LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

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_N\METHODS\82N072418W.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	1.661	3	22	49	rBV	2127407	3332133	82.62%	5.745%
2	3.825	676	695	722	rBV	115510	310344	7.70%	0.535%
3	4.079	751	774	790	rBV3	21421	68299	1.69%	0.118%
4	6.844	1616	1634	1659	rVB2	16455	49770	1.23%	0.086%
5	7.593	1844	1867	1879	rBV	545532	1371125	34.00%	2.364%
6	7.667	1879	1890	1914	rVB	806189	1918133	47.56%	3.307%
7	8.030	1984	2003	2026	rBV	540911	1272949	31.56%	2.195%
8	8.278	2039	2080	2082	rBV4	137420	721272	17.88%	1.243%
9	8.587	2161	2176	2217	rVB	1165261	2481659	61.53%	4.278%
10	9.082	2310	2330	2346	rVB4	64128	158889	3.94%	0.274%
11	10.095	2629	2645	2675	rBV	2140307	4033034	100.00%	6.953%
12	10.262	2688	2697	2722	rVB10	23497	74150	1.84%	0.128%
13	10.432	2740	2750	2763	rVB3	52234	99992	2.48%	0.172%
14	10.532	2766	2781	2791	rBV4	28986	61455	1.52%	0.106%
15	10.953	2905	2912	2920	rVB2	73788	115974	2.88%	0.200%
16	11.008	2920	2929	2939	rVB3	44835	78779	1.95%	0.136%
17	11.214	2983	2993	3001	rBV4	25535	45406	1.13%	0.078%
18	11.410	3041	3054	3072	rBV	1555084	2724152	67.55%	4.697%
19	11.500	3073	3082	3090	rBV	52325	87450	2.17%	0.151%
20	11.657	3121	3131	3141	rBV4	67634	135209	3.35%	0.233%
21	11.815	3170	3180	3188	rBV2	27645	54179	1.34%	0.093%
22	11.921	3201	3213	3222	rBV4	66897	149836	3.72%	0.258%
23	12.120	3269	3275	3283	rVV3	91726	159568	3.96%	0.275%
24	12.169	3286	3290	3305	rVV6	70415	147695	3.66%	0.255%
25	12.252	3306	3316	3329	rVB	472575	762820	18.91%	1.315%
26	12.403	3350	3363	3376	rBV	1417145	2379419	59.00%	4.102%
27	12.477	3379	3386	3396	rVB3	37470	73351	1.82%	0.126%
28	12.593	3406	3422	3439	rVB	485048	912490	22.63%	1.573%
29	12.728	3455	3464	3475	rVB9	55979	118619	2.94%	0.205%
30	12.866	3500	3507	3516	rBV7	36416	59741	1.48%	0.103%
31	12.963	3530	3537	3543	rBV3	94668	144928	3.59%	0.250%
32	13.043	3554	3562	3571	rVB	128486	208363	5.17%	0.359%
33	13.175	3589	3603	3612	rBV2	364803	712796	17.67%	1.229%
34	13.345	3645	3656	3670	rBV	1417514	2396022	59.41%	4.131%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

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_N\METHODS\82N072418W.M
Title : SW846 8260

35	13.445	3679	3687	3697	rBV	212971	325863	8.08%	0.562%
36	13.512	3698	3708	3713	rVV	846808	1336935	33.15%	2.305%
37	13.545	3714	3718	3727	rVV	925097	1350700	33.49%	2.329%
38	13.593	3727	3733	3747	rVB2	262883	495117	12.28%	0.854%
39	13.673	3747	3758	3769	rBV	737608	1231553	30.54%	2.123%
40	13.892	3816	3826	3835	rVB	1112170	1671588	41.45%	2.882%
41	13.950	3835	3844	3849	rBV	316903	504824	12.52%	0.870%
42	13.995	3849	3858	3869	rVB2	1667965	2833795	70.26%	4.886%
43	14.133	3890	3901	3908	rBV	286495	491890	12.20%	0.848%
44	14.213	3909	3926	3934	rBV	1375440	2379043	58.99%	4.102%
45	14.294	3945	3951	3957	rBV2	178839	231111	5.73%	0.398%
46	14.365	3968	3973	3980	rVB	153819	183757	4.56%	0.317%
47	14.422	3982	3991	4001	rVB4	344660	680785	16.88%	1.174%
48	14.480	4001	4009	4018	rBV4	281314	482946	11.97%	0.833%
49	14.529	4018	4024	4031	rVB3	203850	269040	6.67%	0.464%
50	14.583	4031	4041	4054	rBV2	1899229	3340453	82.83%	5.759%
51	14.654	4055	4063	4073	rVB5	342859	617640	15.31%	1.065%
52	14.709	4075	4080	4083	rBV2	71675	88002	2.18%	0.152%
53	14.744	4084	4091	4099	rVB	468022	670691	16.63%	1.156%
54	14.853	4117	4125	4132	rBV4	507049	807792	20.03%	1.393%
55	14.959	4148	4158	4175	rVB2	924248	1964312	48.71%	3.387%
56	15.194	4221	4231	4239	rBV	849275	1441267	35.74%	2.485%
57	15.265	4241	4253	4271	rVB2	732999	1742972	43.22%	3.005%
58	15.419	4292	4301	4311	rBV3	145719	284105	7.04%	0.490%
59	15.702	4382	4389	4398	rVB	197340	315674	7.83%	0.544%
60	15.918	4443	4456	4470	rBV2	812858	1649087	40.89%	2.843%
61	16.104	4504	4514	4525	rVV3	320271	645733	16.01%	1.113%
62	16.168	4526	4534	4559	rVB7	279132	756439	18.76%	1.304%
63	16.355	4579	4592	4605	rBV	785995	1790525	44.40%	3.087%

Sum of corrected areas: 58003640

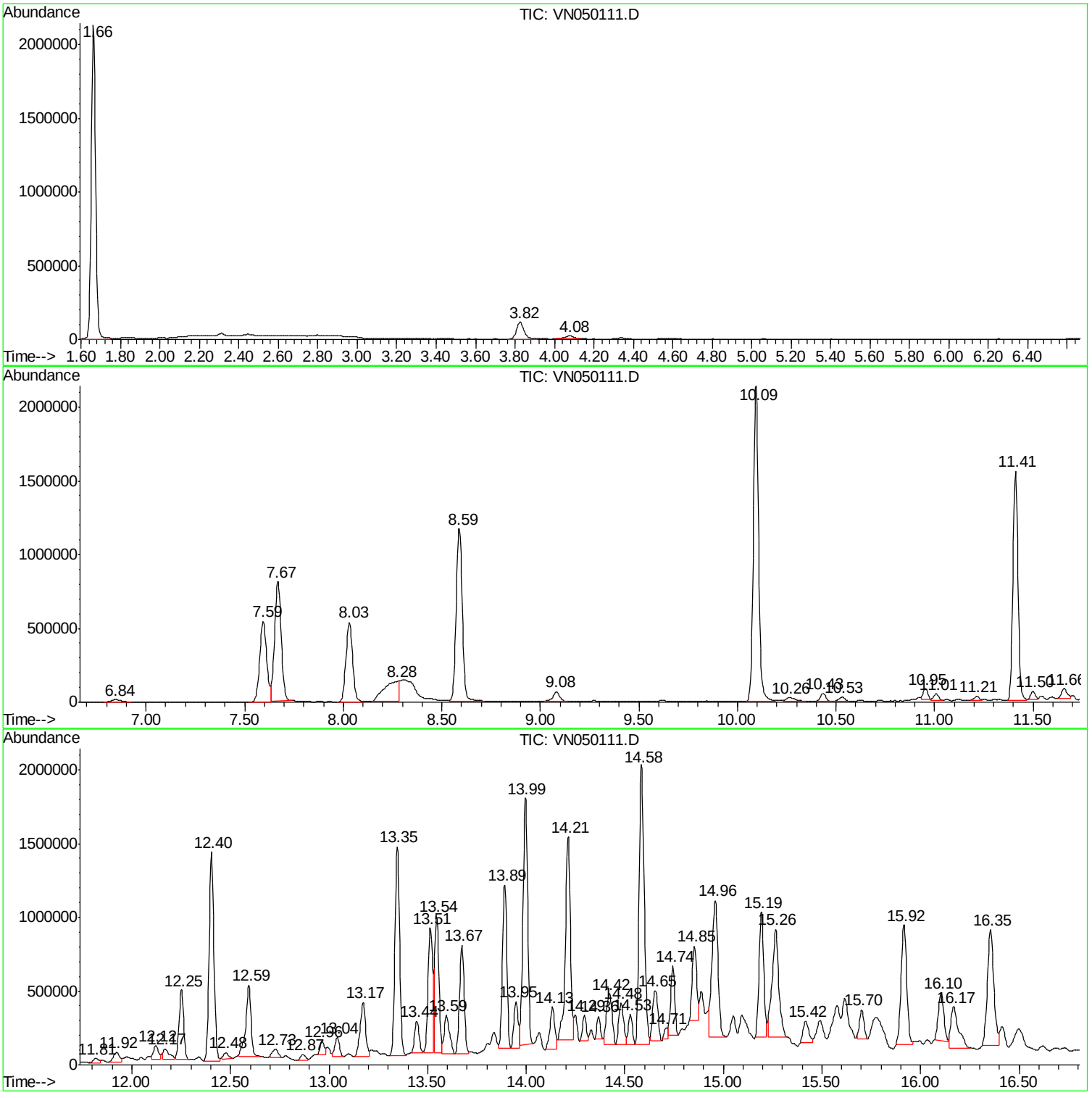
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.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_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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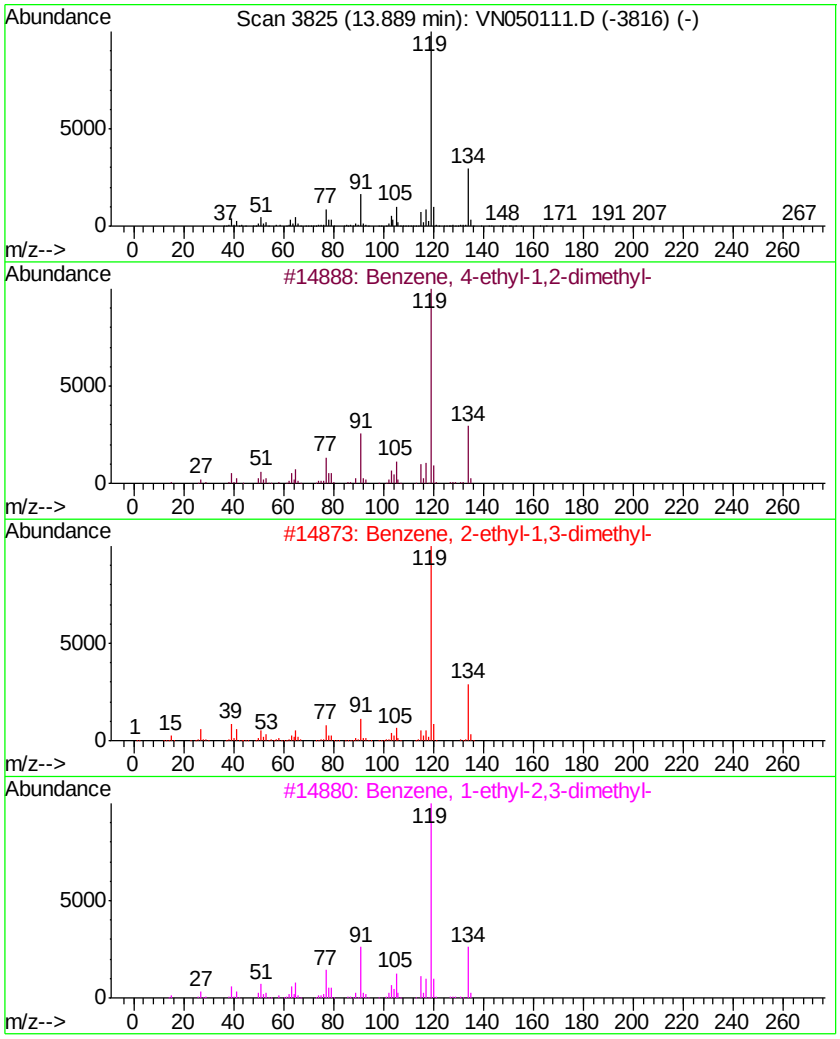
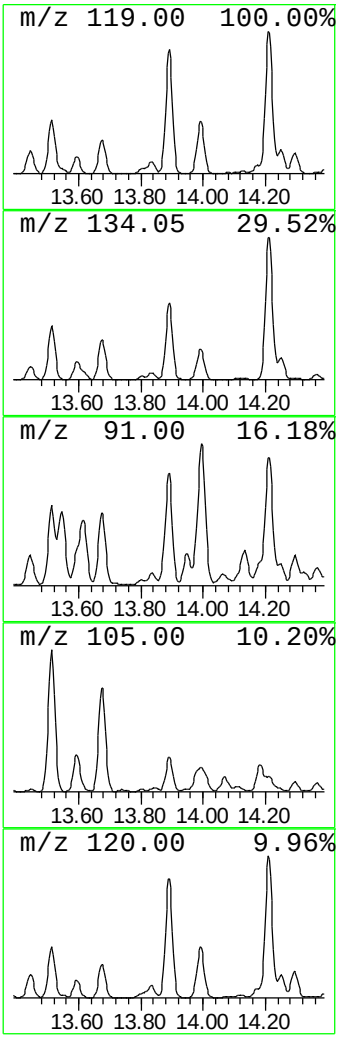
Peak Number 2 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	34.88 ug/l	1671590	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

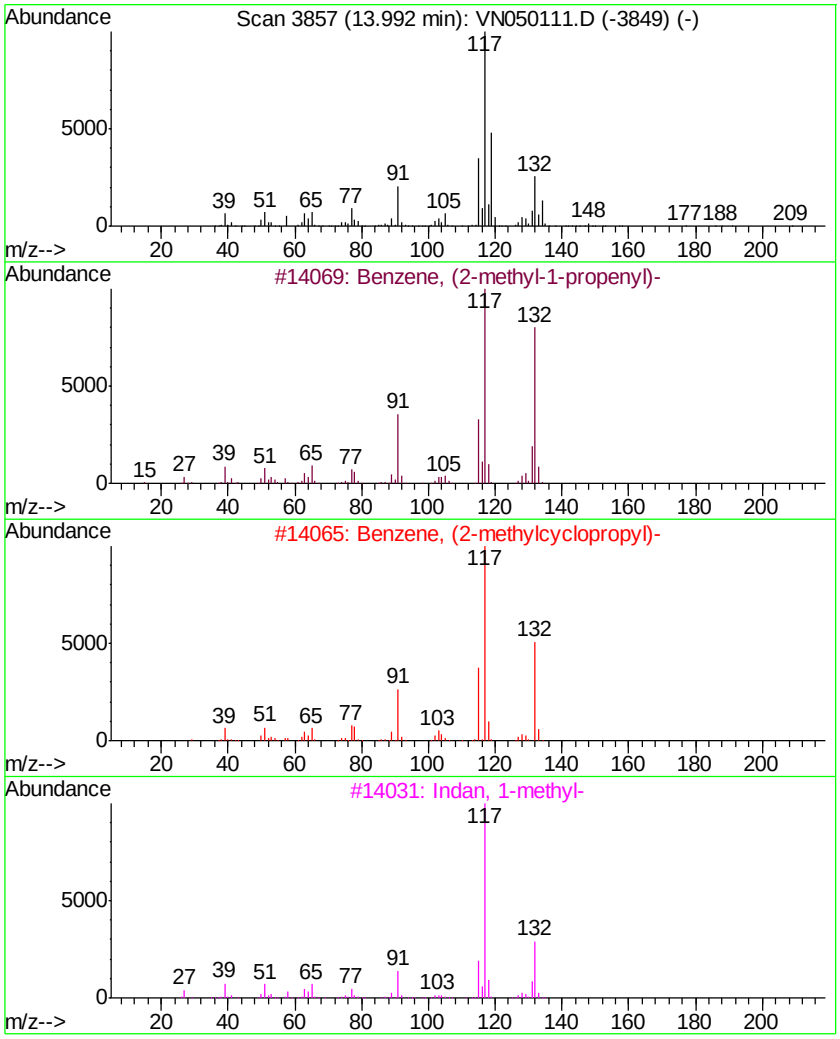
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

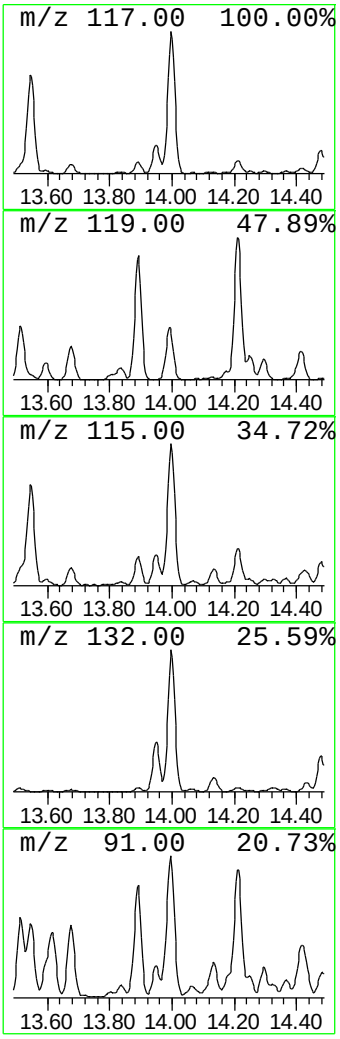
****

Peak Number 3 Benzene, (2-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	59.14 ug/l	2833800	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
3	Indan, 1-methyl-	132	C10H12	000767-58-8	64
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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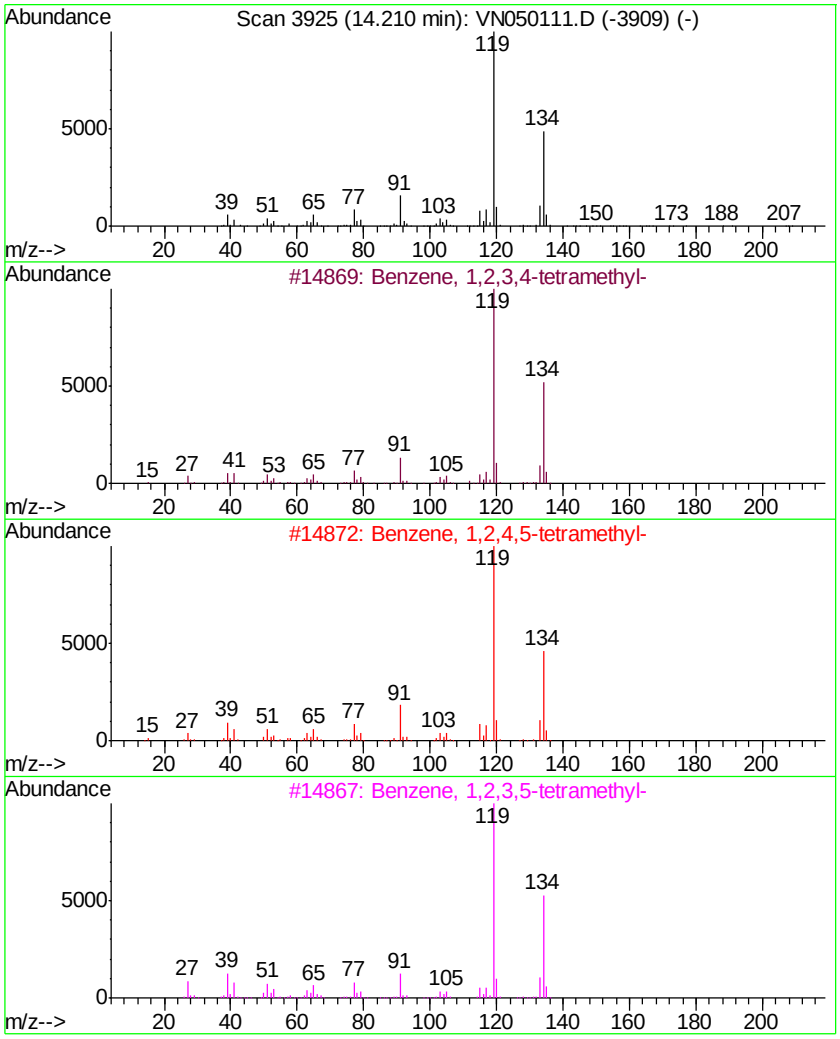
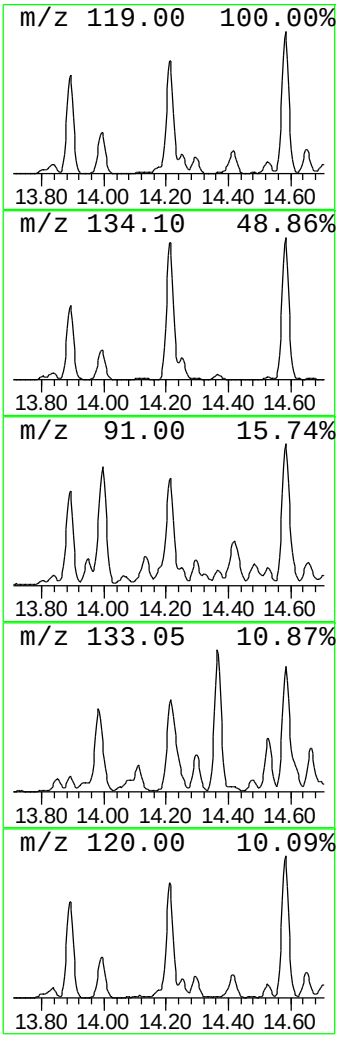
Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	49.65 ug/l	2379040	1,4-Dichlorobenzene-d4	13.35

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	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

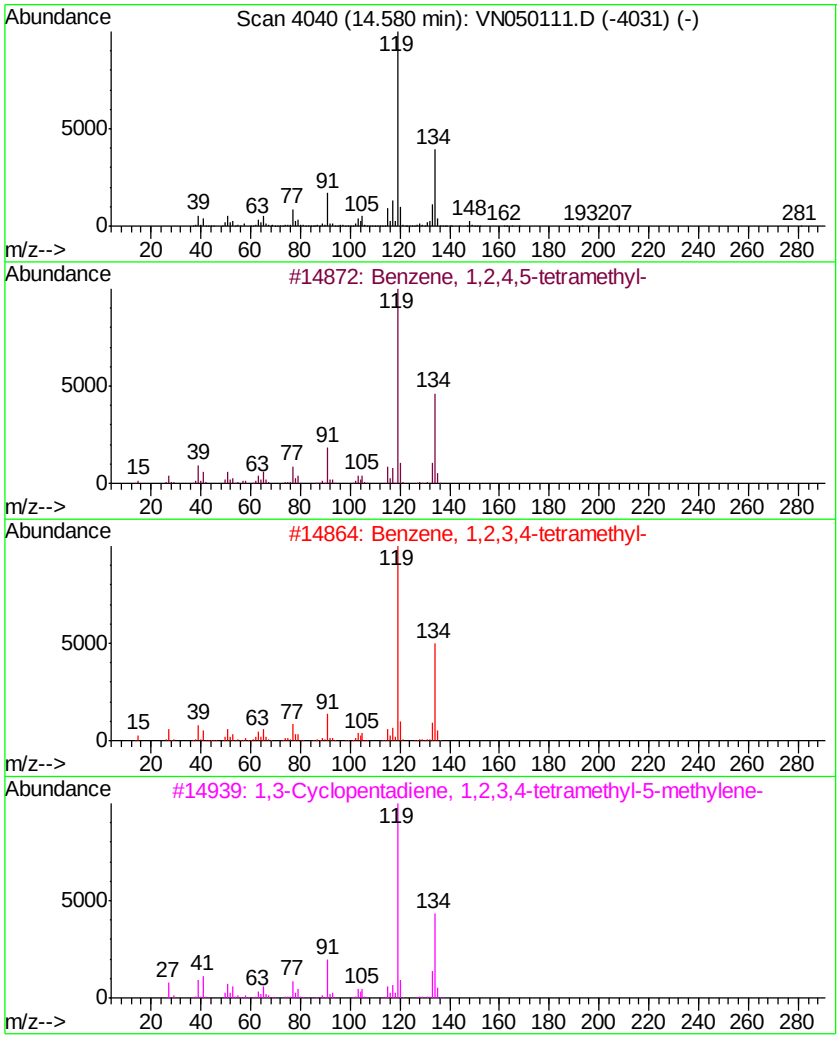
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

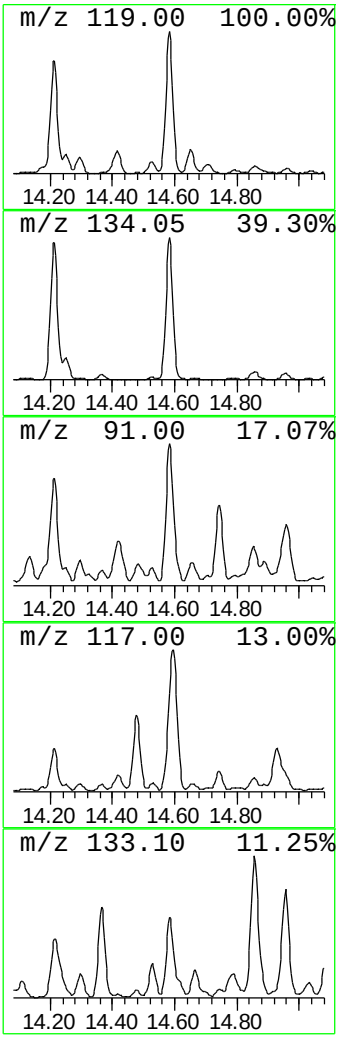
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	69.71 ug/l	3340450	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	o-Cymene	134	C10H14	000527-84-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

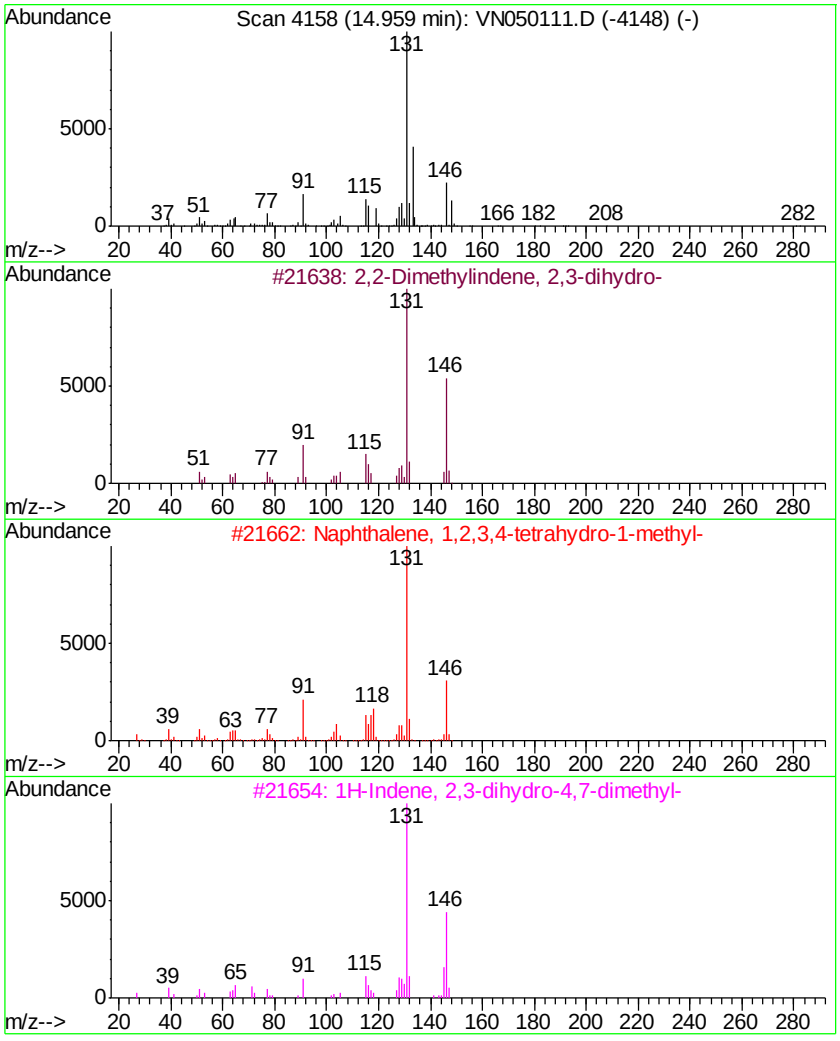
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

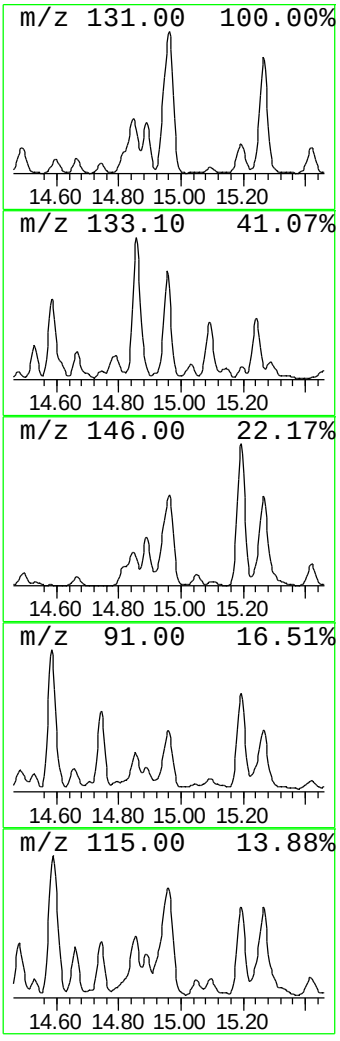
****

Peak Number 6 2,2-Dimethylindene, 2,3-dih... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	40.99 ug/l	1964310	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

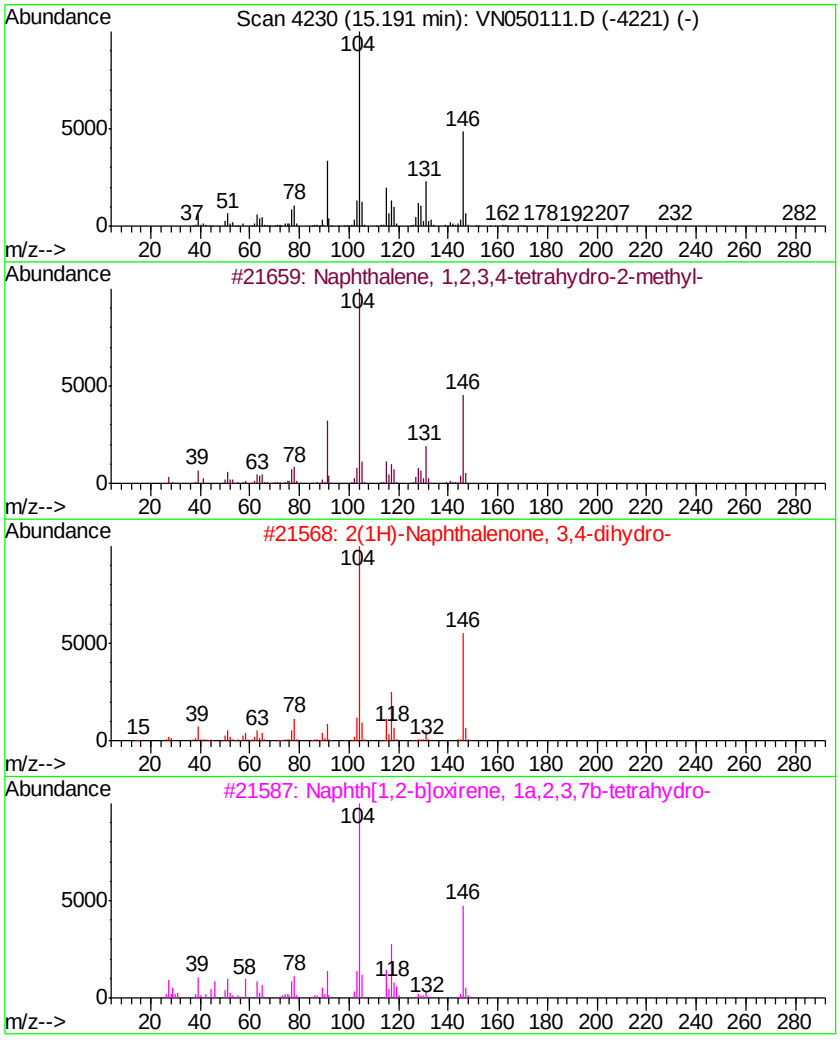
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

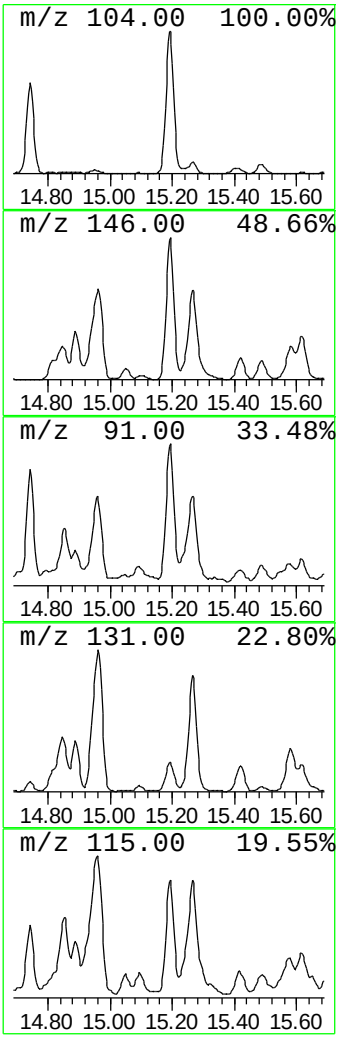
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	30.08 ug/l	1441270	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	68
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	38
5	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

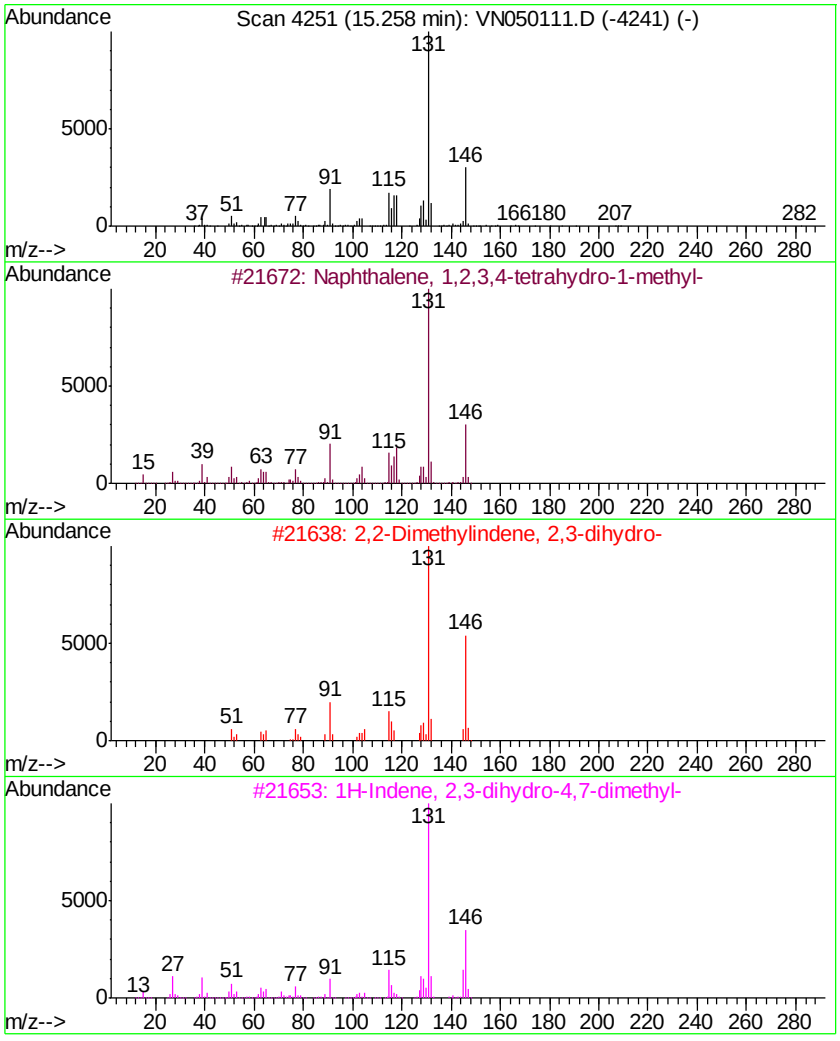
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

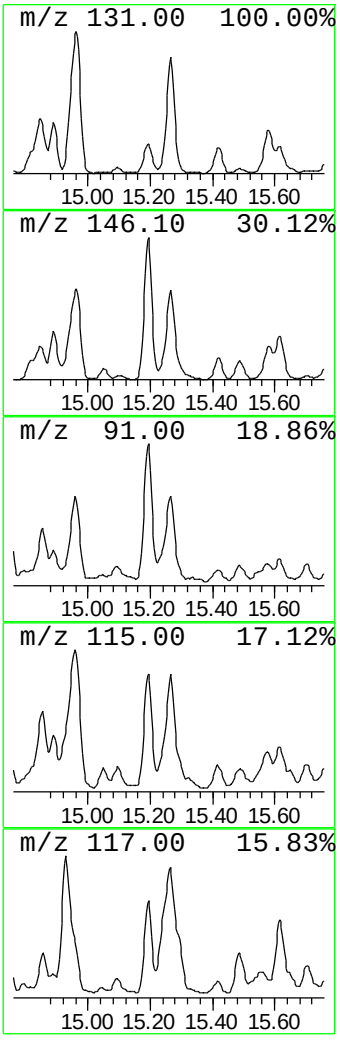
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	36.37 ug/l	1742970	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

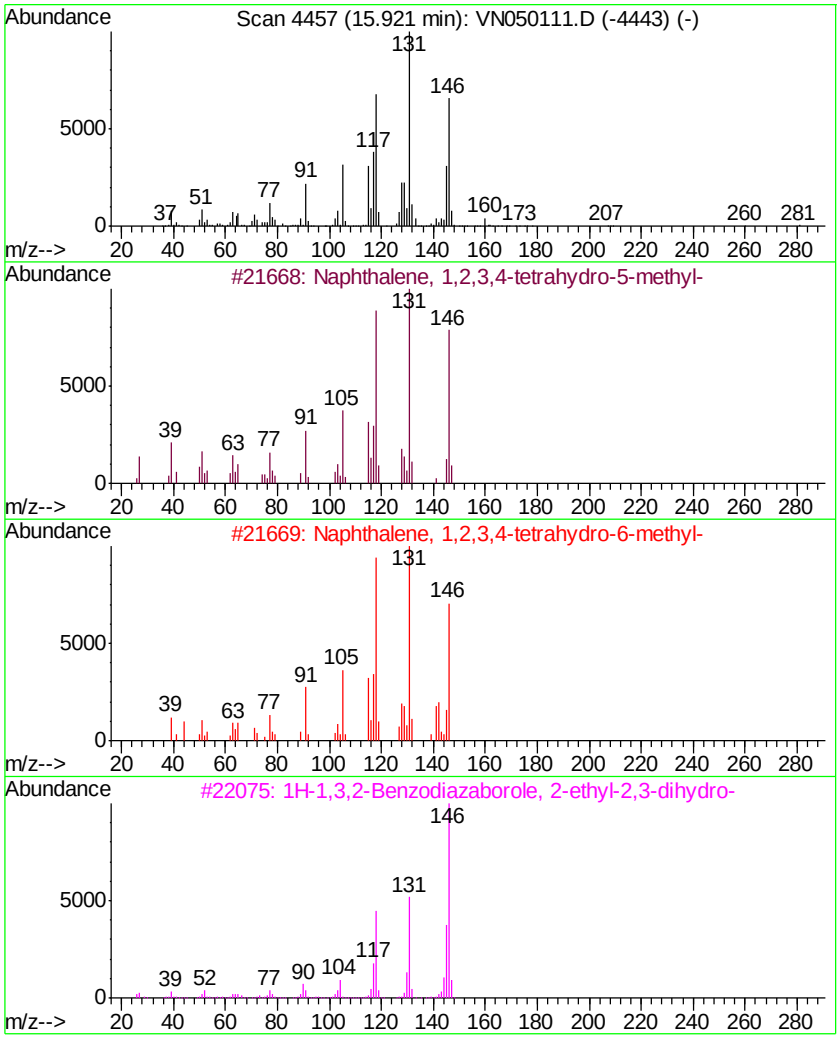
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

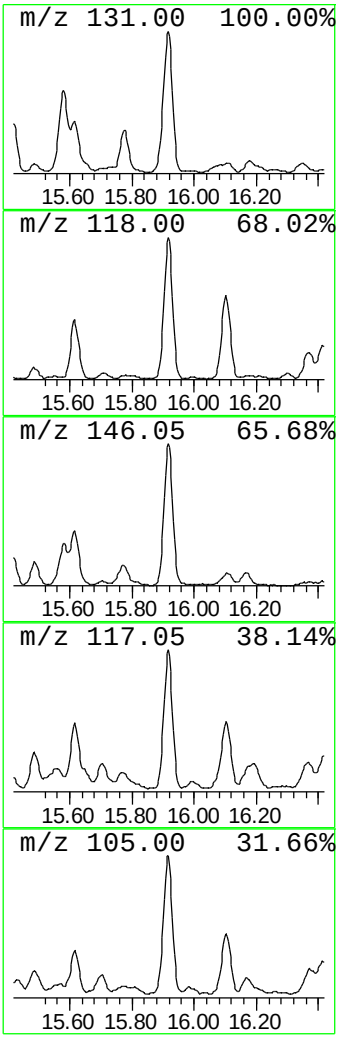
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	34.41 ug/l	1649090	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	90
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

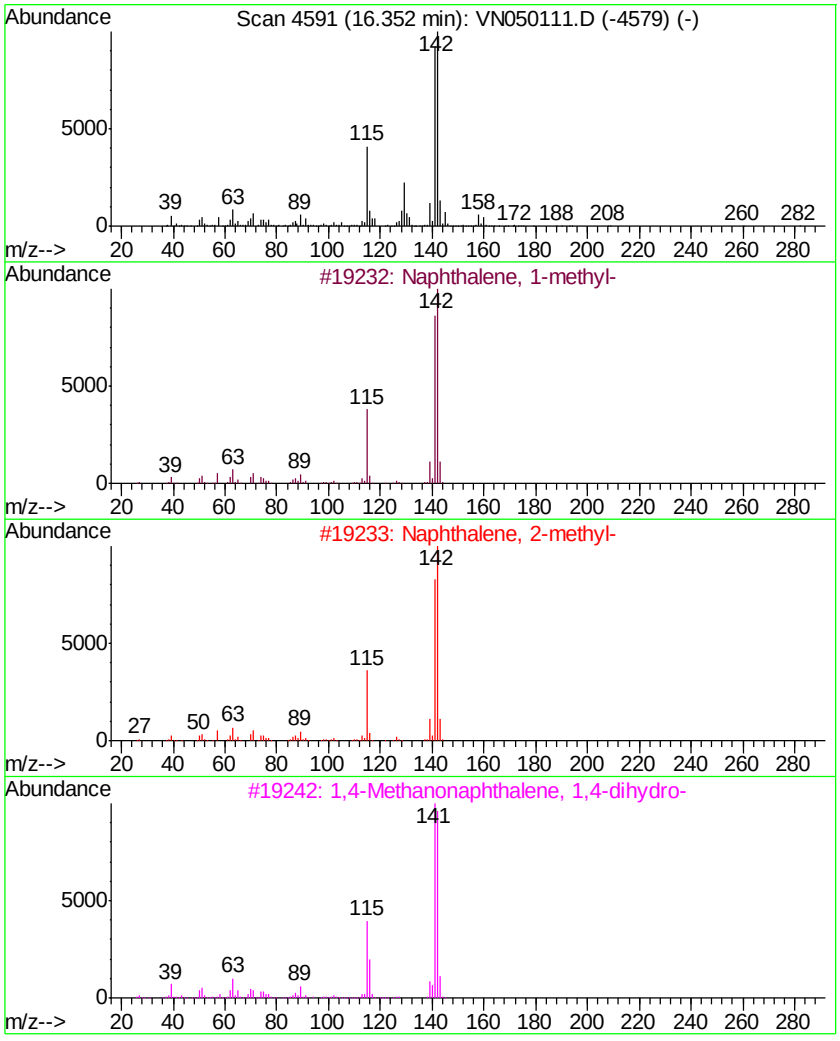
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

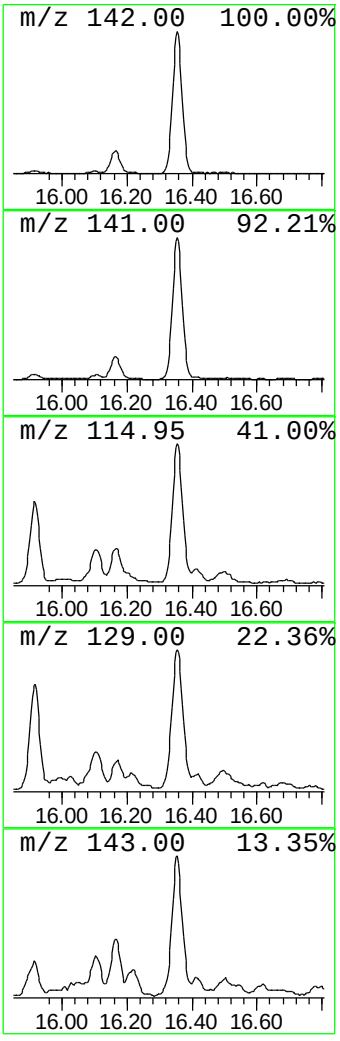
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	37.36 ug/l	1790530	1,4-Dichlorobenzene-d4	13.35

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	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050111.D
Acq On : 27 Jul 2018 4:04
Operator : MD\SY
Sample : J4163-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-14B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.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
Benzene, 4-ethyl-...	13.89	34.9	ug/l	1671590	4	13.35	2396020	50.0
Benzene, (2-methy...	13.99	59.1	ug/l	2833800	4	13.35	2396020	50.0
Benzene, 1,2,3,4-...	14.21	49.6	ug/l	2379040	4	13.35	2396020	50.0
Benzene, 1,2,4,5-...	14.58	69.7	ug/l	3340450	4	13.35	2396020	50.0
2,2-Dimethylinden...	14.96	41.0	ug/l	1964310	4	13.35	2396020	50.0
Naphthalene, 1,2,...	15.19	30.1	ug/l	1441270	4	13.35	2396020	50.0
Naphthalene, 1,2,...	15.26	36.4	ug/l	1742970	4	13.35	2396020	50.0
Naphthalene, 1,2,...	15.92	34.4	ug/l	1649090	4	13.35	2396020	50.0
Naphthalene, 1-me...	16.35	37.4	ug/l	1790530	4	13.35	2396020	50.0