LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

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\82N080618W.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	1.657	3	21	59	rBV	4786441	8080166	86.43%	7.996%
2	2.802	363	377	392	rBV	261506	522942	5.59%	0.517%
3	3.137	467	481	507	rVB4	42264	123056	1.32%	0.122%
4	4.072	753	772	791	rBV2	37297	110764	1.18%	0.110%
5	4.535	896	916	921	rBV3	43265	118881	1.27%	0.118%
6	5.056	1053	1078	1112	rBV2	92744	338068	3.62%	0.335%
7	6.632	1548	1568	1586	rBV3	157918	490947	5.25%	0.486%
8	7.593	1844	1867	1878	rBV	585589	1473107	15.76%	1.458%
9	7.667	1878	1890	1906	rVB	960712	2300852	24.61%	2.277%
10	8.033	1985	2004	2027	rBV2	737799	1898961	20.31%	1.879%
11	8.162	2029	2044	2055	rBV8	63593	175561	1.88%	0.174%
12	8.300	2078	2087	2114	rVB7	51501	151237	1.62%	0.150%
13	8.586	2159	2176	2202	rBV	1260539	2704296	28.93%	2.676%
14	9.082	2305	2330	2344	rBV3	169328	469700	5.02%	0.465%
15	9.615	2482	2496	2504	rBV2	61617	126216	1.35%	0.125%
16	10.091	2629	2644	2675	rBV	2289321	4328311	46.30%	4.283%
17	10.258	2687	2696	2718	rVB8	39820	139400	1.49%	0.138%
18	10.432	2740	2750	2762	rVB3	65362	119729	1.28%	0.118%
19	10.525	2766	2779	2795	rVB6	74648	164128	1.76%	0.162%
20	11.410	3038	3054	3072	rBV	1627244	2897927	31.00%	2.868%
21	11.500	3073	3082	3093	rVB2	52532	96645	1.03%	0.096%
22	11.654	3119	3130	3153	rVB9	51094	138842	1.49%	0.137%
23	12.249	3304	3315	3329	rVB	603073	975906	10.44%	0.966%
24	12.403	3350	3363	3377	rBV	1500004	2513918	26.89%	2.488%
25	12.593	3406	3422	3436	rVB	1170973	1931461	20.66%	1.911%
26	13.171	3587	3602	3614	rBV2	432217	819828	8.77%	0.811%
27	13.345	3643	3656	3671	rVB	1635520	2689571	28.77%	2.661%
28	13.445	3676	3687	3697	rVV	157426	249980	2.67%	0.247%
29	13.516	3697	3709	3710	rVV	937257	1157682	12.38%	1.146%
30	13.544	3711	3718	3728	rVV	3665333	6030676	64.51%	5.968%
31	13.593	3728	3733	3748	rVV2	384611	834393	8.93%	0.826%
32	13.673	3748	3758	3770	rVB	486733	818238	8.75%	0.810%
33	13.889	3814	3825	3834	rBV	1377119	2045972	21.89%	2.025%
34	13.946	3834	3843	3849	rVV	813523	1285350	13.75%	1.272%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

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\82N080618W.M
Title : SW846 8260

35	13.995	3849	3858	3871	rVB2	2477454	4158493	44.48%	4.115%
36	14.069	3873	3881	3889	rVB4	87620	138944	1.49%	0.137%
37	14.133	3889	3901	3908	rBV	217758	354150	3.79%	0.350%
38	14.210	3909	3925	3942	rVB	2035747	3393413	36.30%	3.358%
39	14.294	3942	3951	3957	rBV2	237262	368086	3.94%	0.364%
40	14.364	3967	3973	3979	rBV	120757	146225	1.56%	0.145%
41	14.425	3980	3992	4000	rVV3	327906	666869	7.13%	0.660%
42	14.477	4000	4008	4018	rVV2	1187193	1956765	20.93%	1.936%
43	14.525	4019	4023	4031	rVB3	191889	245339	2.62%	0.243%
44	14.593	4031	4044	4056	rBV3	4931458	9348347	100.00%	9.251%
45	14.657	4056	4064	4074	rVB4	403874	710536	7.60%	0.703%
46	14.741	4085	4090	4097	rVB2	96142	127508	1.36%	0.126%
47	14.853	4098	4125	4131	rBV4	1264237	3122970	33.41%	3.090%
48	14.885	4131	4135	4144	rVV	829148	1330398	14.23%	1.316%
49	14.959	4146	4158	4177	rVB2	1584361	3498106	37.42%	3.462%
50	15.046	4179	4185	4192	rBV2	86747	121940	1.30%	0.121%
51	15.094	4192	4200	4211	rBV3	163923	274117	2.93%	0.271%
52	15.191	4219	4230	4238	rBV	971040	1625630	17.39%	1.609%
53	15.261	4238	4252	4259	rBV3	727849	1974811	21.12%	1.954%
54	15.419	4288	4301	4312	rBV	904937	1628907	17.42%	1.612%
55	15.487	4314	4322	4332	rVB4	129001	234345	2.51%	0.232%
56	15.580	4334	4351	4357	rBV3	799020	1827717	19.55%	1.809%
57	15.699	4379	4388	4398	rBV	394623	745048	7.97%	0.737%
58	15.773	4399	4411	4422	rVB3	569737	1240040	13.26%	1.227%
59	15.914	4440	4455	4495	rBV	1424825	3168588	33.89%	3.135%
60	16.104	4496	4514	4523	rVV4	588042	1449280	15.50%	1.434%
61	16.162	4523	4532	4558	rVB	809045	1986559	21.25%	1.966%
62	16.355	4576	4592	4606	rBV	2955417	6502868	69.56%	6.435%
63	16.493	4626	4635	4650	rVB4	160805	387708	4.15%	0.384%

Sum of corrected areas: 101056418

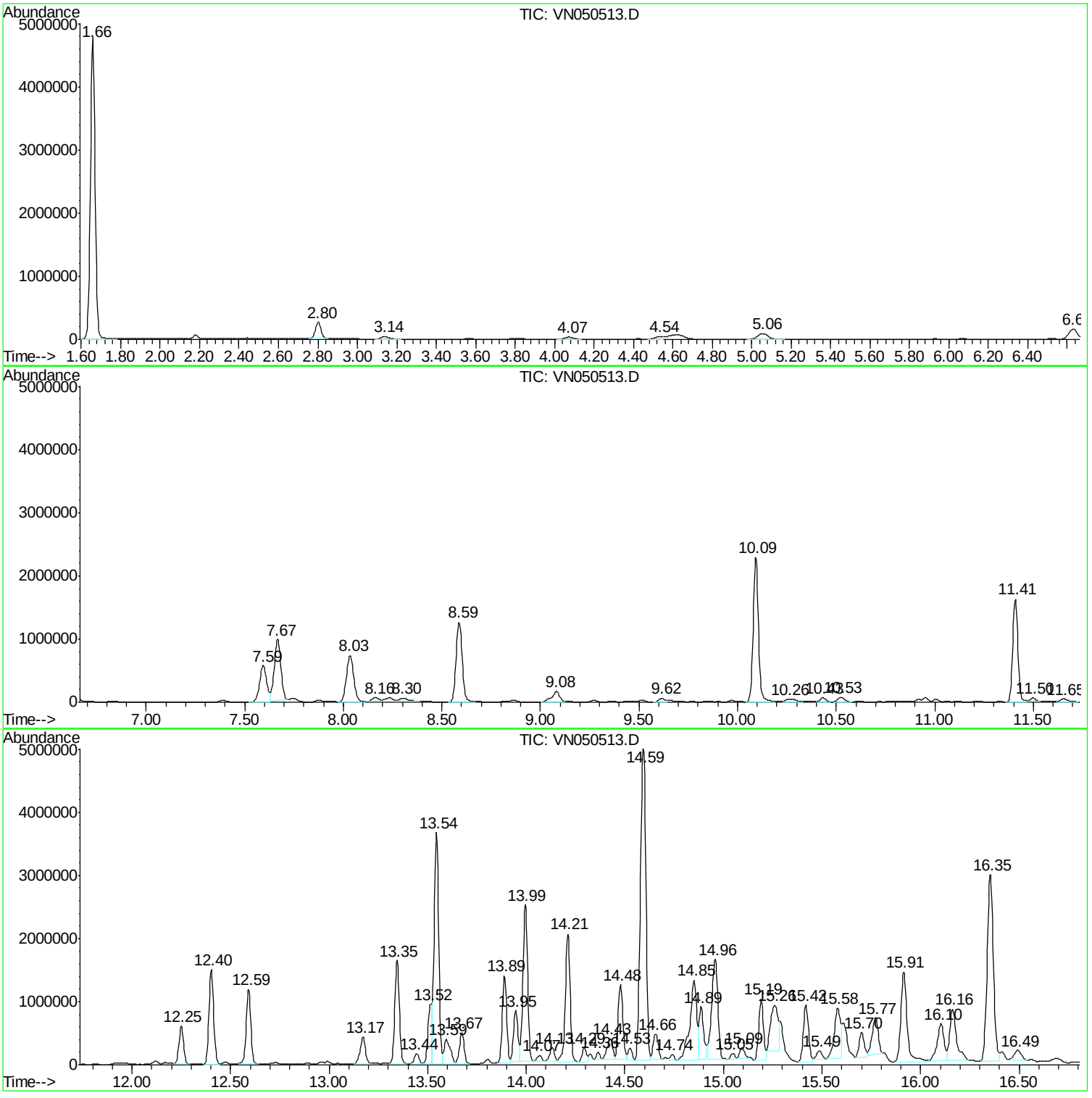
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.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\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

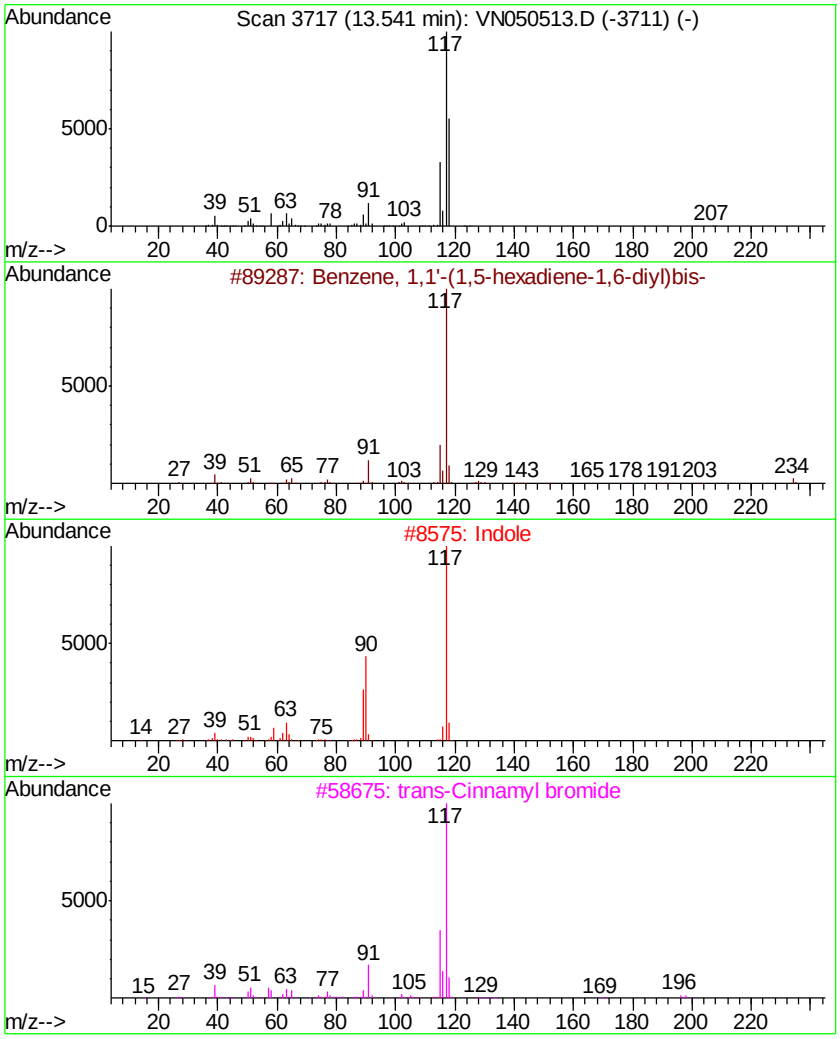
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

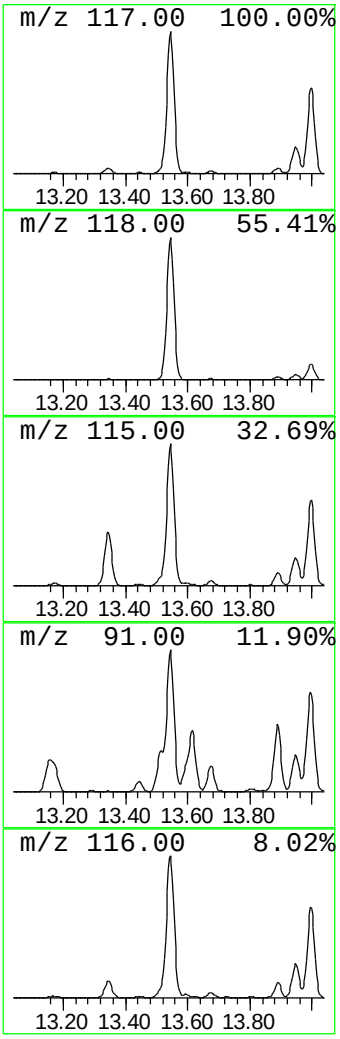
****

Peak Number 2 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	112.11 ug/l	6030680	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	Indole	117	C8H7N	000120-72-9	46
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	36
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

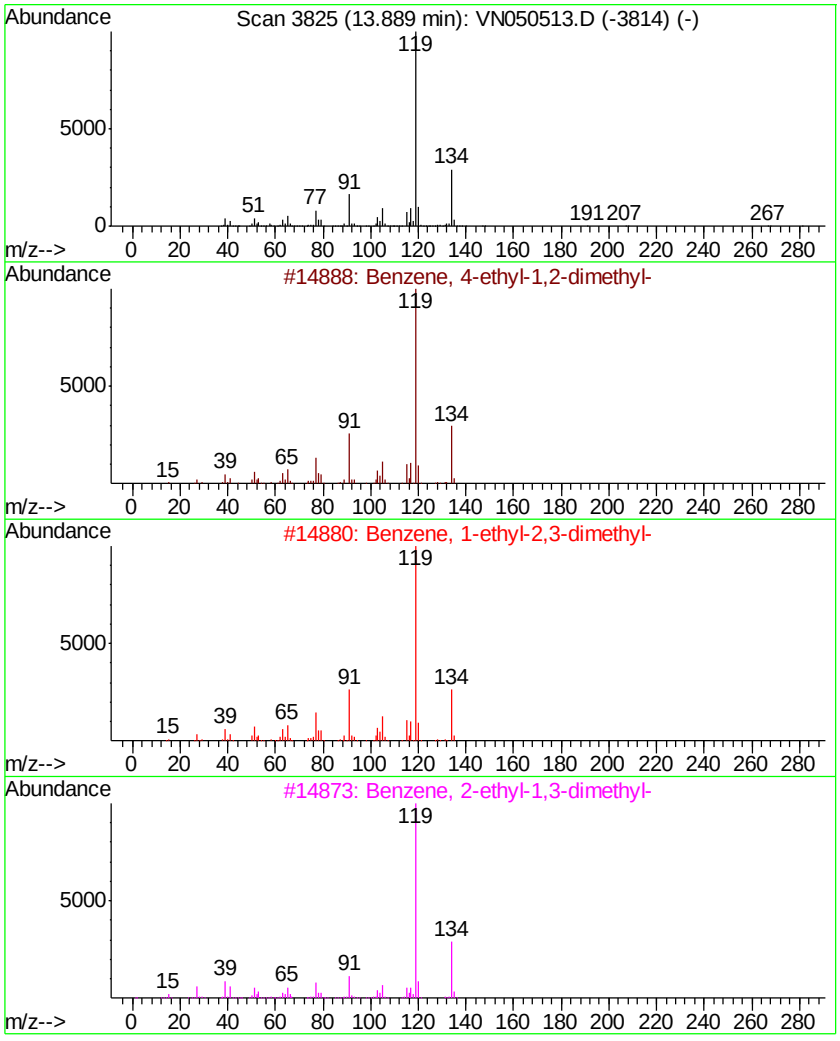
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

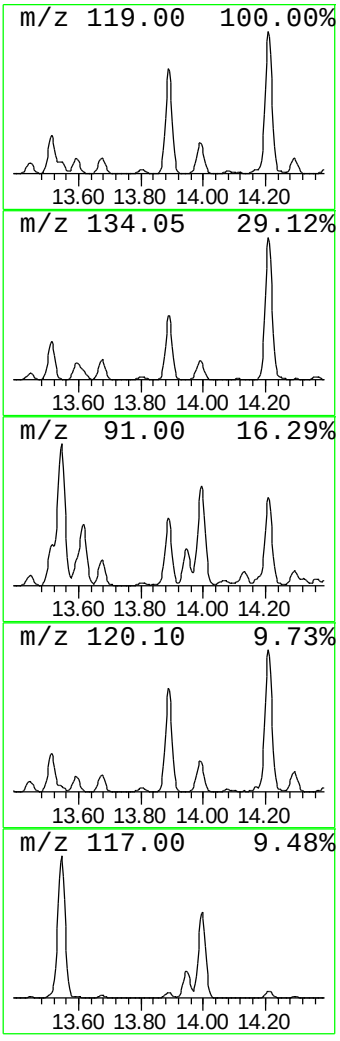
****

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	38.04 ug/l	2045970	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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

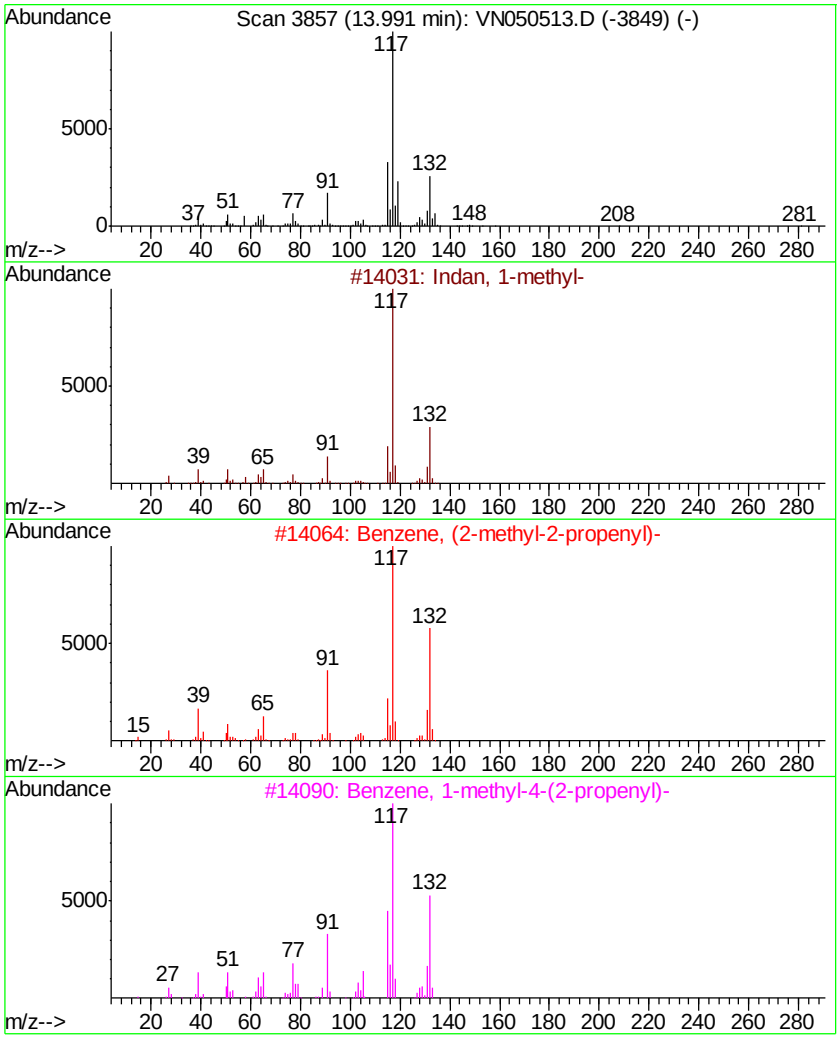
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

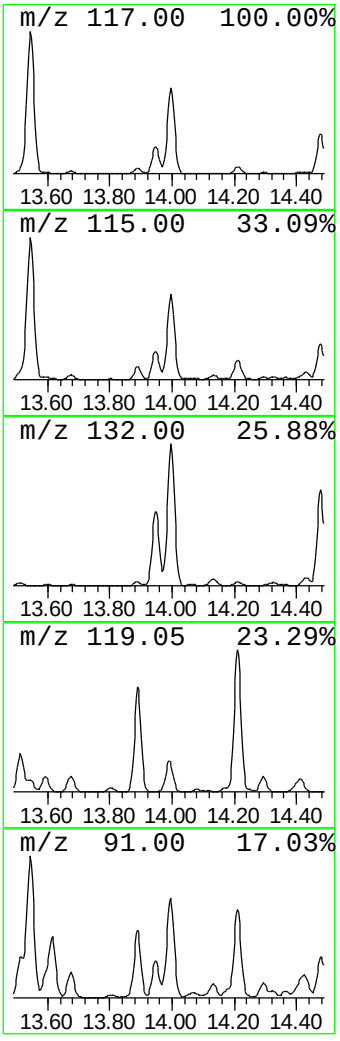
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	77.31 ug/l	4158490	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	74
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

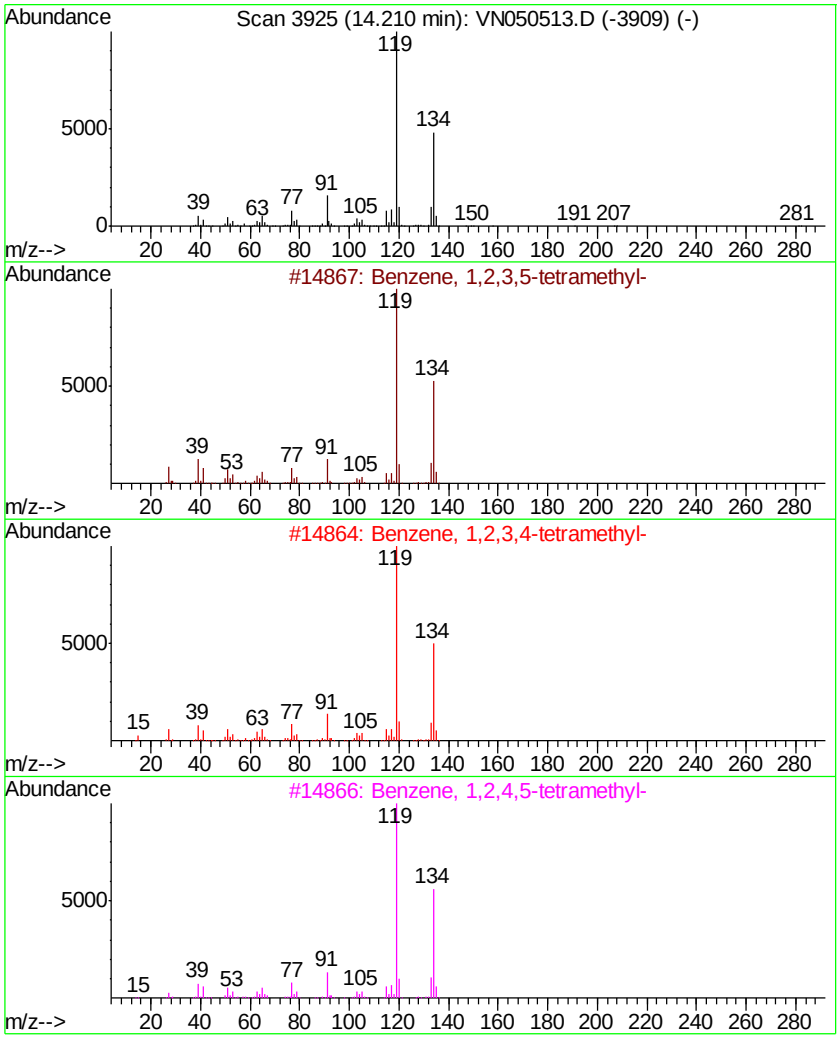
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

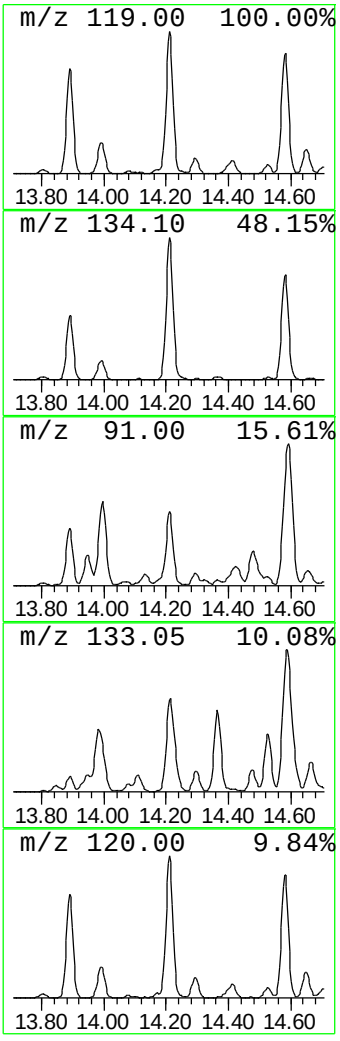
****

Peak Number 5 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	63.08 ug/l	3393410	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
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Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

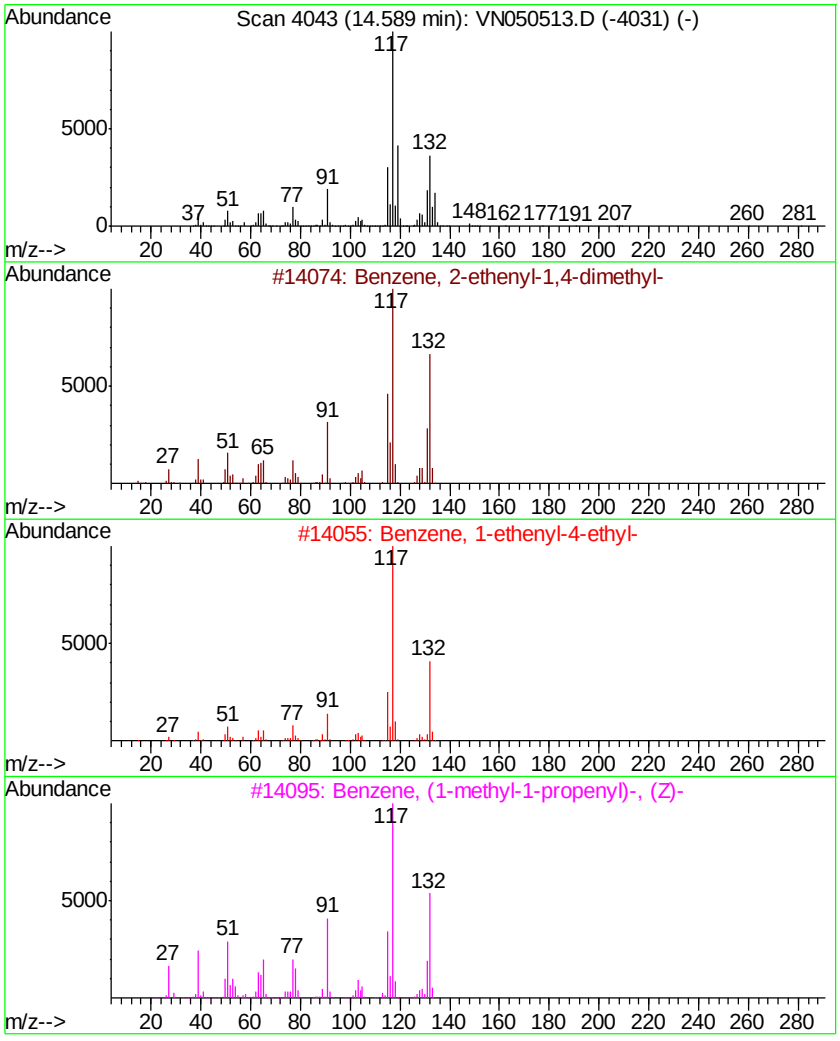
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

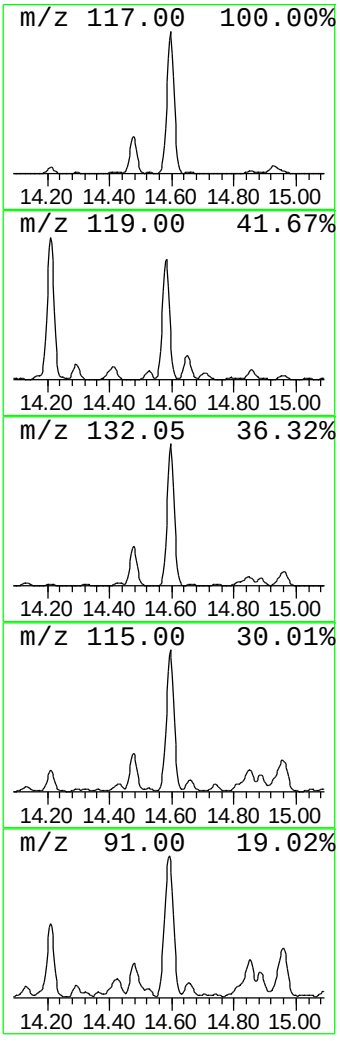
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	173.79 ug/l	9348350	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81





Library Search Compound Report

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Operator : MD\SY
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

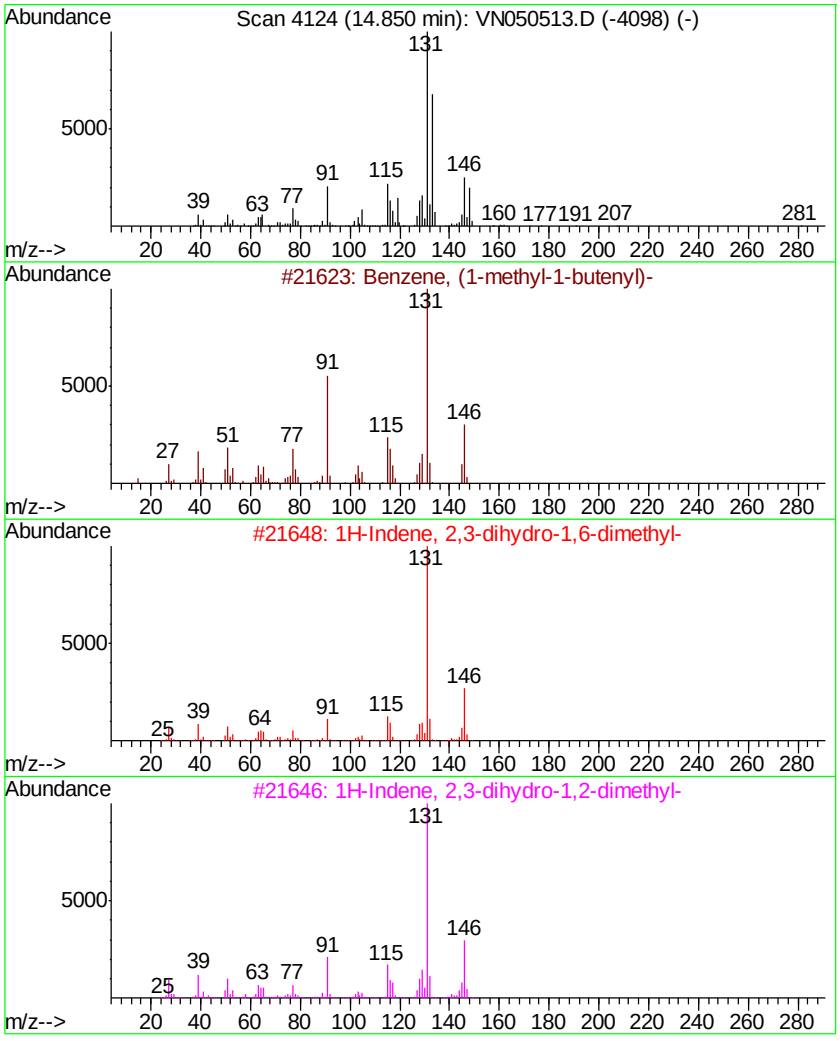
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

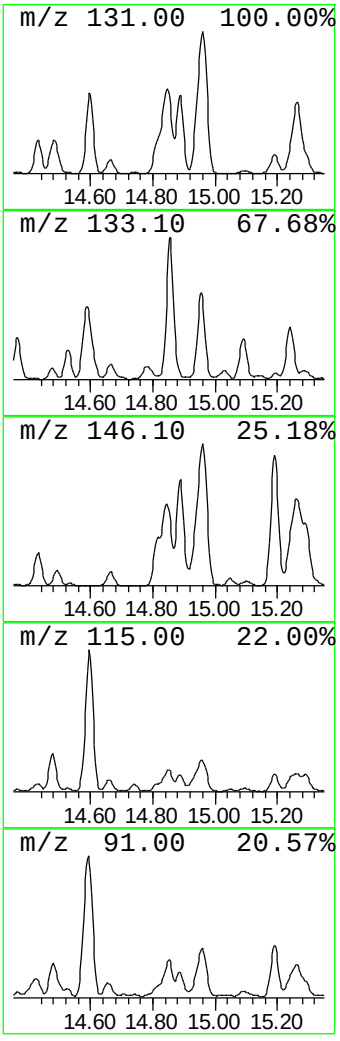
****

Peak Number 7 Benzene, (1-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	58.06 ug/l	3122970	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

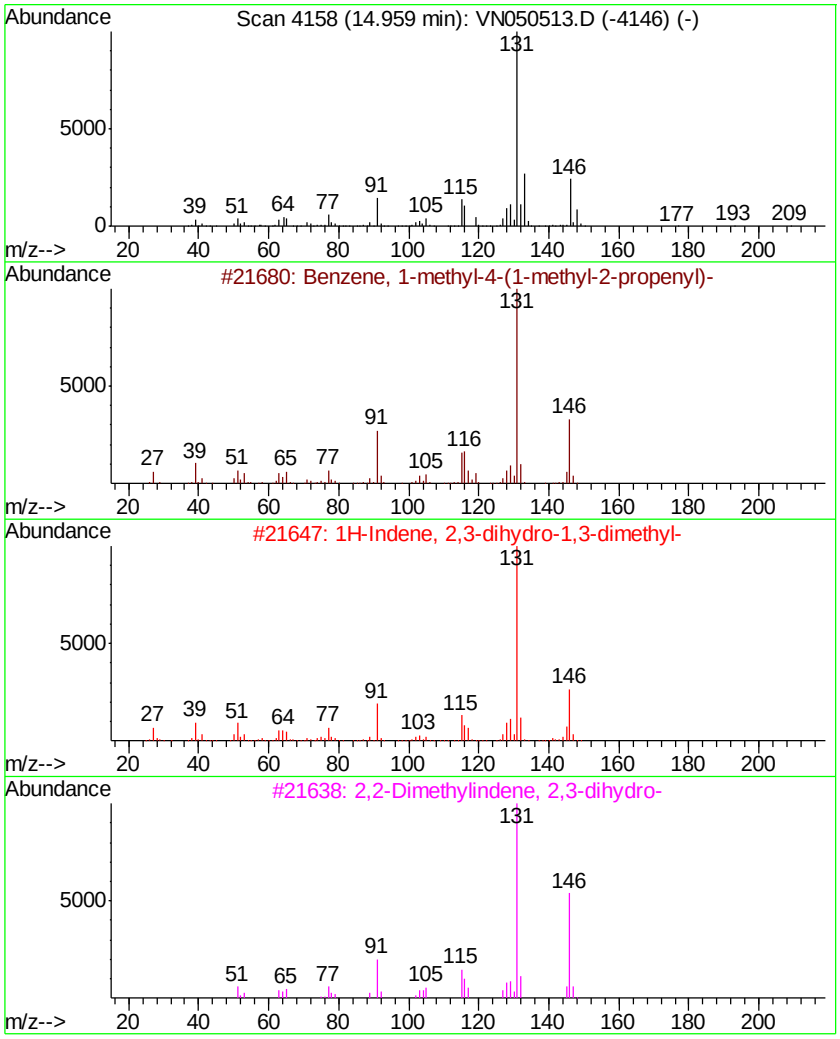
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

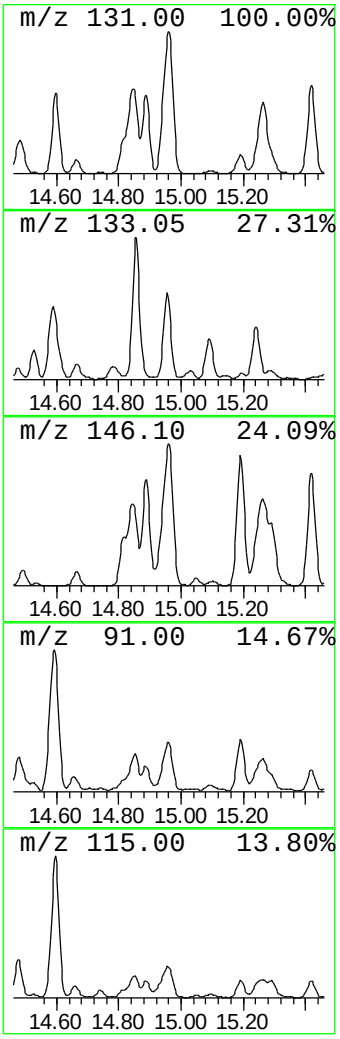
****

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	65.03 ug/l	3498110	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

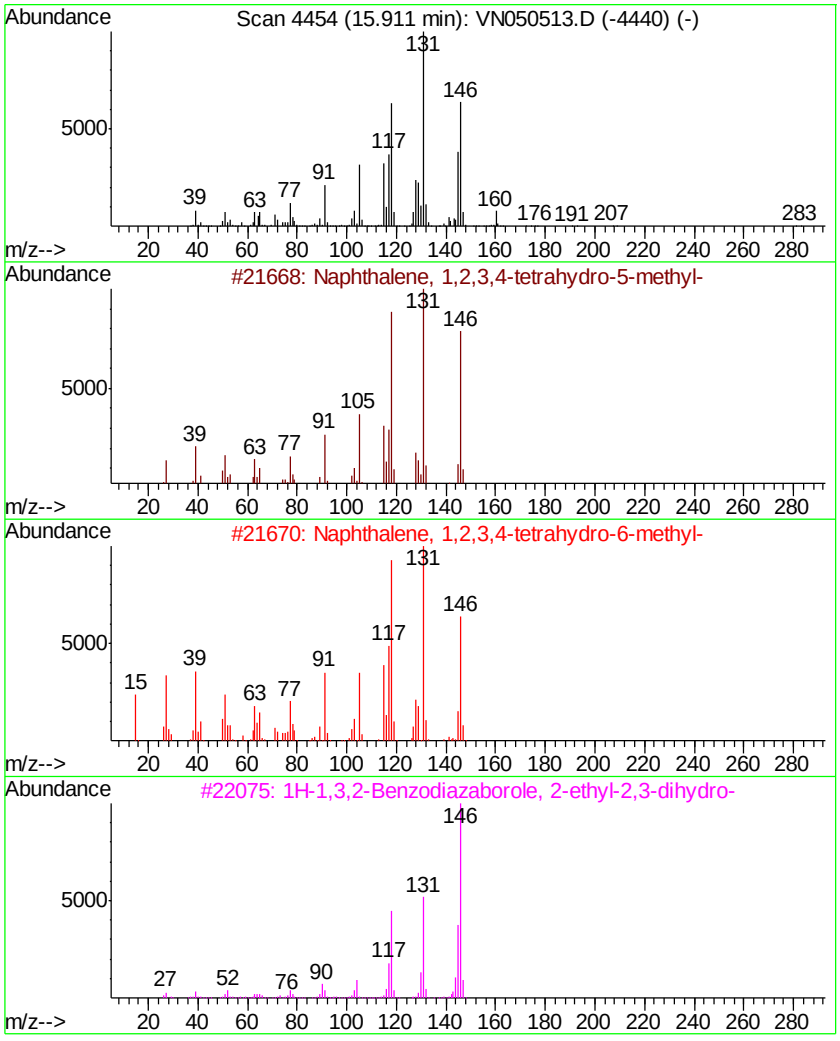
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

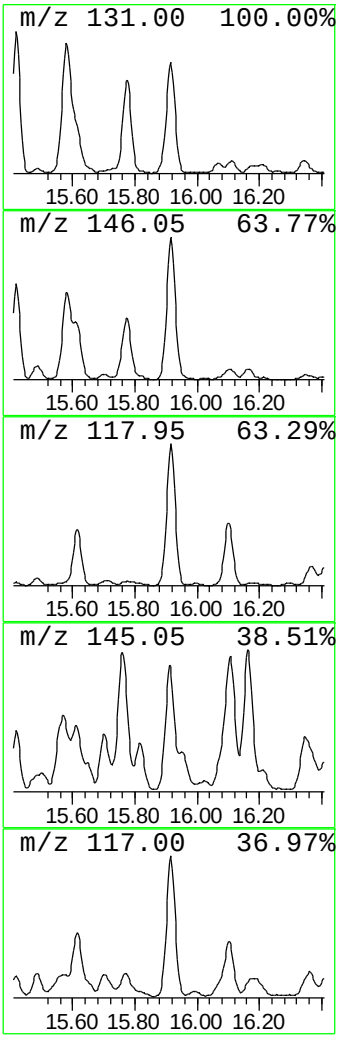
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	58.91 ug/l	3168590	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-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	76
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260

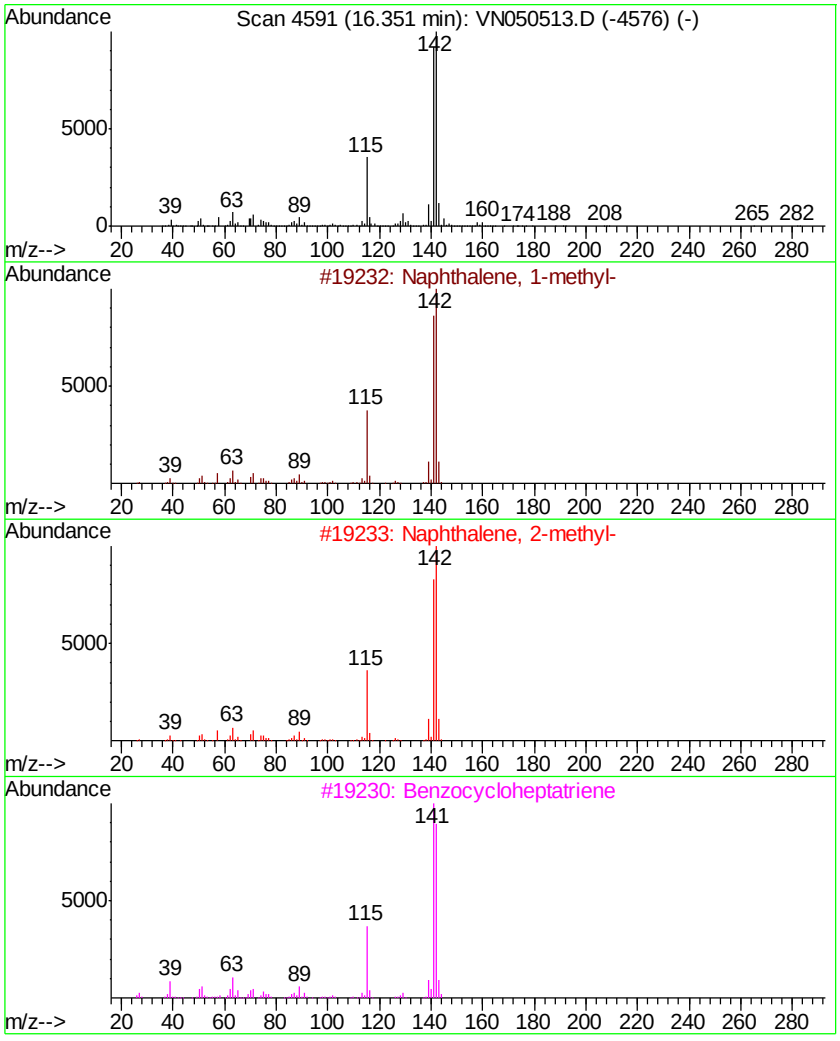
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

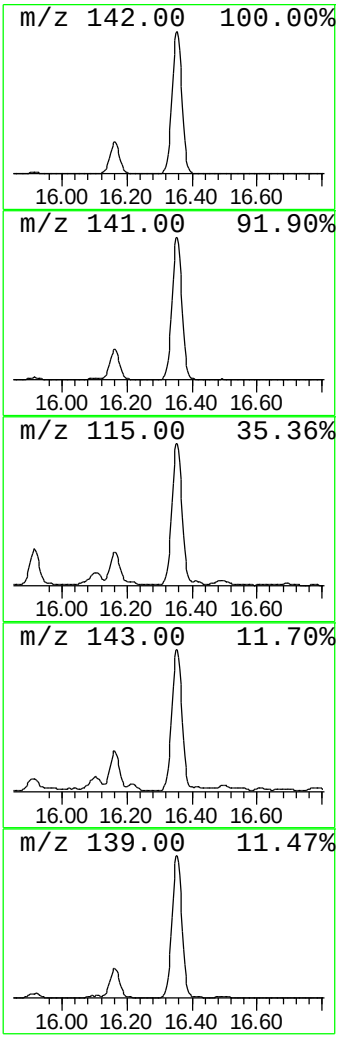
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	120.89 ug/l	6502870	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	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081018\
Data File : VN050513.D
Acq On : 10 Aug 2018 13:18
Operator : MD\SY
Sample : J4420-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.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, 1,1'-(1,...	13.54	112.1	ug/l	6030680	4	13.35	2689570	50.0
Benzene, 4-ethyl-...	13.89	38.0	ug/l	2045970	4	13.35	2689570	50.0
Indan, 1-methyl-	13.99	77.3	ug/l	4158490	4	13.35	2689570	50.0
Benzene, 1,2,3,5-...	14.21	63.1	ug/l	3393410	4	13.35	2689570	50.0
Benzene, 2-etheny...	14.59	173.8	ug/l	9348350	4	13.35	2689570	50.0
Benzene, (1-methy...	14.85	58.1	ug/l	3122970	4	13.35	2689570	50.0
Benzene, 1-methyl...	14.96	65.0	ug/l	3498110	4	13.35	2689570	50.0
Naphthalene, 1,2,...	15.91	58.9	ug/l	3168590	4	13.35	2689570	50.0
Naphthalene, 1-me...	16.35	120.9	ug/l	6502870	4	13.35	2689570	50.0