LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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	47	rBV	2199530	3426830	66.90%	5.869%
2	4.082	752	775	794	rBV3	15674	54723	1.07%	0.094%
3	7.593	1848	1867	1879	rBV2	555736	1390831	27.15%	2.382%
4	7.667	1879	1890	1930	rVB	814441	1984871	38.75%	3.400%
5	8.030	1985	2003	2030	rBV	563301	1314961	25.67%	2.252%
6	8.265	2034	2076	2081	rBV4	159265	865571	16.90%	1.483%
7	8.590	2161	2177	2207	rVB	1216093	2517799	49.15%	4.312%
8	9.082	2311	2330	2344	rBV3	90893	206192	4.03%	0.353%
9	10.094	2629	2645	2673	rBV	2179182	4136732	80.76%	7.085%
10	10.265	2688	2698	2720	rVB7	33367	99066	1.93%	0.170%
11	10.435	2740	2751	2762	rVB3	70463	131819	2.57%	0.226%
12	10.532	2768	2781	2793	rBV2	41204	85640	1.67%	0.147%
13	10.953	2905	2912	2920	rVB2	88958	135263	2.64%	0.232%
14	11.008	2920	2929	2939	rVB2	98945	169180	3.30%	0.290%
15	11.213	2981	2993	3010	rVB4	44169	96758	1.89%	0.166%
16	11.409	3040	3054	3073	rBV	1558117	2800898	54.68%	4.797%
17	11.503	3073	3083	3091	rBV4	59515	116293	2.27%	0.199%
18	11.593	3103	3111	3120	rBV5	27936	51429	1.00%	0.088%
19	11.657	3121	3131	3141	rBV5	90877	188125	3.67%	0.322%
20	11.815	3171	3180	3188	rBV3	32099	57015	1.11%	0.098%
21	11.924	3200	3214	3225	rBV6	101645	269077	5.25%	0.461%
22	12.123	3268	3276	3282	rBV4	104365	164538	3.21%	0.282%
23	12.252	3307	3316	3326	rVB	248532	399649	7.80%	0.685%
24	12.339	3338	3343	3351	rVB4	52651	78112	1.52%	0.134%
25	12.403	3351	3363	3376	rBV	1438038	2448777	47.81%	4.194%
26	12.477	3377	3386	3397	rVV4	56545	114009	2.23%	0.195%
27	12.567	3405	3414	3416	rBV4	137375	189329	3.70%	0.324%
28	12.593	3417	3422	3431	rVB	280623	406731	7.94%	0.697%
29	12.734	3453	3466	3476	rBV4	229940	438379	8.56%	0.751%
30	12.872	3502	3509	3515	rBV6	48033	84685	1.65%	0.145%
31	12.962	3530	3537	3553	rVB4	176187	325902	6.36%	0.558%
32	13.043	3554	3562	3571	rVB4	56262	90804	1.77%	0.156%
33	13.175	3591	3603	3610	rBV2	139483	252422	4.93%	0.432%
34	13.345	3645	3656	3671	rBV	1516401	2479580	48.41%	4.247%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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	3680	3687	3695	rBV	167732	257690	5.03%	0.441%
36	13.515	3700	3709	3712	rVV	554635	815201	15.92%	1.396%
37	13.544	3712	3718	3726	rVV	1041853	1762341	34.41%	3.018%
38	13.586	3726	3731	3745	rVB2	461491	754198	14.72%	1.292%
39	13.673	3746	3758	3768	rBV2	761435	1354190	26.44%	2.319%
40	13.805	3793	3799	3806	rBV	118615	150361	2.94%	0.258%
41	13.892	3816	3826	3835	rVB	1260127	1891371	36.92%	3.239%
42	13.946	3836	3843	3849	rBV	208967	323064	6.31%	0.553%
43	13.995	3849	3858	3868	rVB3	1308783	2184460	42.65%	3.741%
44	14.052	3869	3876	3890	rVB6	167966	413593	8.07%	0.708%
45	14.133	3891	3901	3908	rBV	198141	347978	6.79%	0.596%
46	14.181	3908	3916	3919	rBV5	198954	298973	5.84%	0.512%
47	14.210	3920	3925	3932	rVV	528087	814976	15.91%	1.396%
48	14.249	3932	3937	3945	rVB	527342	736125	14.37%	1.261%
49	14.297	3945	3952	3958	rBV2	356073	500874	9.78%	0.858%
50	14.332	3959	3963	3969	rVB4	158336	178785	3.49%	0.306%
51	14.419	3982	3990	4001	rVB3	389560	721663	14.09%	1.236%
52	14.480	4001	4009	4017	rBV3	266705	458716	8.96%	0.786%
53	14.528	4017	4024	4031	rVB	472071	640842	12.51%	1.098%
54	14.586	4031	4042	4055	rBV3	2739119	5122208	100.00%	8.773%
55	14.650	4055	4062	4073	rVB4	289435	535726	10.46%	0.918%
56	14.856	4117	4126	4130	rBV5	473931	751322	14.67%	1.287%
57	14.959	4148	4158	4172	rVB3	797413	1689713	32.99%	2.894%
58	15.094	4193	4200	4205	rBV	236224	375249	7.33%	0.643%
59	15.191	4222	4230	4239	rBV	514462	857755	16.75%	1.469%
60	15.265	4240	4253	4269	rVB4	525800	1599750	31.23%	2.740%
61	15.416	4292	4300	4313	rBV3	119798	266337	5.20%	0.456%
62	15.618	4356	4363	4378	rVB	673956	1200236	23.43%	2.056%
63	15.702	4383	4389	4399	rVB3	165628	273281	5.34%	0.468%
64	15.917	4443	4456	4475	rBV2	833033	1700427	33.20%	2.912%
65	16.104	4504	4514	4525	rBV2	288582	556864	10.87%	0.954%
66	16.168	4526	4534	4543	rVV2	166688	283339	5.53%	0.485%
67	16.355	4580	4592	4604	rBV4	416310	995660	19.44%	1.705%

Sum of corrected areas: 58385258

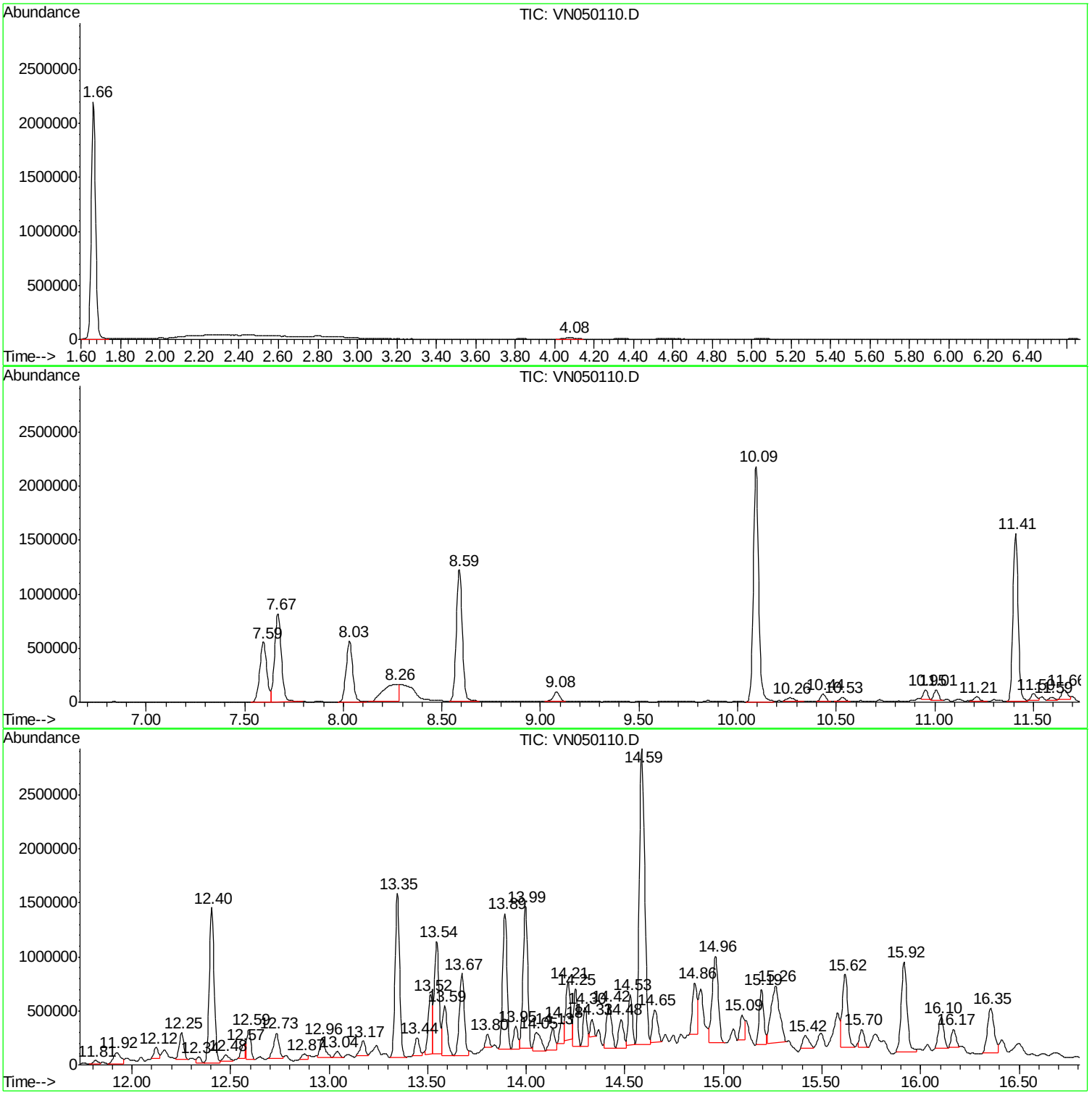
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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 : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

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

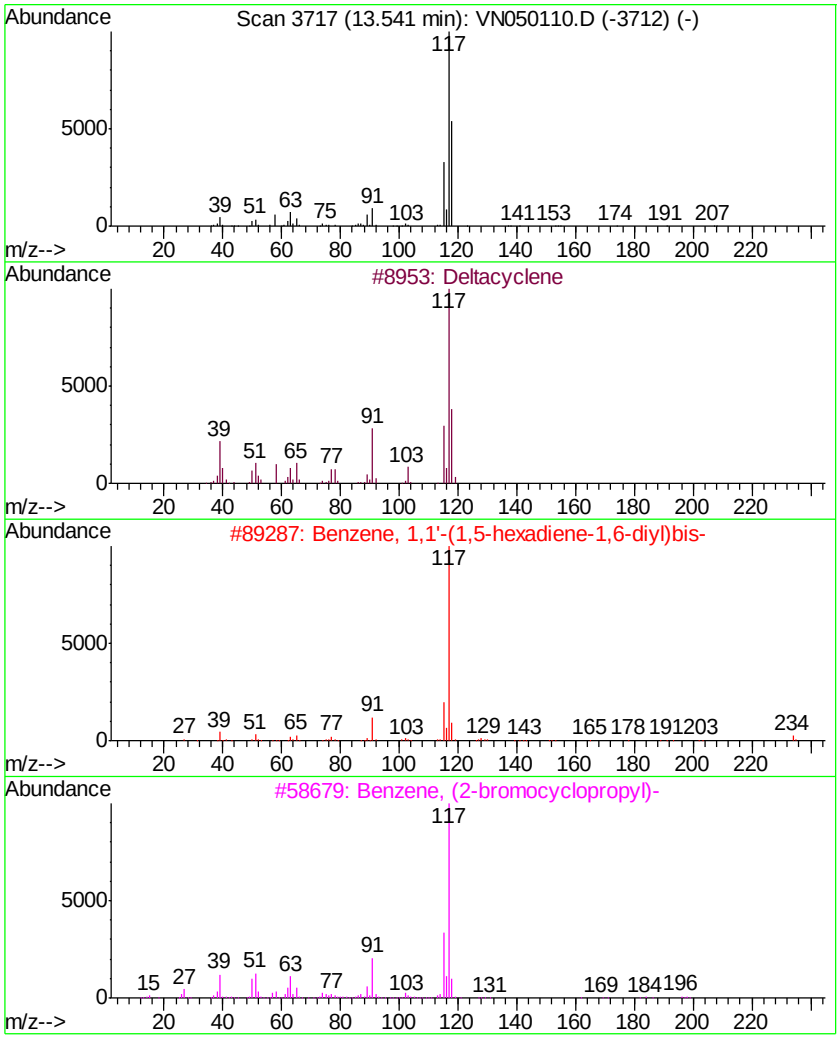
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

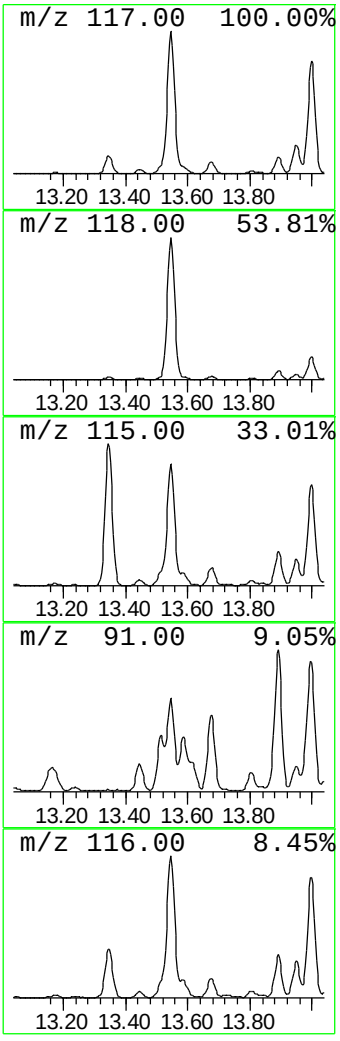
****

Peak Number 2 Deltacyclene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	35.54 ug/l	1762340	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Deltacyclene	118	C9H10	007785-10-6	64
2	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
4	Indole	117	C8H7N	000120-72-9	43
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

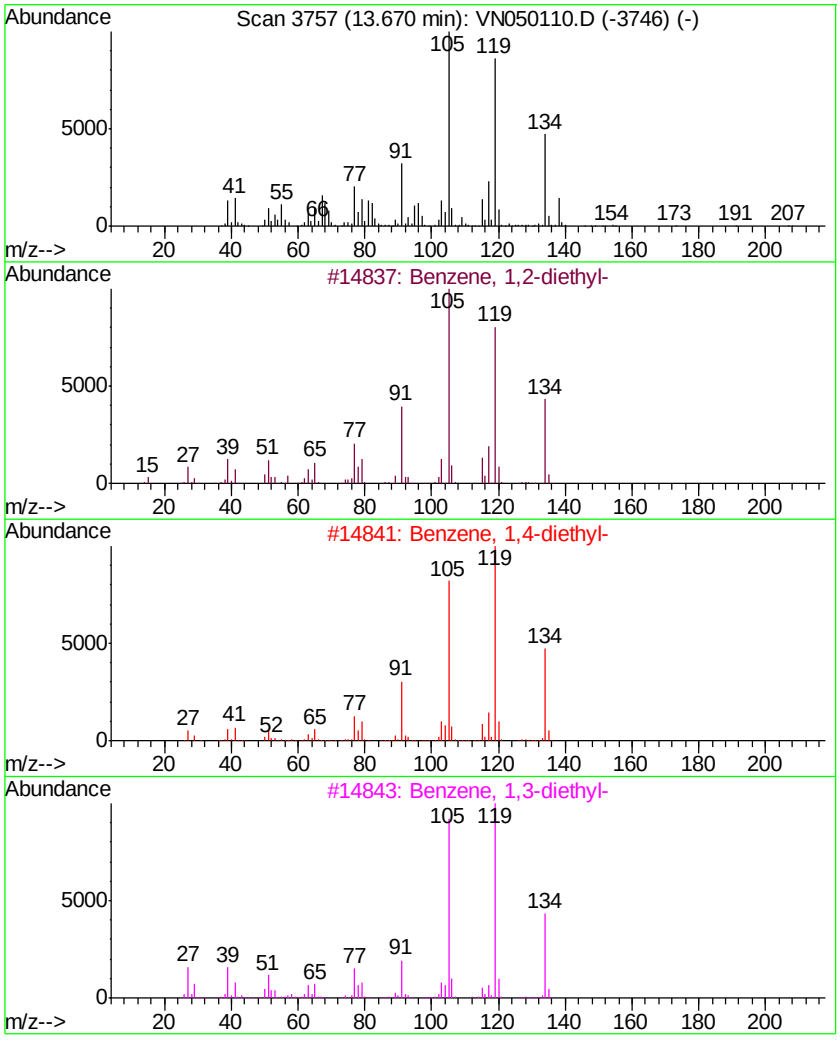
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

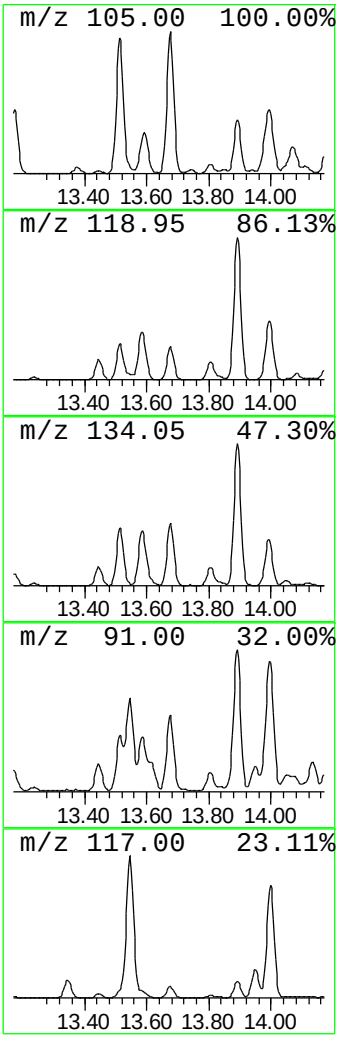
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	27.31 ug/l	1354190	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	74
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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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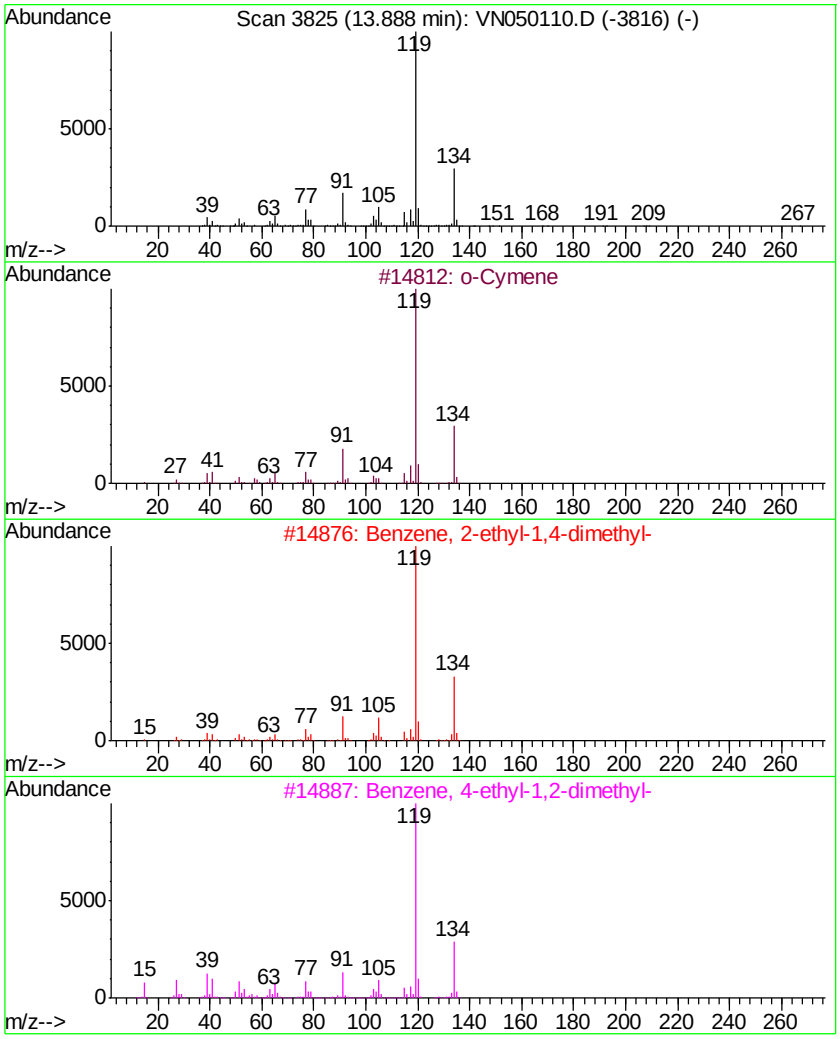
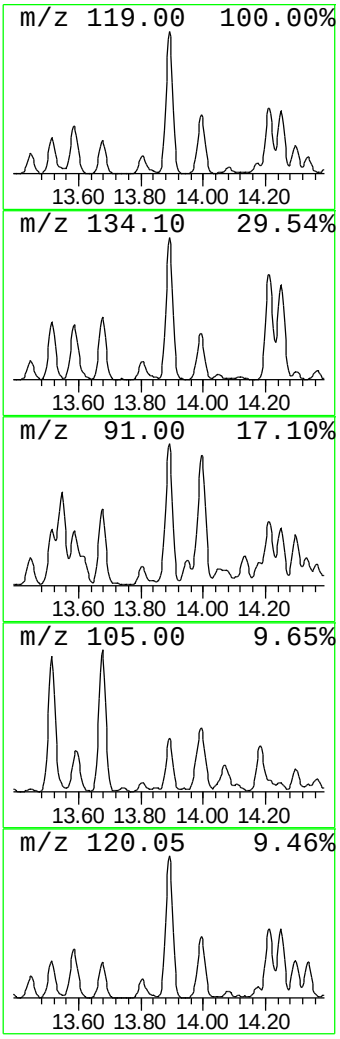
Peak Number 4 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	38.14 ug/l	1891370	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

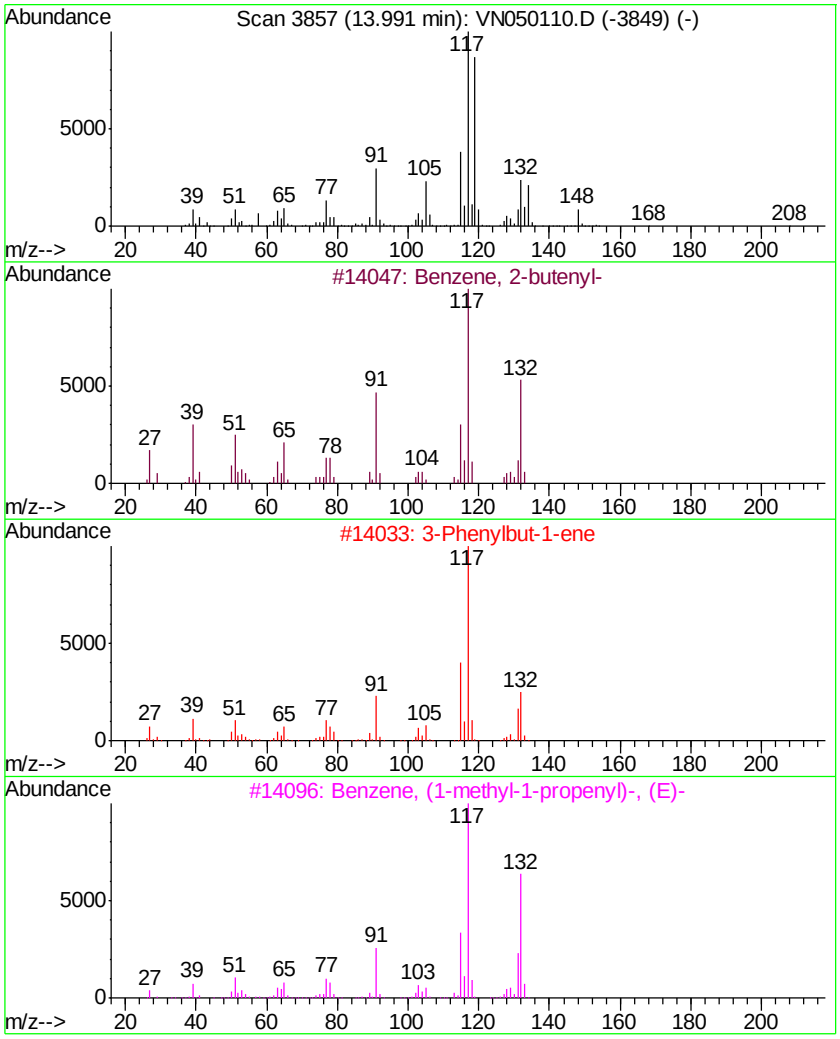
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

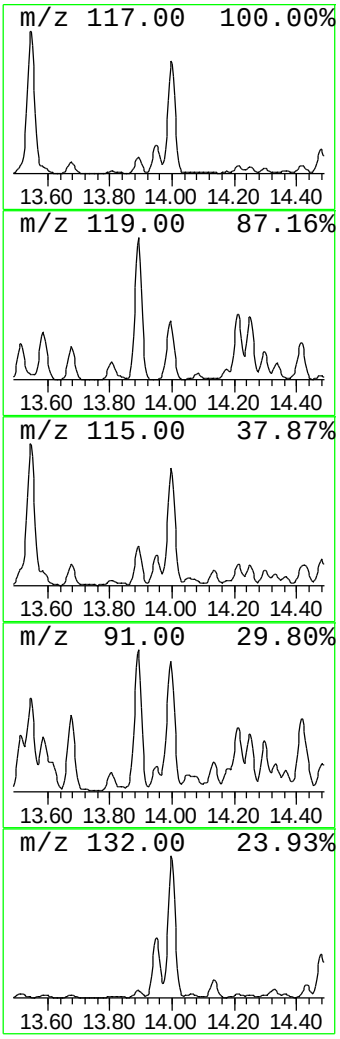
****

Peak Number 5 Benzene, 2-butenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	44.05 ug/l	2184460	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

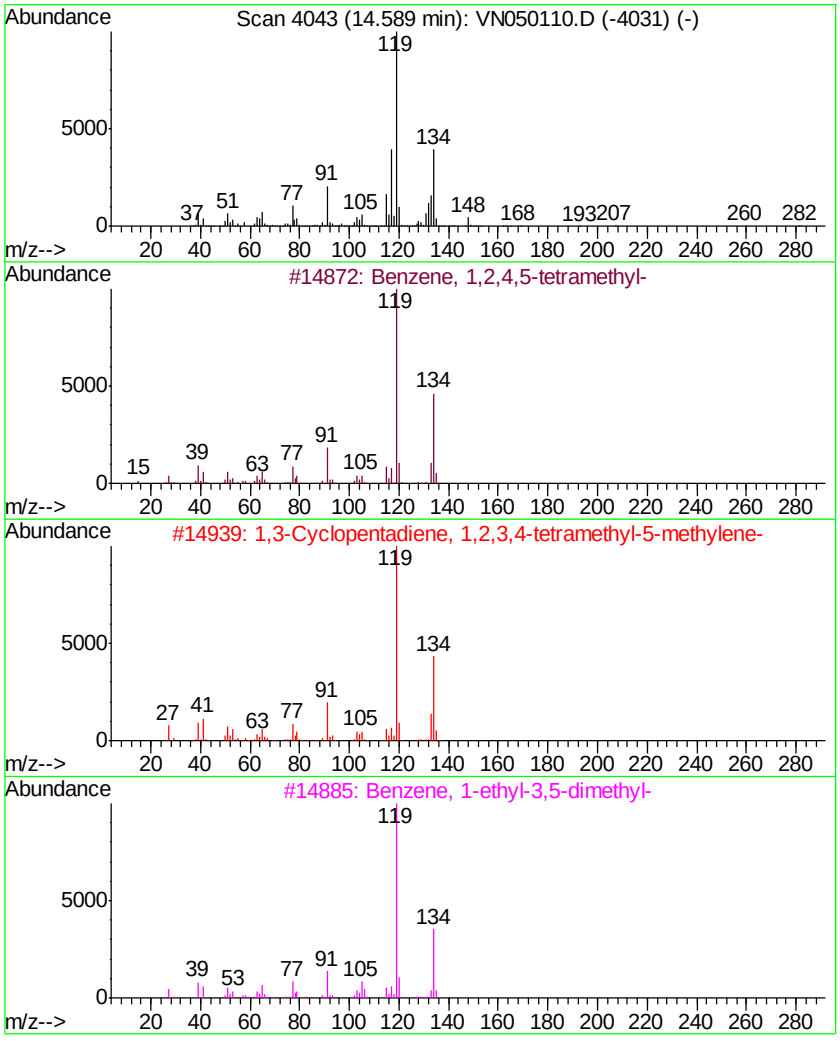
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

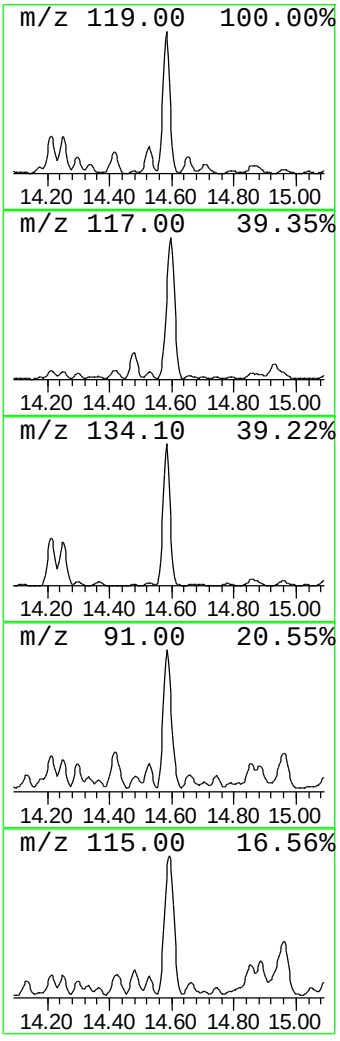
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	103.29 ug/l	5122210	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	94
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

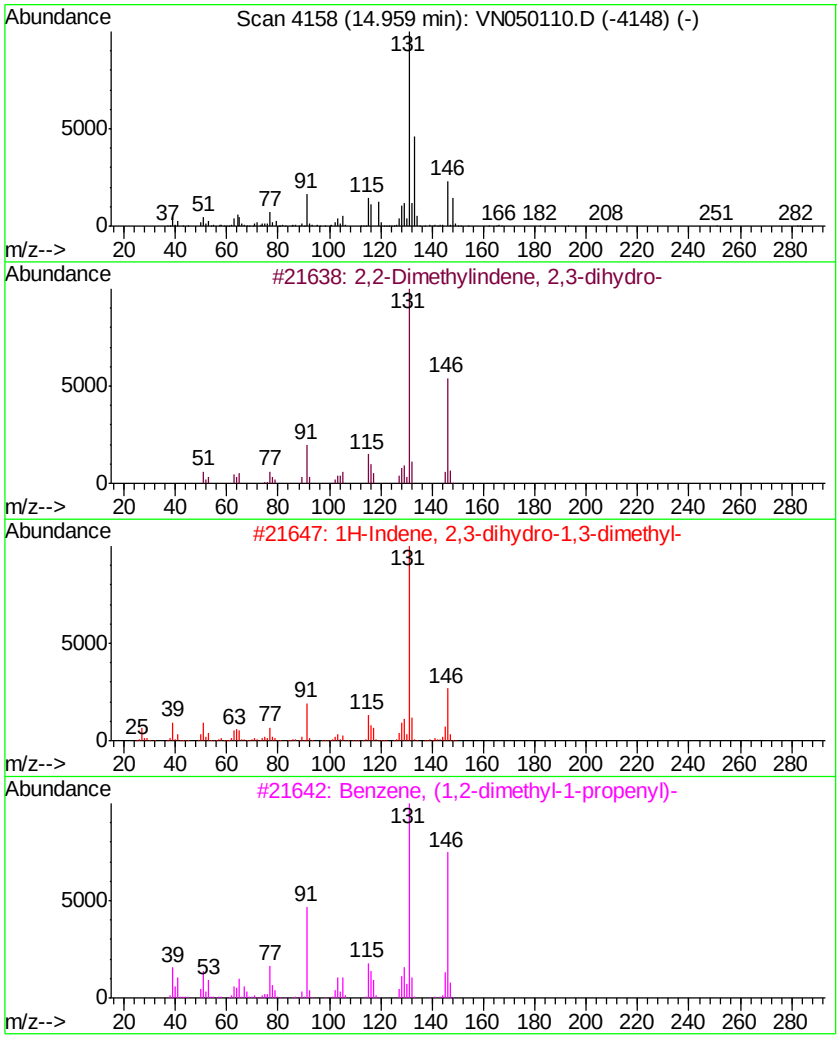
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

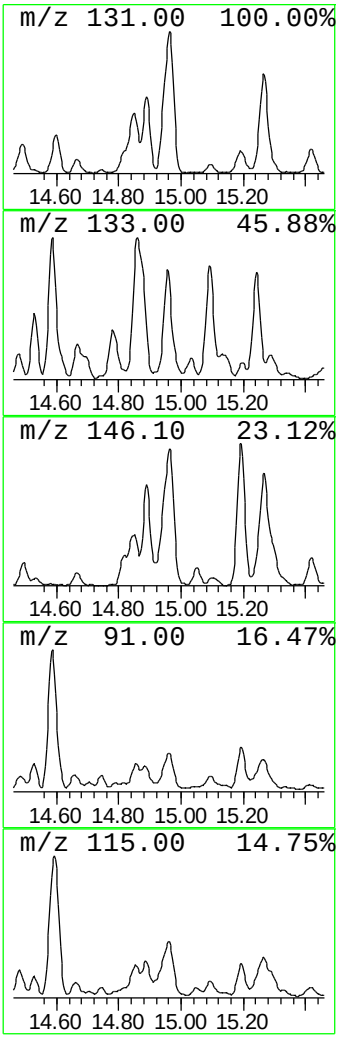
****

Peak Number 7 2,2-Dimethylindene, 2,3-dih... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	34.07 ug/l	1689710	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	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

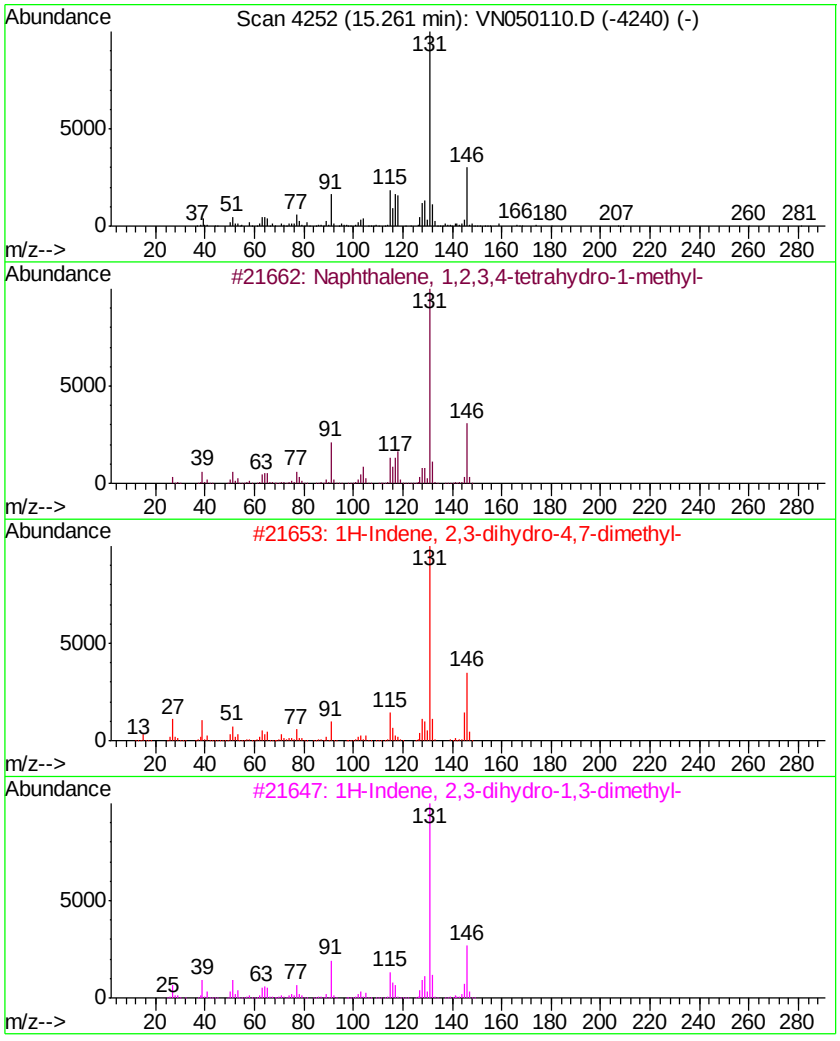
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

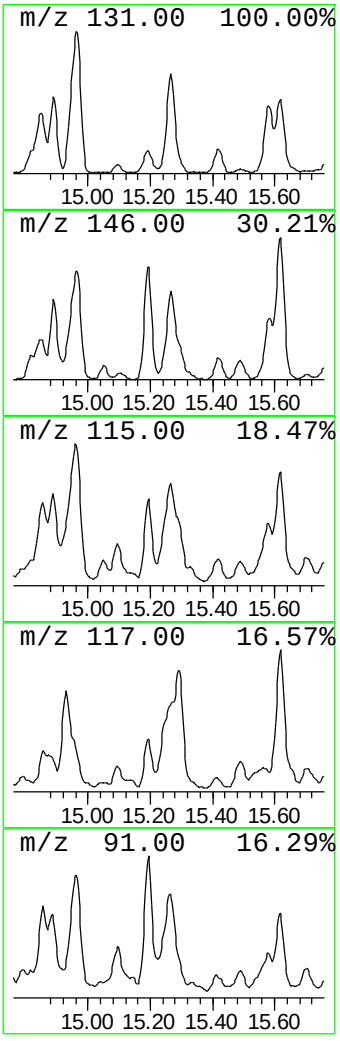
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	32.26 ug/l	1599750	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	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83





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Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

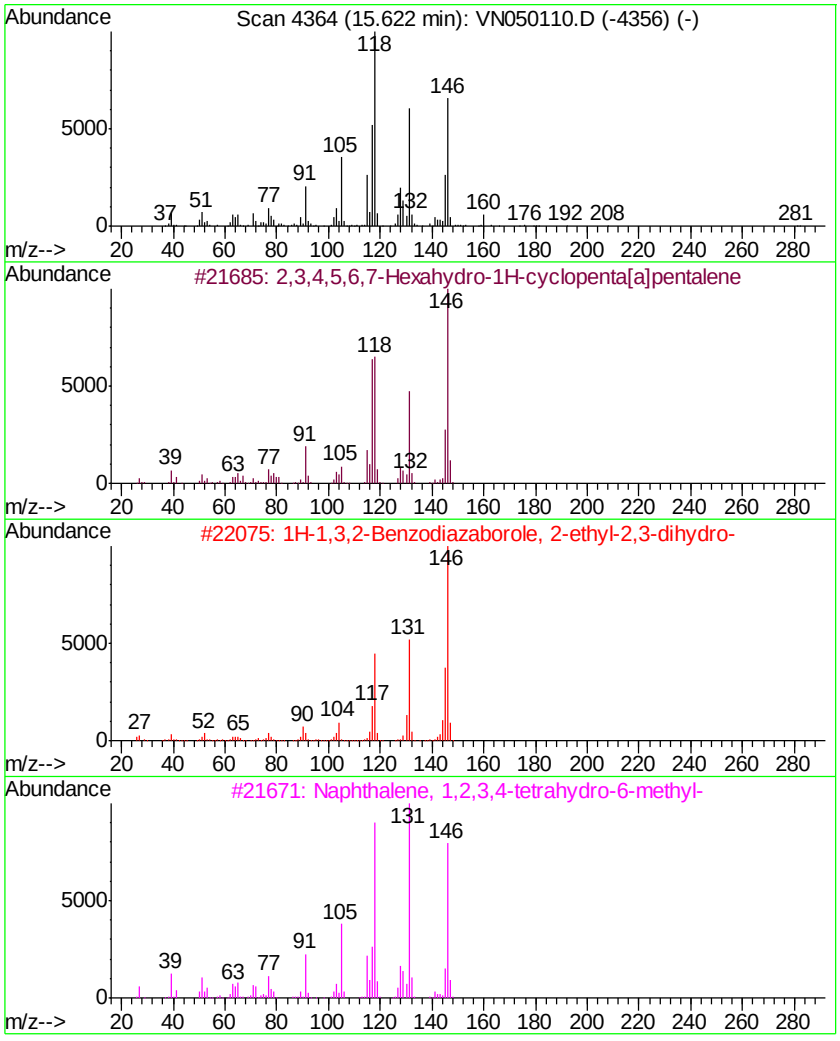
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

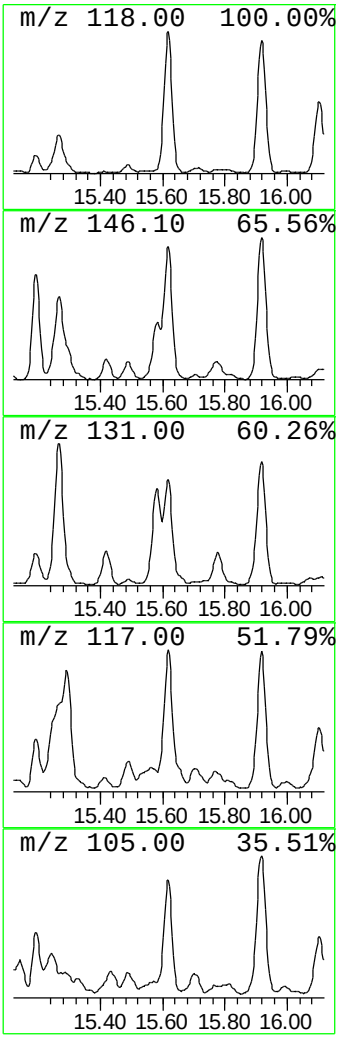
****

Peak Number 9 2,3,4,5,6,7-Hexahydro-1H-cy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	24.20 ug/l	1200240	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
2	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	62
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	58
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	52
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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

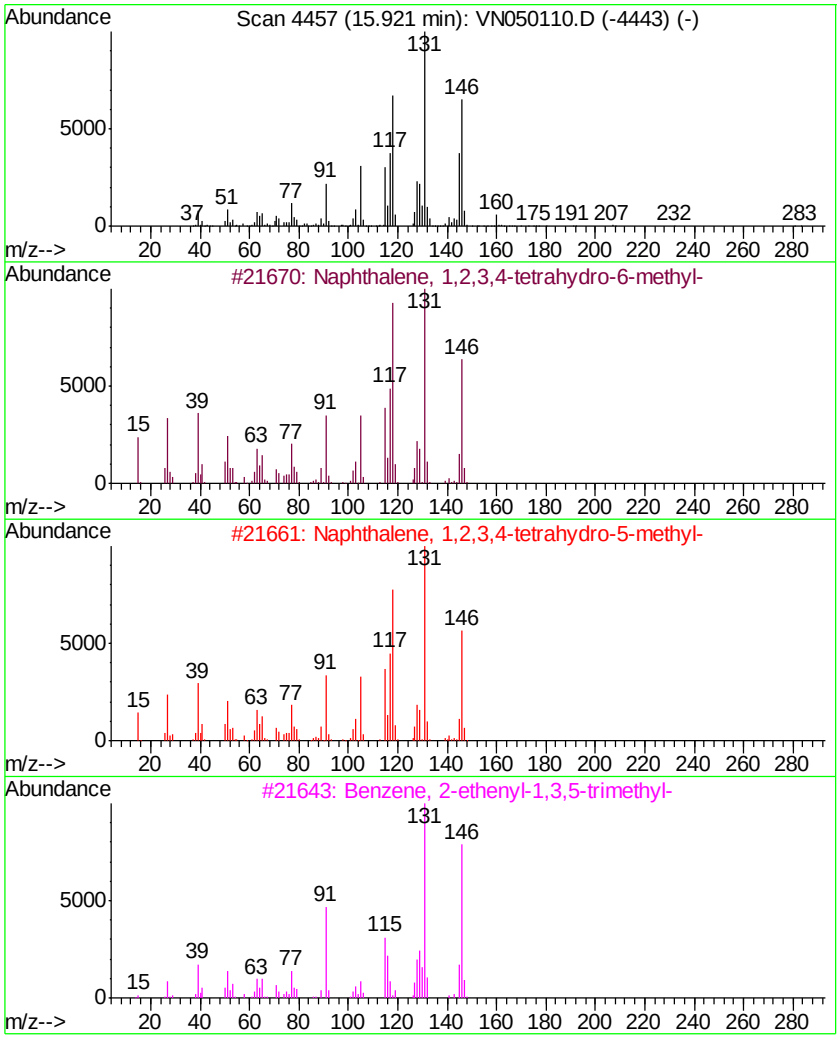
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

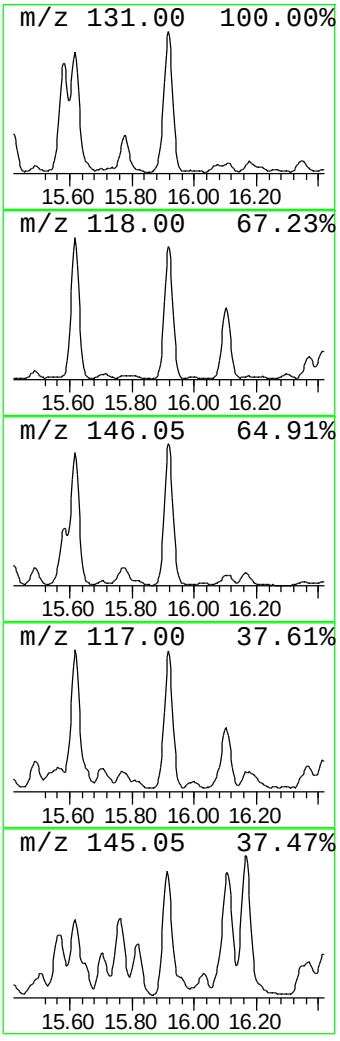
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	34.29 ug/l	1700430	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	68
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072618\
Data File : VN050110.D
Acq On : 27 Jul 2018 3:39
Operator : MD\SY
Sample : J4163-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-11

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
Deltacyclene	13.54	35.5	ug/l	1762340	4	13.35	2479580	50.0
Benzene, 1,2-diet...	13.67	27.3	ug/l	1354190	4	13.35	2479580	50.0
o-Cymene	13.89	38.1	ug/l	1891370	4	13.35	2479580	50.0
Benzene, 2-butenyl-	13.99	44.0	ug/l	2184460	4	13.35	2479580	50.0
Benzene, 1,2,4,5-...	14.59	103.3	ug/l	5122210	4	13.35	2479580	50.0
2,2-Dimethylinden...	14.96	34.1	ug/l	1689710	4	13.35	2479580	50.0
Naphthalene, 1,2,...	15.26	32.3	ug/l	1599750	4	13.35	2479580	50.0
2,3,4,5,6,7-Hexah...	15.62	24.2	ug/l	1200240	4	13.35	2479580	50.0
Naphthalene, 1,2,...	15.92	34.3	ug/l	1700430	4	13.35	2479580	50.0