.74%	0.399%
50	13.914	2181	2186	2191	rBV	173581	220341	12.36%	1.319%
51	13.987	2191	2198	2202	rBV	210378	301122	16.89%	1.803%
52	14.036	2202	2206	2209	rBV	43696	57191	3.21%	0.342%
53	14.127	2218	2221	2224	rBV3	18102	23356	1.31%	0.140%
54	14.164	2224	2227	2231	rBV	52992	60667	3.40%	0.363%
55	14.274	2241	2245	2251	rVB	87400	114165	6.40%	0.683%
56	14.383	2259	2263	2267	rVB	95421	110347	6.19%	0.661%
57	14.432	2267	2271	2276	rVB2	61500	78465	4.40%	0.470%
58	14.481	2276	2279	2285	rVB	38629	50846	2.85%	0.304%
59	14.548	2285	2290	2294	rBV2	87493	139388	7.82%	0.834%
60	14.645	2302	2306	2308	rBV3	13375	18583	1.04%	0.111%
61	14.676	2308	2311	2313	rVV4	34953	46209	2.59%	0.277%
62	14.737	2317	2321	2324	rVV2	47685	60905	3.42%	0.365%
63	14.786	2325	2329	2333	rVV	26791	41587	2.33%	0.249%
64	14.847	2334	2339	2344	rVV2	175550	297720	16.70%	1.782%
65	14.914	2347	2350	2353	rVV2	35504	45648	2.56%	0.273%
66	14.987	2358	2362	2367	rVV3	27064	46565	2.61%	0.279%
67	15.042	2369	2371	2376	rVB6	14039	20397	1.14%	0.122%
68	15.255	2400	2406	2413	rVV3	35836	70930	3.98%	0.425%
69	15.328	2414	2418	2424	rVB4	16446	27691	1.55%	0.166%
70	15.481	2440	2443	2447	rVB	34177	46001	2.58%	0.275%
71	15.554	2452	2455	2459	rVV3	14564	22554	1.27%	0.135%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

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\82X062518W.M
Title : SW846 8260

72	15.603	2459	2463	2469	rVV5	15664	31702	1.78%	0.190%
73	15.694	2471	2478	2482	rVV2	35457	70165	3.94%	0.420%
74	15.731	2482	2484	2490	rVB5	15454	22377	1.26%	0.134%
75	15.810	2492	2497	2503	rBV3	21193	42087	2.36%	0.252%
76	15.895	2506	2511	2513	rVV2	35277	59119	3.32%	0.354%
77	15.926	2513	2516	2524	rVB2	48723	88395	4.96%	0.529%
78	16.072	2535	2540	2545	rBV	24806	43634	2.45%	0.261%
79	16.426	2595	2598	2604	rVB2	10979	17951	1.01%	0.107%

Sum of corrected areas: 16704279

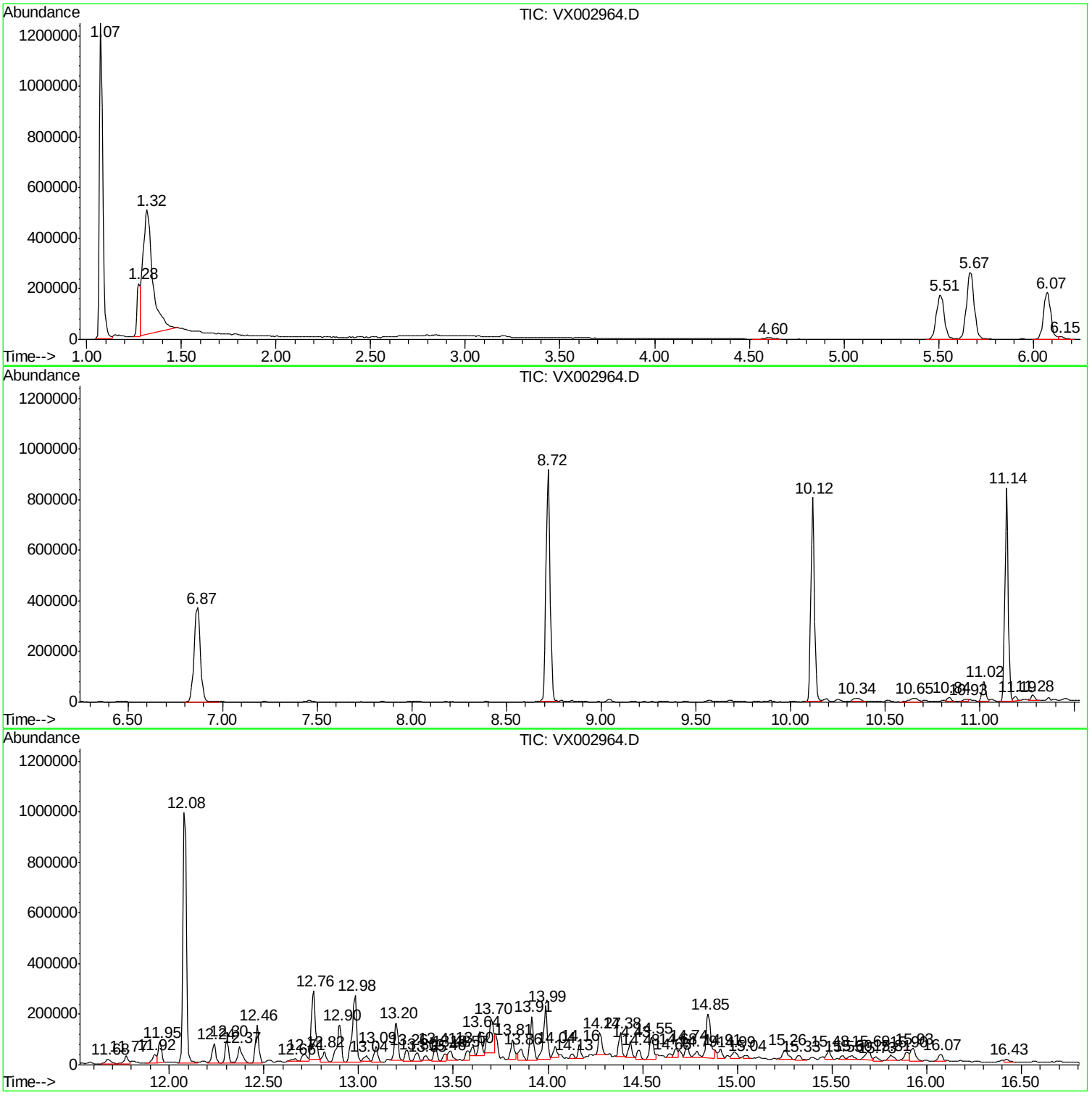
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.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\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

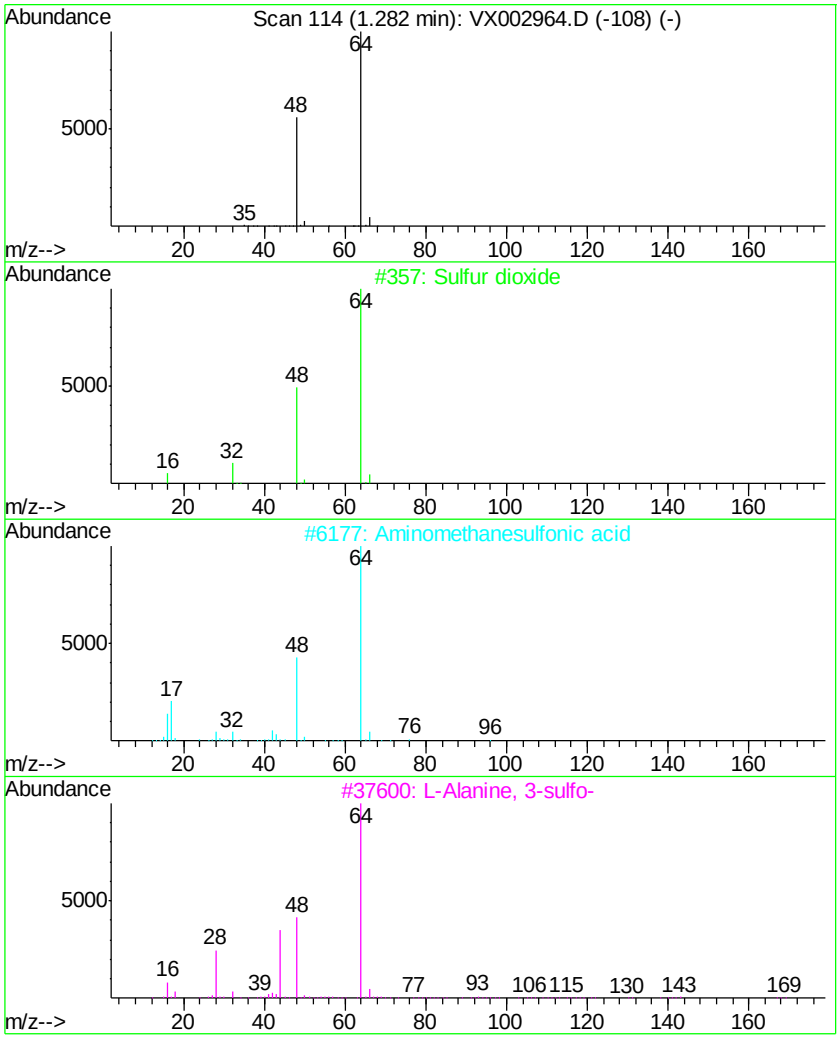
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

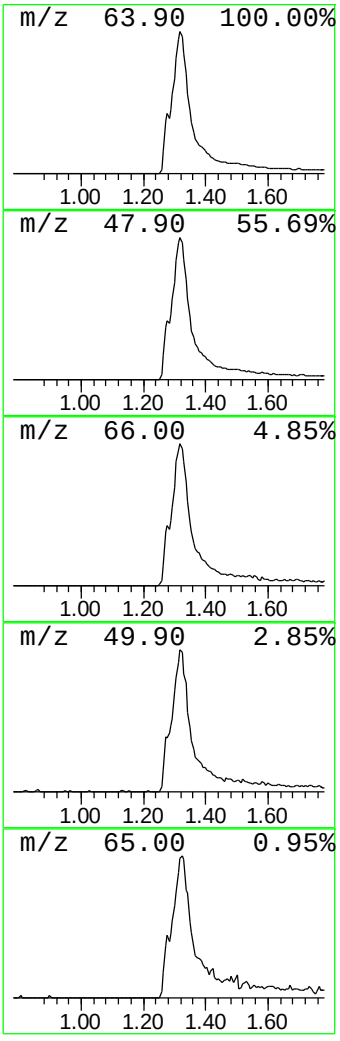
****

Peak Number 2 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.28	17.07 ug/l	251968	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	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

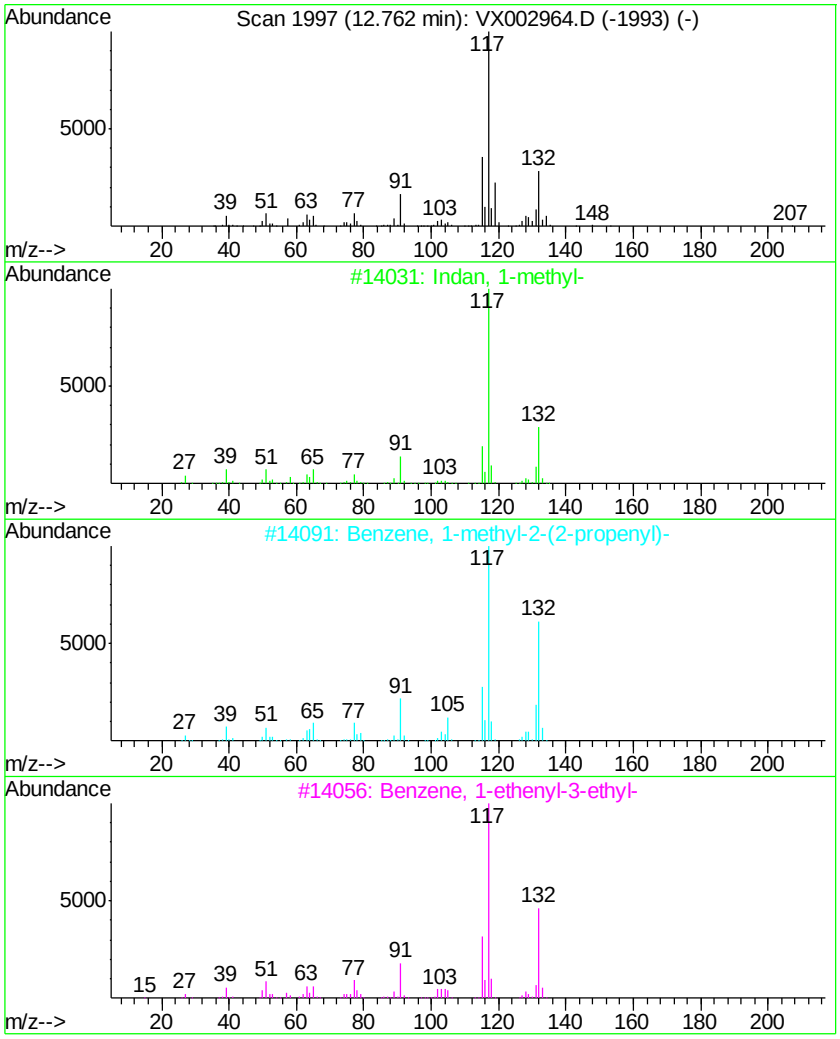
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

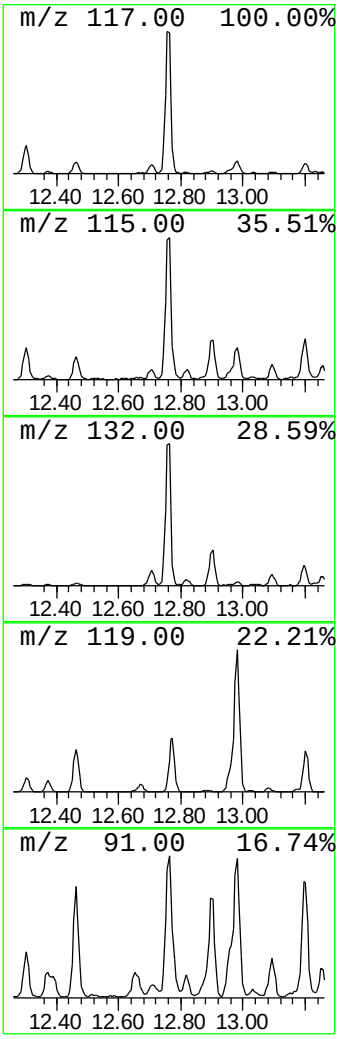
****

Peak Number 4 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	15.93 ug/l	399285	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

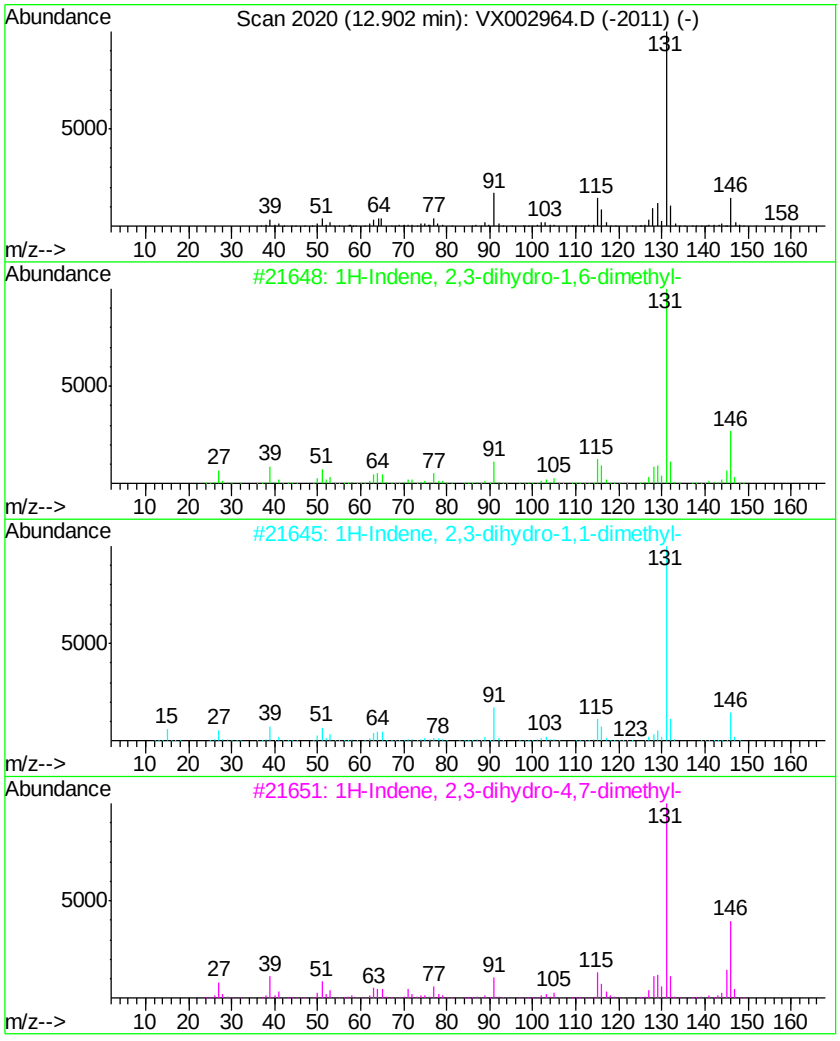
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

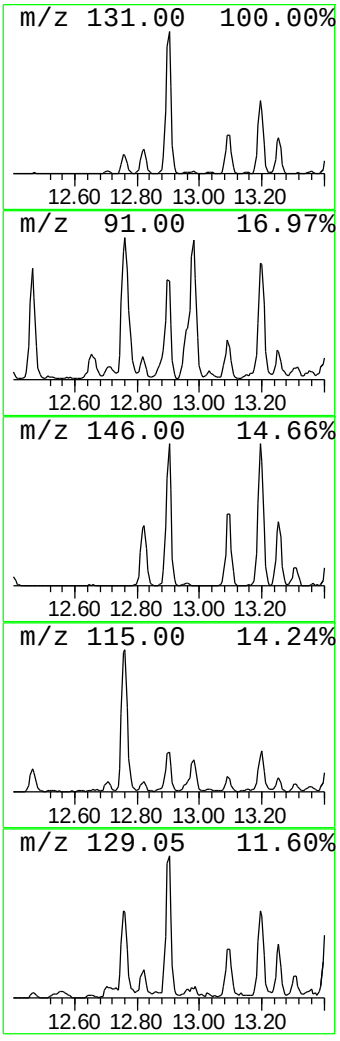
****

Peak Number 5 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	9.64 ug/l	241624	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

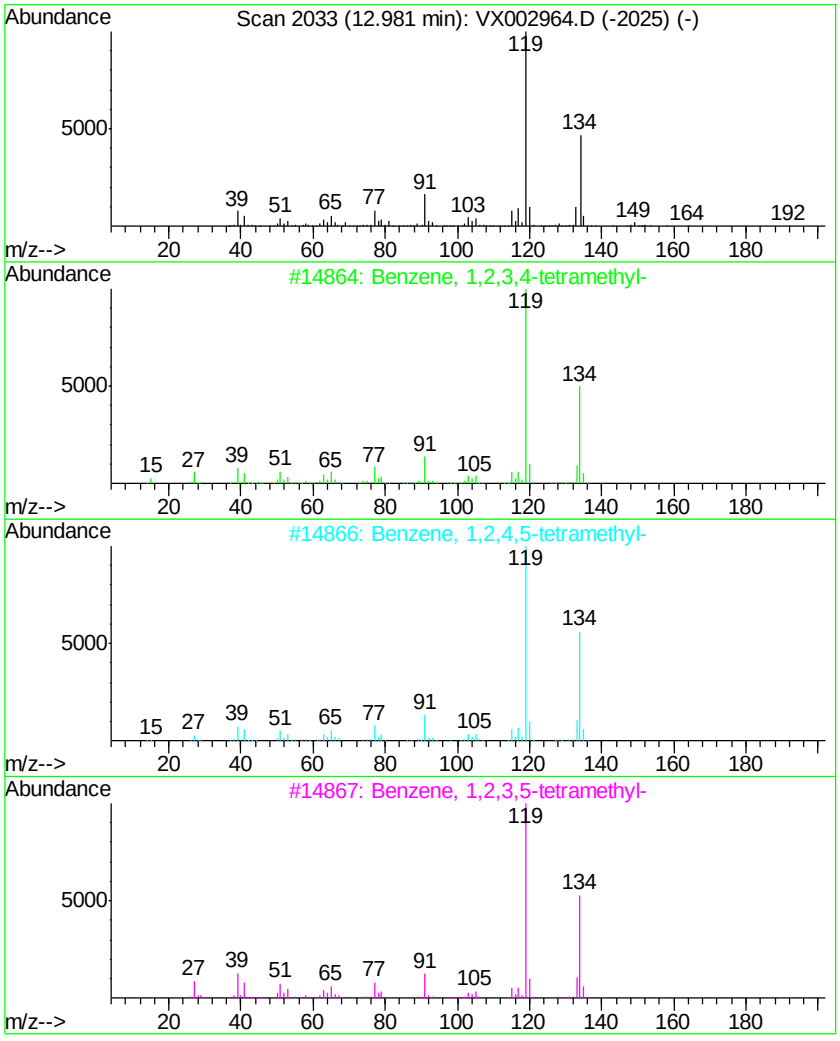
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

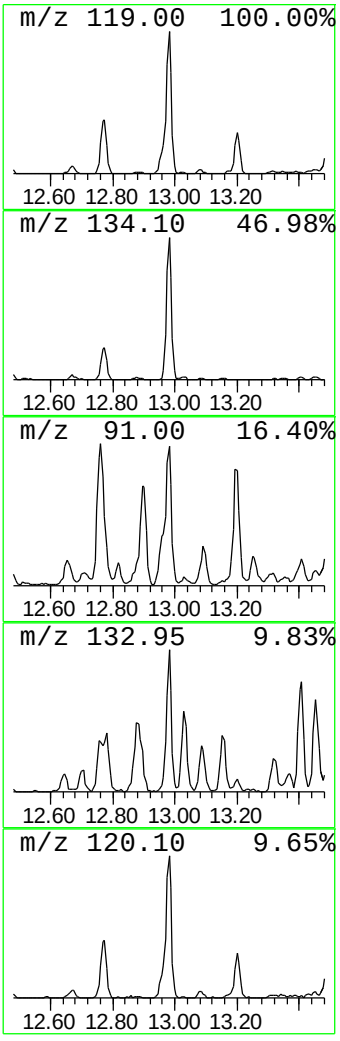
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	16.88 ug/l	423038	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

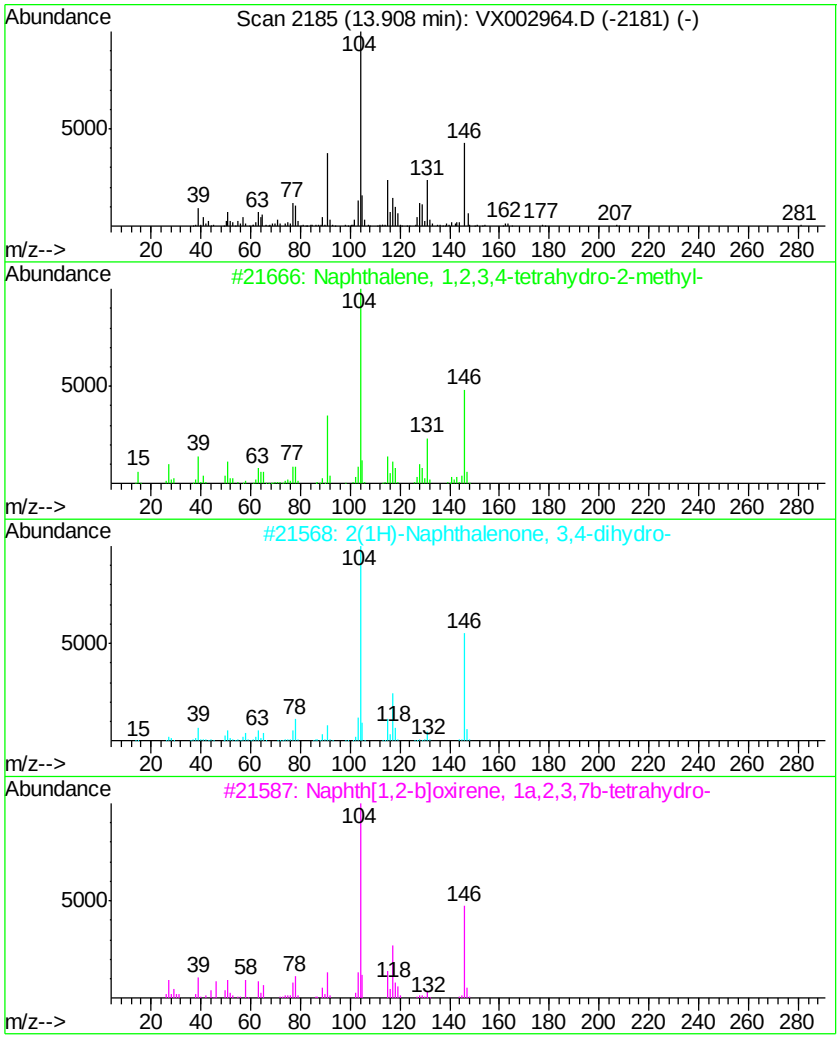
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

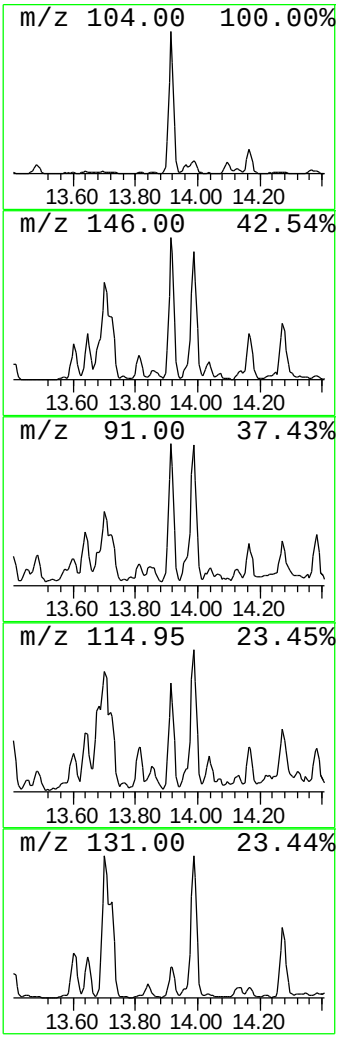
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	8.79 ug/l	220341	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4	7-Azabicyclo[4.2.2]deca-2,4,9-tr...	147	C9H9NO	017198-06-0	53
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

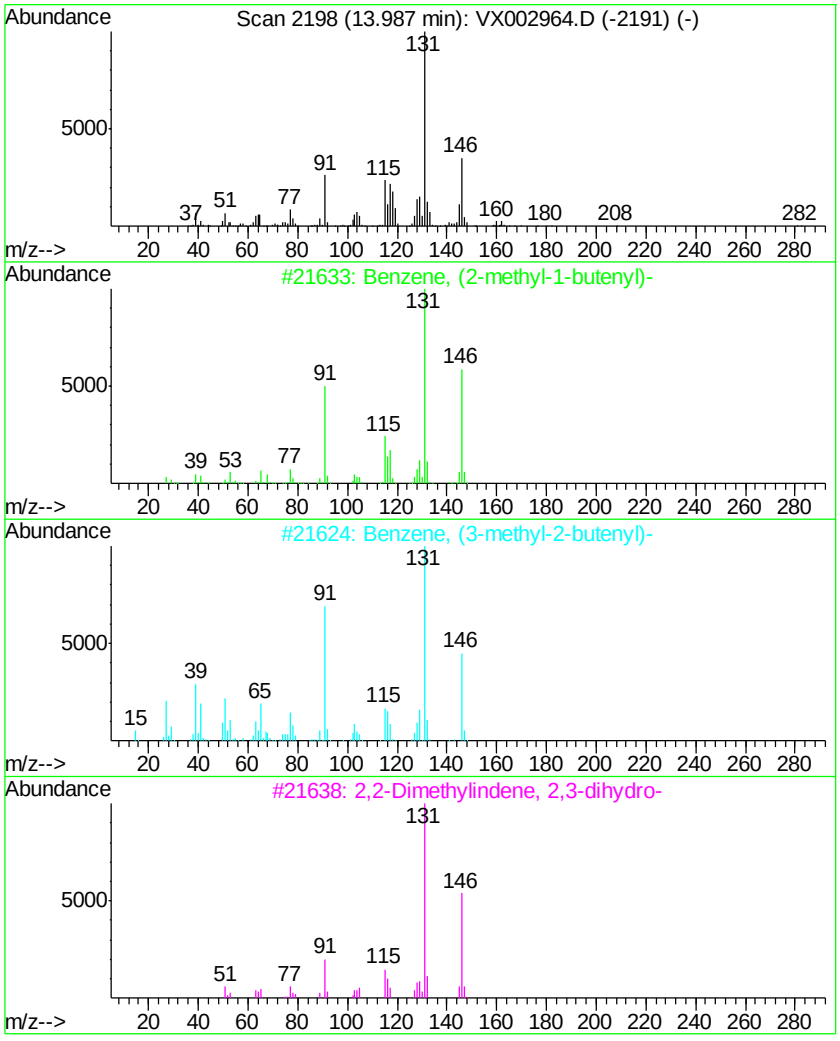
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

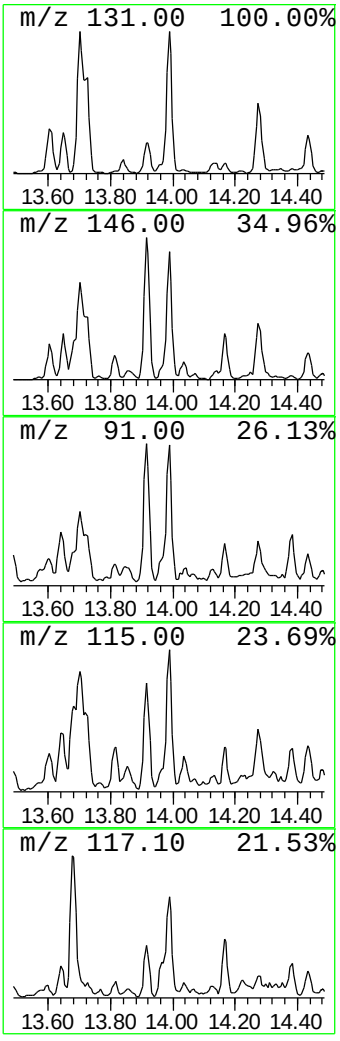
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	12.02 ug/l	301122	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

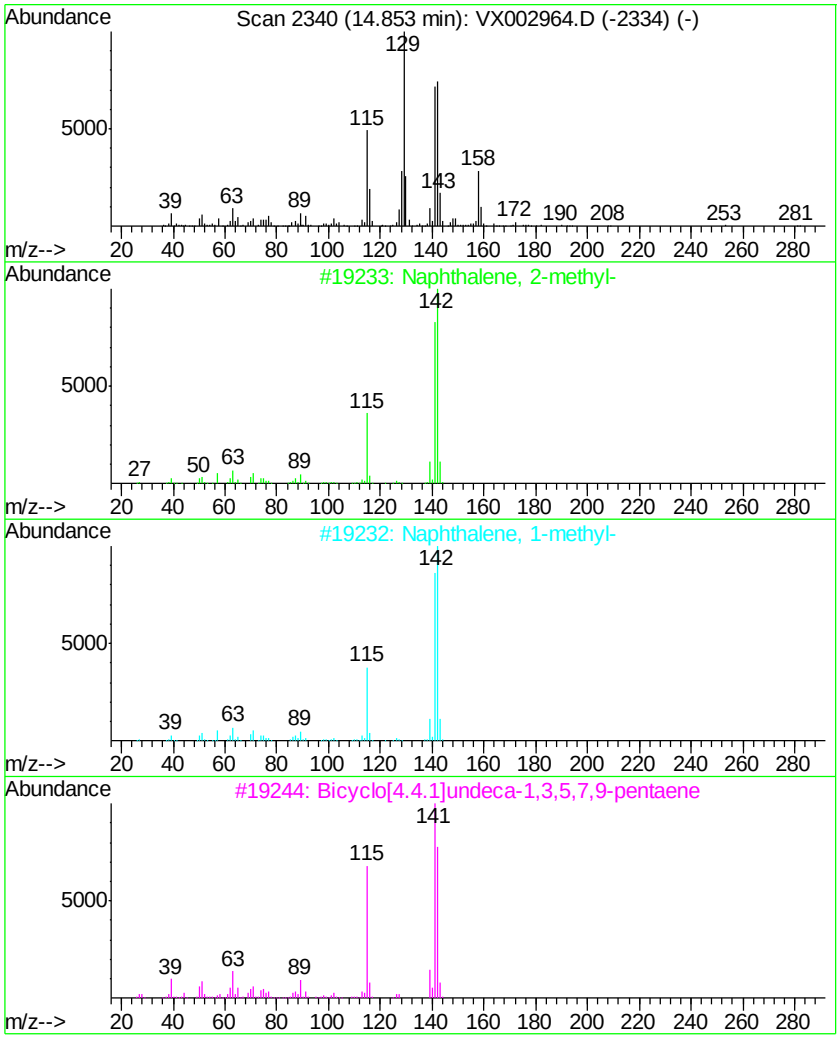
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

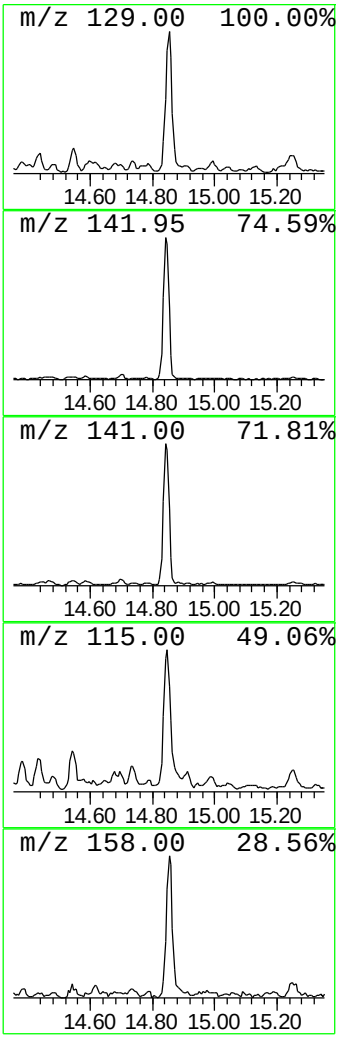
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	11.88 ug/l	297720	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76
4	Benzocycloheptatriene	142	C11H10	000264-09-5	76
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062718\
Data File : VX002964.D
Acq On : 28 Jun 2018 04:25
Operator : JC/MD
Sample : J3718-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-24

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.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	1.28	17.1	ug/l	251968	1	5.67	737996	50.0
Indan, 1-methyl-	12.76	15.9	ug/l	399285	4	12.08	1253030	50.0
1H-Indene, 2,3-di...	12.90	9.6	ug/l	241624	4	12.08	1253030	50.0
Benzene, 1,2,3,4-...	12.98	16.9	ug/l	423038	4	12.08	1253030	50.0
Naphthalene, 1,2,...	13.91	8.8	ug/l	220341	4	12.08	1253030	50.0
Benzene, (2-methy...	13.99	12.0	ug/l	301122	4	12.08	1253030	50.0
Naphthalene, 1-me...	14.85	11.9	ug/l	297720	4	12.08	1253030	50.0