LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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	48	rBV	3666567	5781975	100.00%	11.608%
2	4.082	751	775	797	rBV2	22409	75629	1.31%	0.152%
3	5.050	1053	1076	1102	rVB4	47095	175318	3.03%	0.352%
4	7.593	1846	1867	1878	rBV	528467	1328812	22.98%	2.668%
5	7.667	1879	1890	1910	rVB	774627	1832335	31.69%	3.679%
6	8.030	1985	2003	2025	rBV	542962	1277672	22.10%	2.565%
7	8.242	2042	2069	2078	rBV4	104458	417112	7.21%	0.837%
8	8.590	2161	2177	2211	rVB	1147136	2402705	41.56%	4.824%
9	9.082	2309	2330	2347	rBV3	113152	268440	4.64%	0.539%
10	10.094	2627	2645	2673	rBV	2104742	3963472	68.55%	7.957%
11	10.262	2687	2697	2722	rVB6	35957	101225	1.75%	0.203%
12	10.432	2737	2750	2763	rVB3	60954	121568	2.10%	0.244%
13	10.532	2767	2781	2795	rBV4	36813	73407	1.27%	0.147%
14	10.953	2895	2912	2920	rBV2	80901	158821	2.75%	0.319%
15	11.008	2921	2929	2939	rVB2	68937	113670	1.97%	0.228%
16	11.410	3039	3054	3072	rBV	1517671	2663917	46.07%	5.348%
17	11.506	3073	3084	3094	rBV3	71227	151451	2.62%	0.304%
18	11.619	3103	3119	3127	rBV	153306	328488	5.68%	0.659%
19	11.950	3199	3222	3236	rBV3	132836	371114	6.42%	0.745%
20	12.120	3267	3275	3283	rBV2	56627	81666	1.41%	0.164%
21	12.249	3308	3315	3325	rVB2	49402	83847	1.45%	0.168%
22	12.403	3350	3363	3376	rBV	1330831	2241633	38.77%	4.500%
23	12.474	3377	3385	3397	rVB3	36597	70063	1.21%	0.141%
24	12.564	3405	3413	3418	rBV4	58134	92165	1.59%	0.185%
25	12.657	3431	3442	3449	rBV	170021	297903	5.15%	0.598%
26	12.734	3458	3466	3476	rVB	237241	379111	6.56%	0.761%
27	12.892	3500	3515	3528	rBV	222388	392113	6.78%	0.787%
28	12.959	3529	3536	3551	rVV7	52596	98853	1.71%	0.198%
29	13.043	3551	3562	3575	rVV	488211	772064	13.35%	1.550%
30	13.175	3592	3603	3610	rBV3	51844	90660	1.57%	0.182%
31	13.233	3615	3621	3631	rVB2	70033	114246	1.98%	0.229%
32	13.345	3644	3656	3677	rBV2	1438031	2835431	49.04%	5.692%
33	13.445	3679	3687	3697	rBV	103736	158789	2.75%	0.319%
34	13.512	3699	3708	3713	rBV	381455	583730	10.10%	1.172%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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	13.544	3714	3718	3725	rVV	312295	434377	7.51%	0.872%
36	13.586	3725	3731	3746	rVB3	303722	533401	9.23%	1.071%
37	13.673	3746	3758	3769	rBV	431837	732402	12.67%	1.470%
38	13.741	3770	3779	3789	rBV	92788	148693	2.57%	0.299%
39	13.805	3789	3799	3804	rBV	210947	345007	5.97%	0.693%
40	13.834	3805	3808	3816	rVB	166502	189829	3.28%	0.381%
41	13.892	3816	3826	3836	rVB	970513	1469246	25.41%	2.950%
42	13.946	3836	3843	3848	rBV	75410	110206	1.91%	0.221%
43	13.995	3848	3858	3868	rVB3	651349	1094867	18.94%	2.198%
44	14.133	3889	3901	3908	rBV3	214919	362307	6.27%	0.727%
45	14.210	3908	3925	3932	rVV2	469728	932547	16.13%	1.872%
46	14.249	3932	3937	3945	rVV	337813	490900	8.49%	0.986%
47	14.297	3945	3952	3958	rVV2	188770	279912	4.84%	0.562%
48	14.332	3959	3963	3968	rVV2	83175	109200	1.89%	0.219%
49	14.368	3969	3974	3980	rVV	86774	116160	2.01%	0.233%
50	14.419	3981	3990	4001	rVB3	244301	465301	8.05%	0.934%
51	14.480	4001	4009	4016	rBV3	185490	301188	5.21%	0.605%
52	14.525	4016	4023	4031	rVV	281024	404443	6.99%	0.812%
53	14.583	4031	4041	4056	rVV2	1764966	3255558	56.31%	6.536%
54	14.654	4056	4063	4073	rVB3	136316	233713	4.04%	0.469%
55	14.744	4083	4091	4099	rBV	223274	311472	5.39%	0.625%
56	14.856	4117	4126	4131	rBV3	290070	491822	8.51%	0.987%
57	14.959	4148	4158	4171	rVB2	487968	1031751	17.84%	2.071%
58	15.049	4179	4186	4192	rBV2	60801	92748	1.60%	0.186%
59	15.091	4192	4199	4206	rBV	141103	222717	3.85%	0.447%
60	15.194	4221	4231	4239	rBV	328140	547765	9.47%	1.100%
61	15.265	4240	4253	4288	rVB5	341334	1276014	22.07%	2.562%
62	15.416	4290	4300	4313	rBV5	81185	185422	3.21%	0.372%
63	15.490	4316	4323	4332	rVB6	42365	72250	1.25%	0.145%
64	15.580	4344	4351	4354	rBV3	107970	150000	2.59%	0.301%
65	15.615	4355	4362	4379	rVB	533308	955271	16.52%	1.918%
66	15.702	4382	4389	4399	rVB2	83432	138128	2.39%	0.277%
67	15.773	4402	4411	4420	rBV4	64882	128855	2.23%	0.259%
68	15.917	4441	4456	4470	rBV2	519595	1058506	18.31%	2.125%
69	16.104	4503	4514	4524	rBV2	128507	279510	4.83%	0.561%
70	16.168	4525	4534	4560	rVB4	179006	434506	7.51%	0.872%
71	16.355	4579	4592	4604	rBV2	216846	525399	9.09%	1.055%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

Sum of corrected areas: 49810798

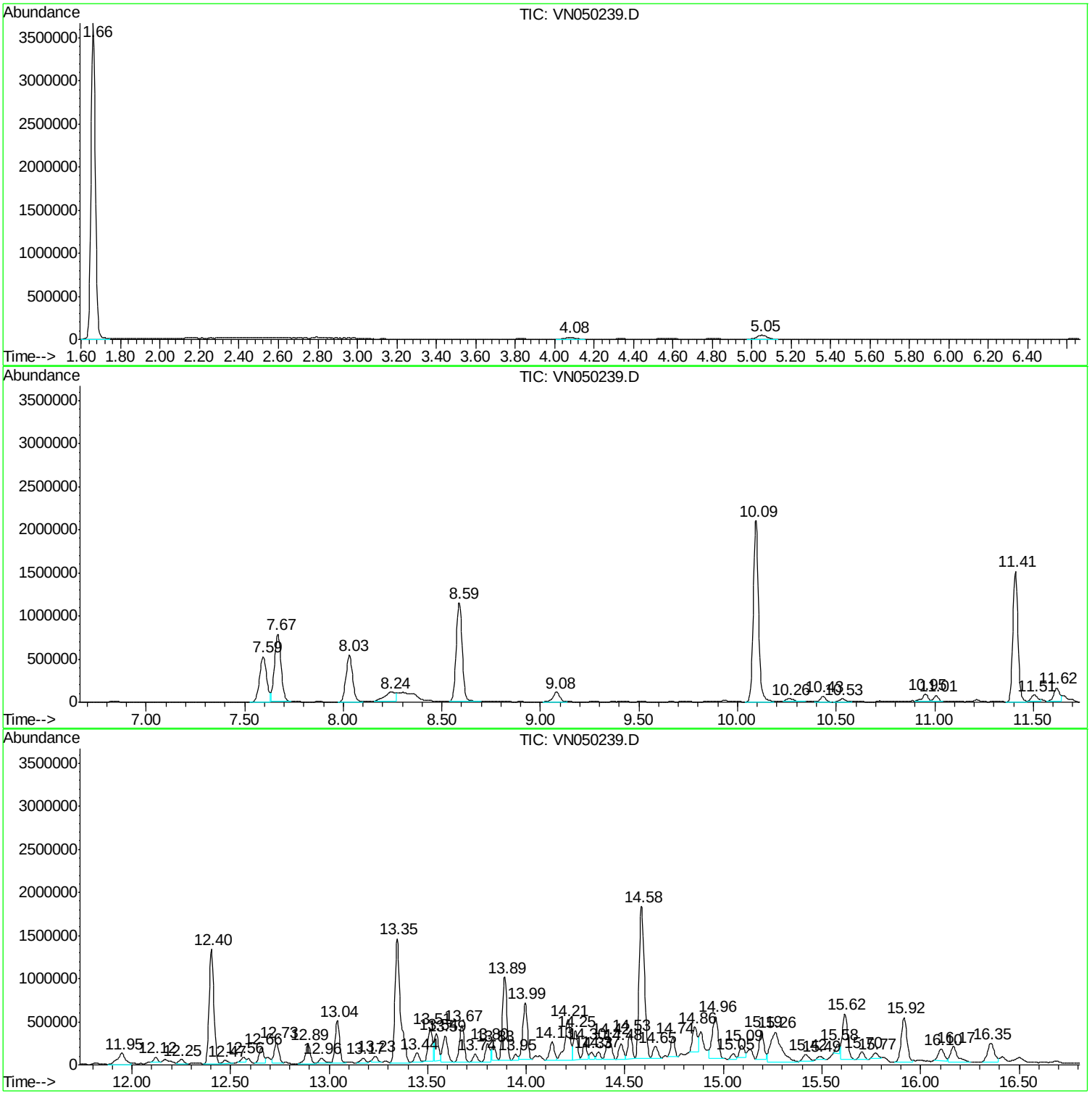
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

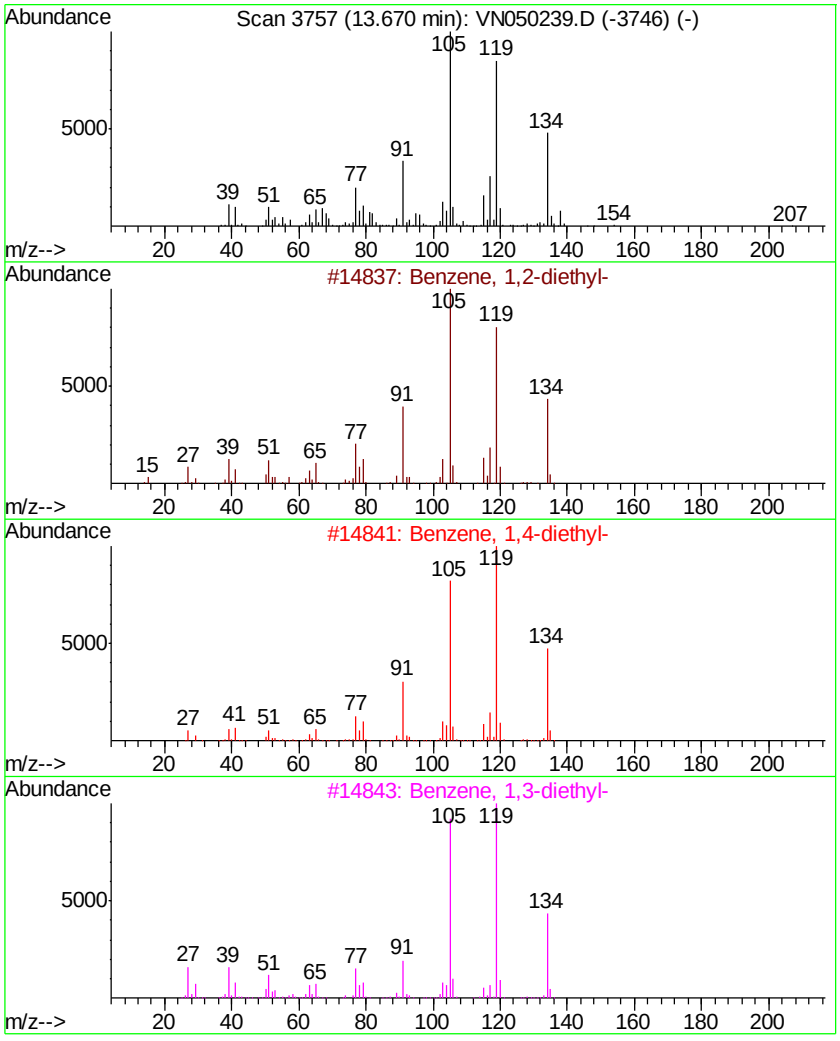
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

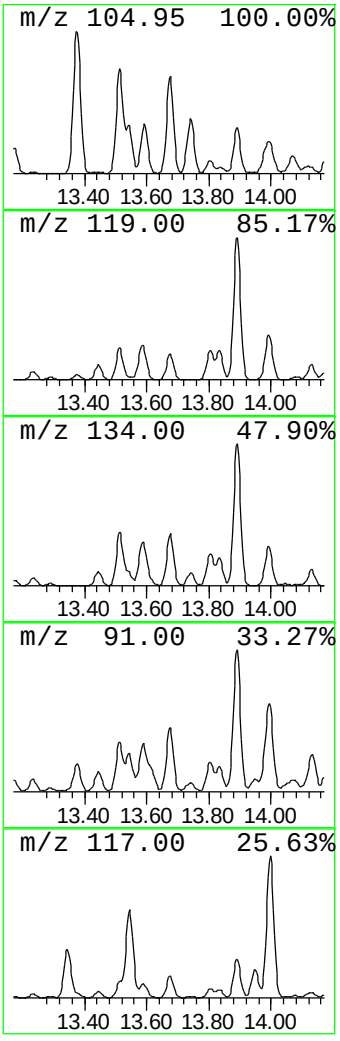
****

Peak Number 2 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	12.92 ug/l	732402	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	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

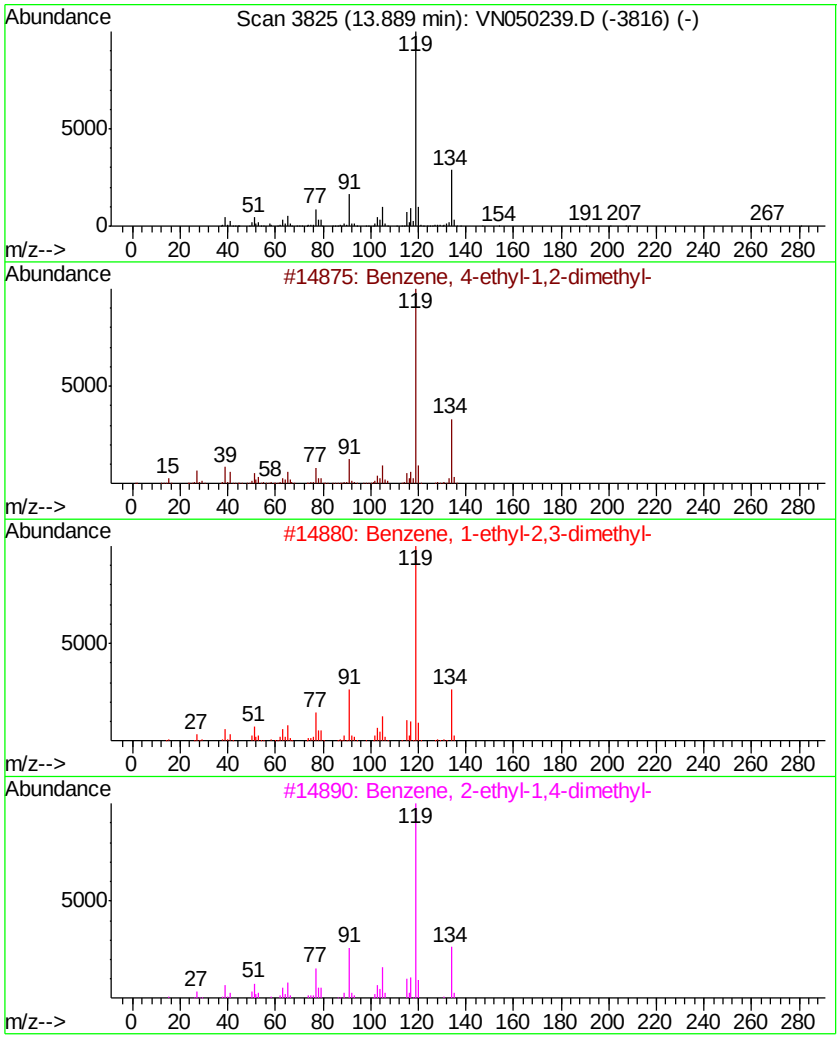
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

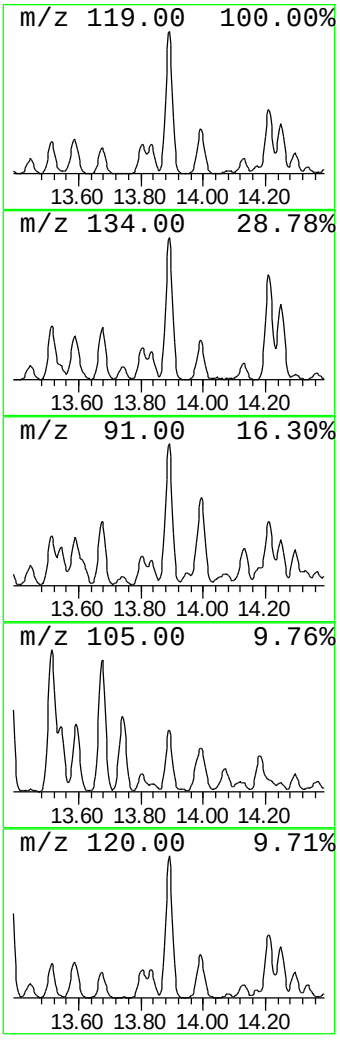
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	25.91 ug/l	1469250	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	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
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\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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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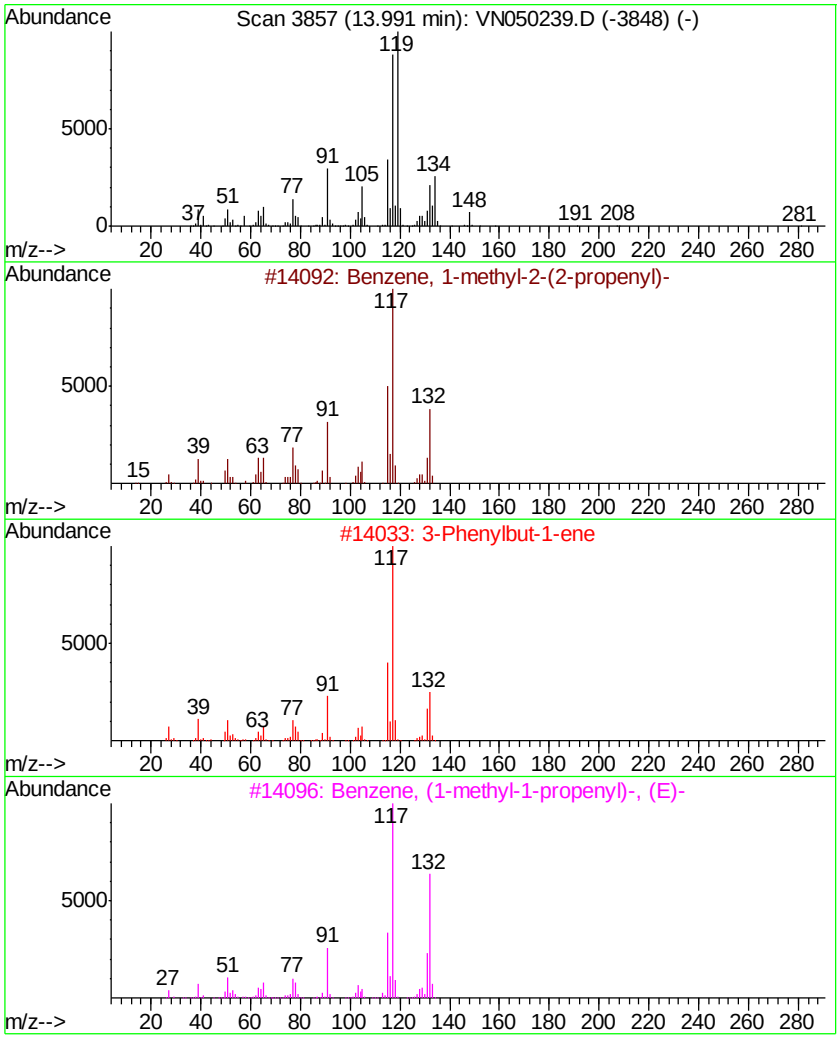
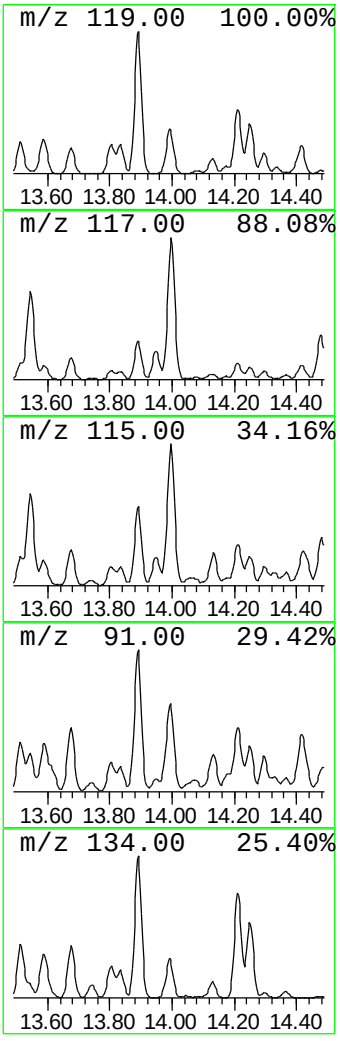
Peak Number 4 Benzene, 1-methyl-2-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	19.31 ug/l	1094870	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

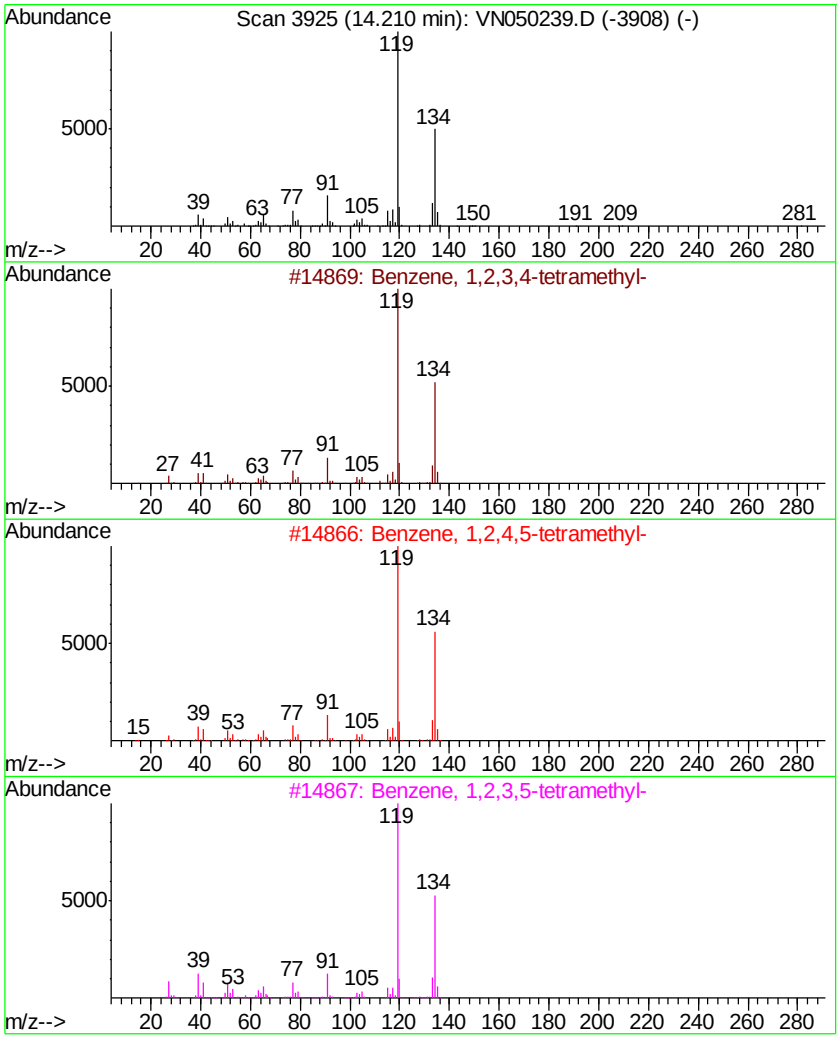
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

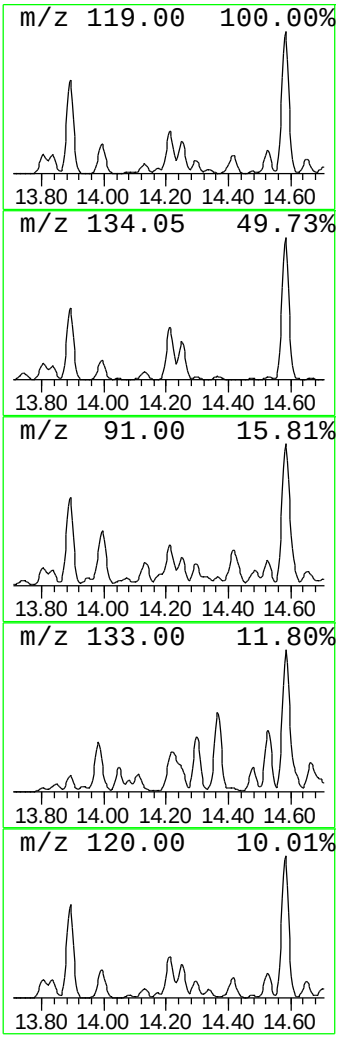
****

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	16.44 ug/l	932547	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	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

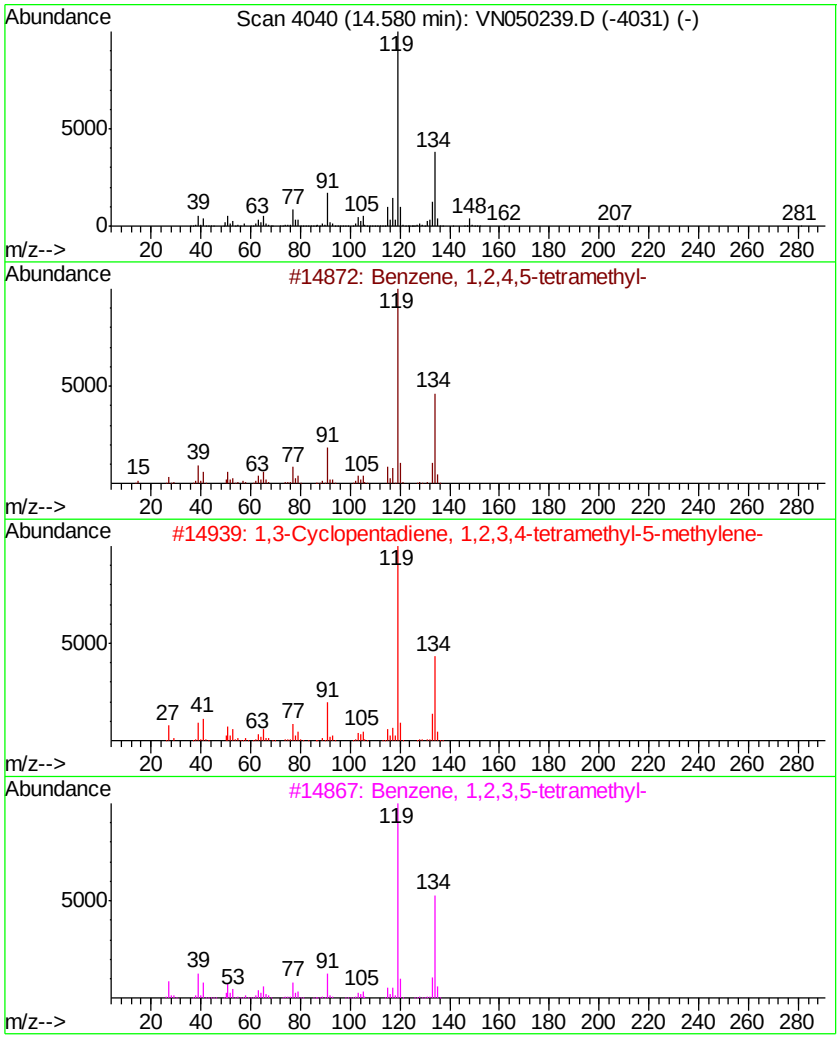
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

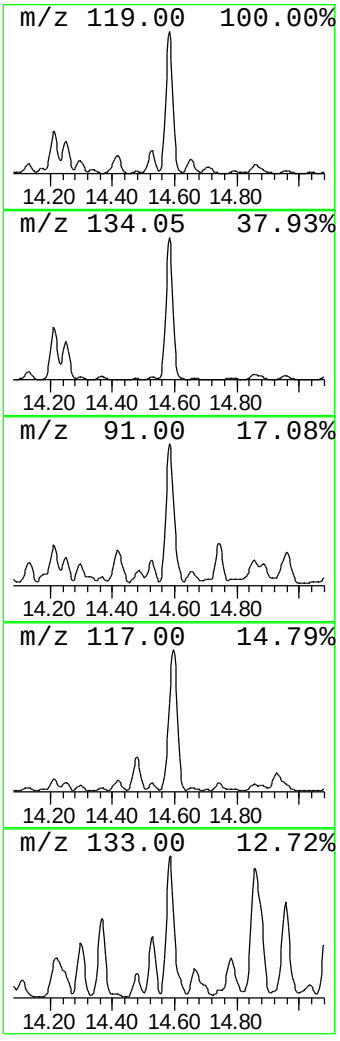
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	57.41 ug/l	3255560	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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

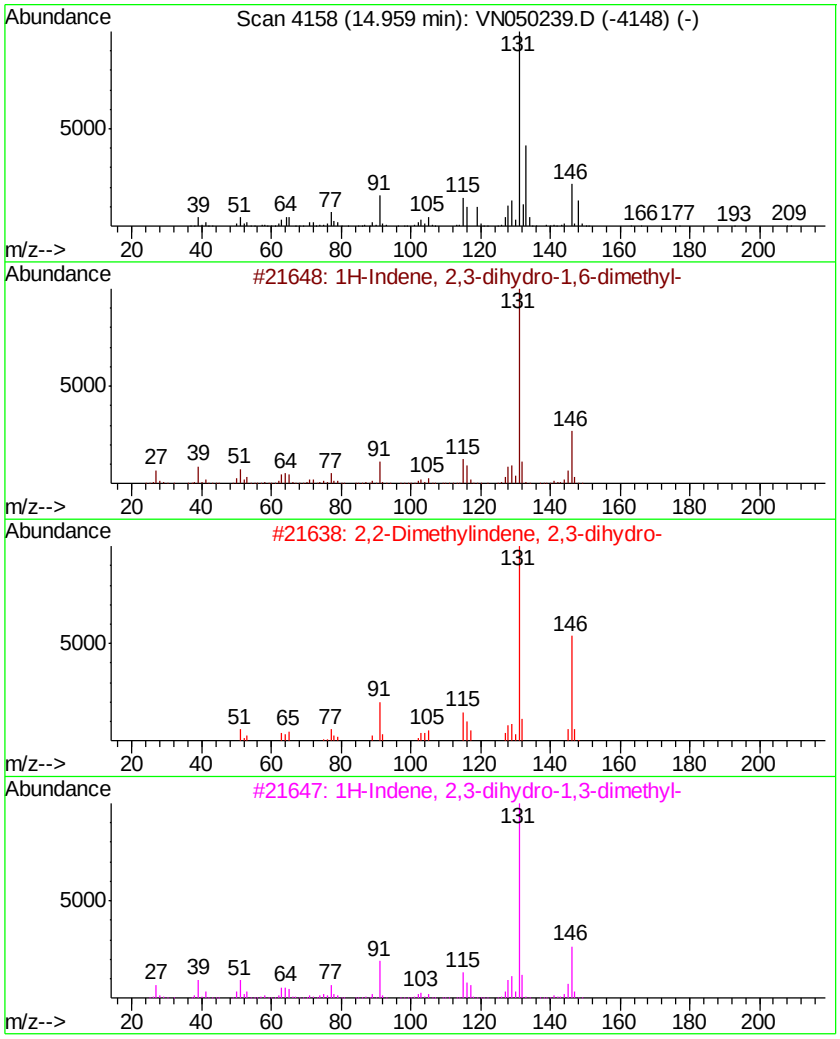
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

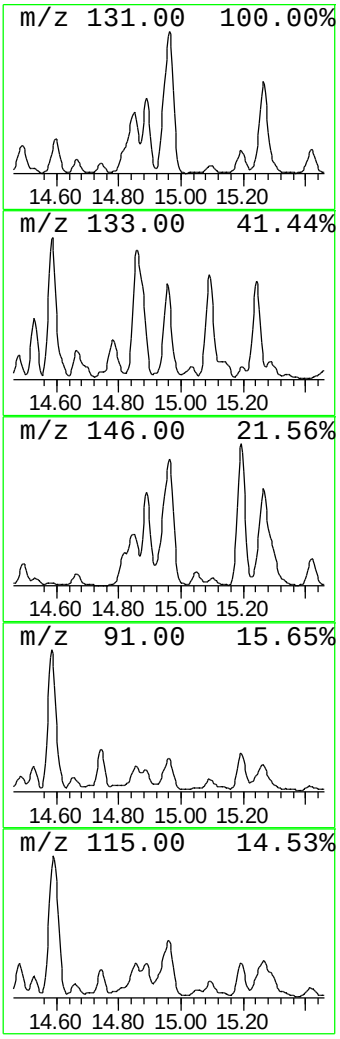
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	18.19 ug/l	1031750	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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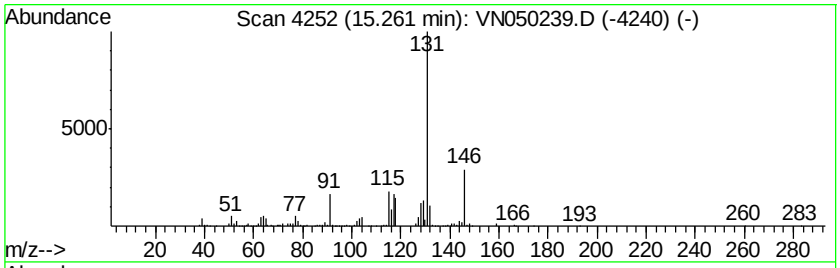
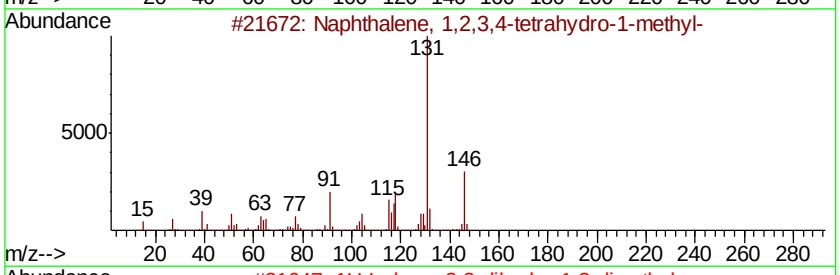
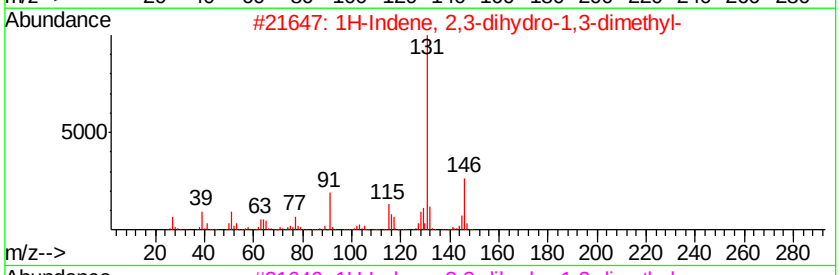
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

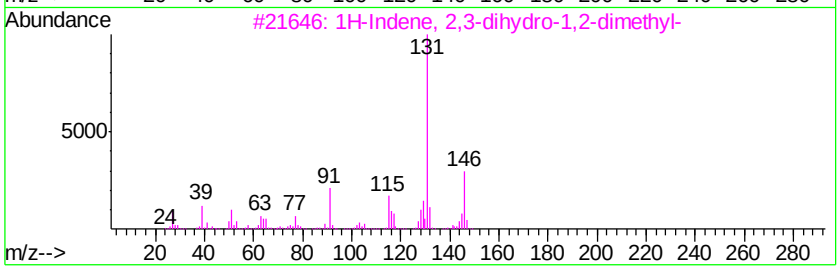
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	22.50 ug/l	1276010	1,4-Dichlorobenzene-d4	13.35

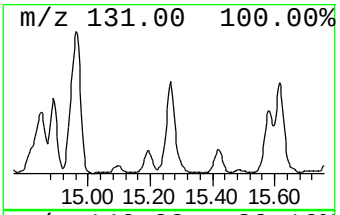
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87

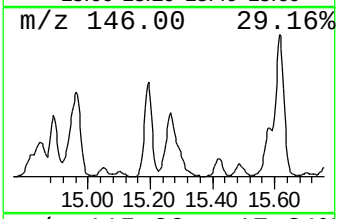


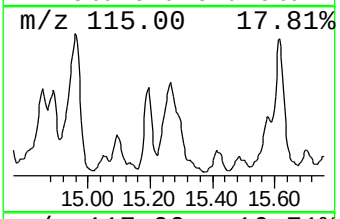


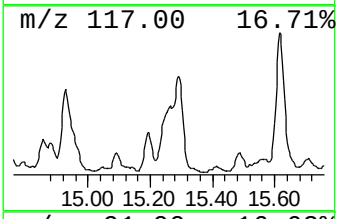


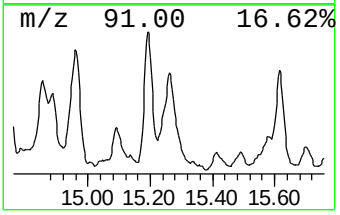












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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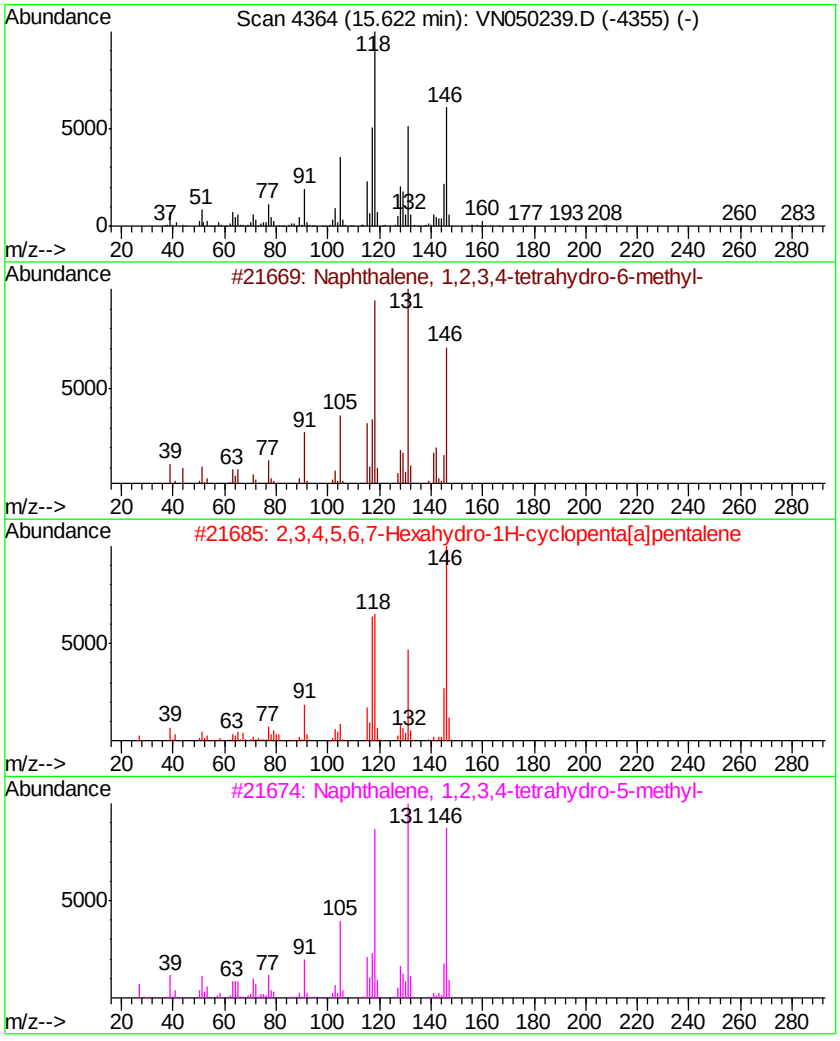
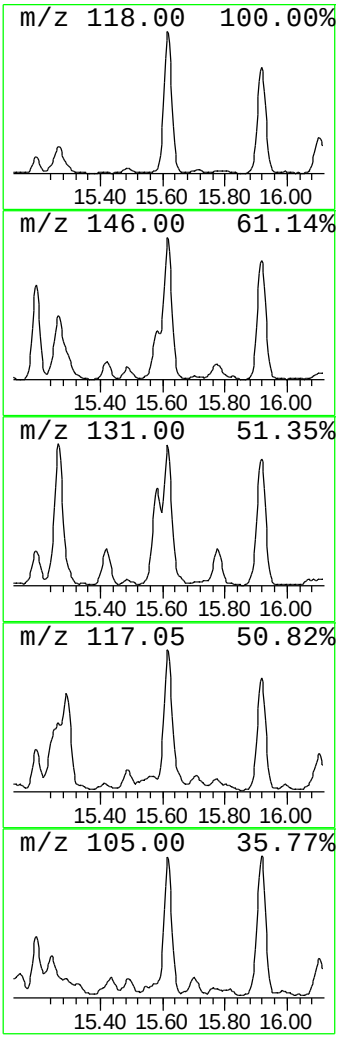
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	16.85 ug/l	955271	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	64
2	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	55
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	49
5	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050239.D
Acq On : 1 Aug 2018 11:00
Operator : MD\SY
Sample : J4256-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-03

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, 1,2-diet...	13.67	12.9	ug/l	732402	4	13.35	2835430	50.0
Benzene, 4-ethyl-...	13.89	25.9	ug/l	1469250	4	13.35	2835430	50.0
Benzene, 1-methyl...	13.99	19.3	ug/l	1094870	4	13.35	2835430	50.0
Benzene, 1,2,3,4-...	14.21	16.4	ug/l	932547	4	13.35	2835430	50.0
Benzene, 1,2,4,5-...	14.58	57.4	ug/l	3255560	4	13.35	2835430	50.0
1H-Indene, 2,3-di...	14.96	18.2	ug/l	1031750	4	13.35	2835430	50.0
Naphthalene, 1,2,...	15.26	22.5	ug/l	1276010	4	13.35	2835430	50.0
Naphthalene, 1,2,...	15.62	16.9	ug/l	955271	4	13.35	2835430	50.0