LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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	50	rBV	2443687	3814431	97.40%	8.162%
2	1.998	118	127	136	rBV	23780	51120	1.31%	0.109%
3	3.831	682	697	716	rBV2	14482	40241	1.03%	0.086%
4	4.082	749	775	792	rBV3	12421	49485	1.26%	0.106%
5	7.596	1847	1868	1879	rBV	539428	1363374	34.81%	2.917%
6	7.670	1879	1891	1917	rVB	788466	1869285	47.73%	4.000%
7	8.030	1982	2003	2026	rBV	547747	1283791	32.78%	2.747%
8	8.239	2040	2068	2075	rBV5	131477	577762	14.75%	1.236%
9	8.590	2161	2177	2210	rVB	1183187	2463371	62.90%	5.271%
10	10.095	2629	2645	2677	rBV	2087353	3916277	100.00%	8.380%
11	10.265	2688	2698	2714	rVB7	22624	59609	1.52%	0.128%
12	10.435	2740	2751	2764	rVB3	55545	103600	2.65%	0.222%
13	10.532	2770	2781	2792	rBV3	29061	59271	1.51%	0.127%
14	11.008	2920	2929	2940	rVB2	61597	109186	2.79%	0.234%
15	11.213	2974	2993	3011	rVB8	46392	116560	2.98%	0.249%
16	11.410	3040	3054	3073	rBV	1555680	2711597	69.24%	5.802%
17	11.500	3073	3082	3089	rBV2	30985	52486	1.34%	0.112%
18	11.593	3104	3111	3120	rBV6	21108	40439	1.03%	0.087%
19	11.657	3121	3131	3139	rBV5	52323	113920	2.91%	0.244%
20	11.924	3200	3214	3236	rBV7	98517	363007	9.27%	0.777%
21	12.046	3245	3252	3259	rBV	64042	82373	2.10%	0.176%
22	12.123	3268	3276	3282	rBV4	89067	145549	3.72%	0.311%
23	12.165	3284	3289	3297	rVB5	80554	119674	3.06%	0.256%
24	12.252	3307	3316	3325	rVB	153404	237200	6.06%	0.508%
25	12.339	3338	3343	3351	rVB3	67947	96771	2.47%	0.207%
26	12.403	3351	3363	3376	rBV	1427282	2363606	60.35%	5.058%
27	12.474	3377	3385	3398	rBV7	41524	96955	2.48%	0.207%
28	12.593	3405	3422	3431	rVB	241089	587039	14.99%	1.256%
29	12.648	3432	3439	3448	rBV9	29670	52571	1.34%	0.112%
30	12.725	3452	3463	3474	rBV7	94443	228891	5.84%	0.490%
31	12.892	3501	3515	3523	rBV	128295	292942	7.48%	0.627%
32	12.963	3530	3537	3551	rVB5	232603	390630	9.97%	0.836%
33	13.043	3552	3562	3571	rBV	434025	697812	17.82%	1.493%
34	13.172	3589	3602	3611	rBV3	234041	469249	11.98%	1.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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	13.345	3645	3656	3663	rBV	1475358	2652679	67.73%	5.676%
36	13.448	3681	3688	3694	rBV2	70073	107670	2.75%	0.230%
37	13.512	3700	3708	3715	rBV2	282988	441858	11.28%	0.945%
38	13.596	3726	3734	3746	rBV2	137171	290824	7.43%	0.622%
39	13.673	3747	3758	3767	rVV4	390083	730979	18.67%	1.564%
40	13.741	3771	3779	3788	rVV	346979	533974	13.63%	1.143%
41	13.805	3791	3799	3803	rVV	321313	500010	12.77%	1.070%
42	13.834	3804	3808	3817	rVB	344513	469646	11.99%	1.005%
43	13.892	3817	3826	3835	rVB	828999	1250268	31.92%	2.675%
44	13.943	3835	3842	3848	rBV2	108742	159702	4.08%	0.342%
45	13.995	3849	3858	3868	rVB4	659392	1109590	28.33%	2.374%
46	14.053	3868	3876	3878	rBV2	109455	147013	3.75%	0.315%
47	14.130	3890	3900	3908	rBV2	509841	846150	21.61%	1.811%
48	14.178	3909	3915	3919	rVV6	225695	359057	9.17%	0.768%
49	14.210	3920	3925	3931	rVV	430819	668814	17.08%	1.431%
50	14.249	3932	3937	3946	rVV	516475	733524	18.73%	1.570%
51	14.297	3946	3952	3958	rVV2	194880	247008	6.31%	0.529%
52	14.332	3959	3963	3968	rVB4	78862	83682	2.14%	0.179%
53	14.419	3983	3990	4000	rVB3	213477	405335	10.35%	0.867%
54	14.480	4001	4009	4016	rBV3	198956	309152	7.89%	0.662%
55	14.525	4016	4023	4031	rVB2	379150	521530	13.32%	1.116%
56	14.586	4032	4042	4055	rBV5	1050715	2279583	58.21%	4.878%
57	14.647	4055	4061	4072	rVB3	345008	597015	15.24%	1.277%
58	14.744	4085	4091	4099	rVB	210055	287929	7.35%	0.616%
59	14.853	4118	4125	4132	rBV4	401654	687652	17.56%	1.471%
60	14.959	4149	4158	4173	rVB4	505509	1035365	26.44%	2.215%
61	15.194	4222	4231	4239	rBV	424615	713567	18.22%	1.527%
62	15.618	4356	4363	4377	rVB	452372	804124	20.53%	1.721%
63	15.917	4444	4456	4468	rBV	607871	1192104	30.44%	2.551%
64	16.036	4487	4493	4501	rVB3	90941	129010	3.29%	0.276%
65	16.104	4506	4514	4525	rVB3	265211	492863	12.58%	1.055%
66	16.168	4527	4534	4544	rVV5	127971	222709	5.69%	0.477%
67	16.355	4580	4592	4604	rBV6	272059	704122	17.98%	1.507%

Sum of corrected areas: 46734582

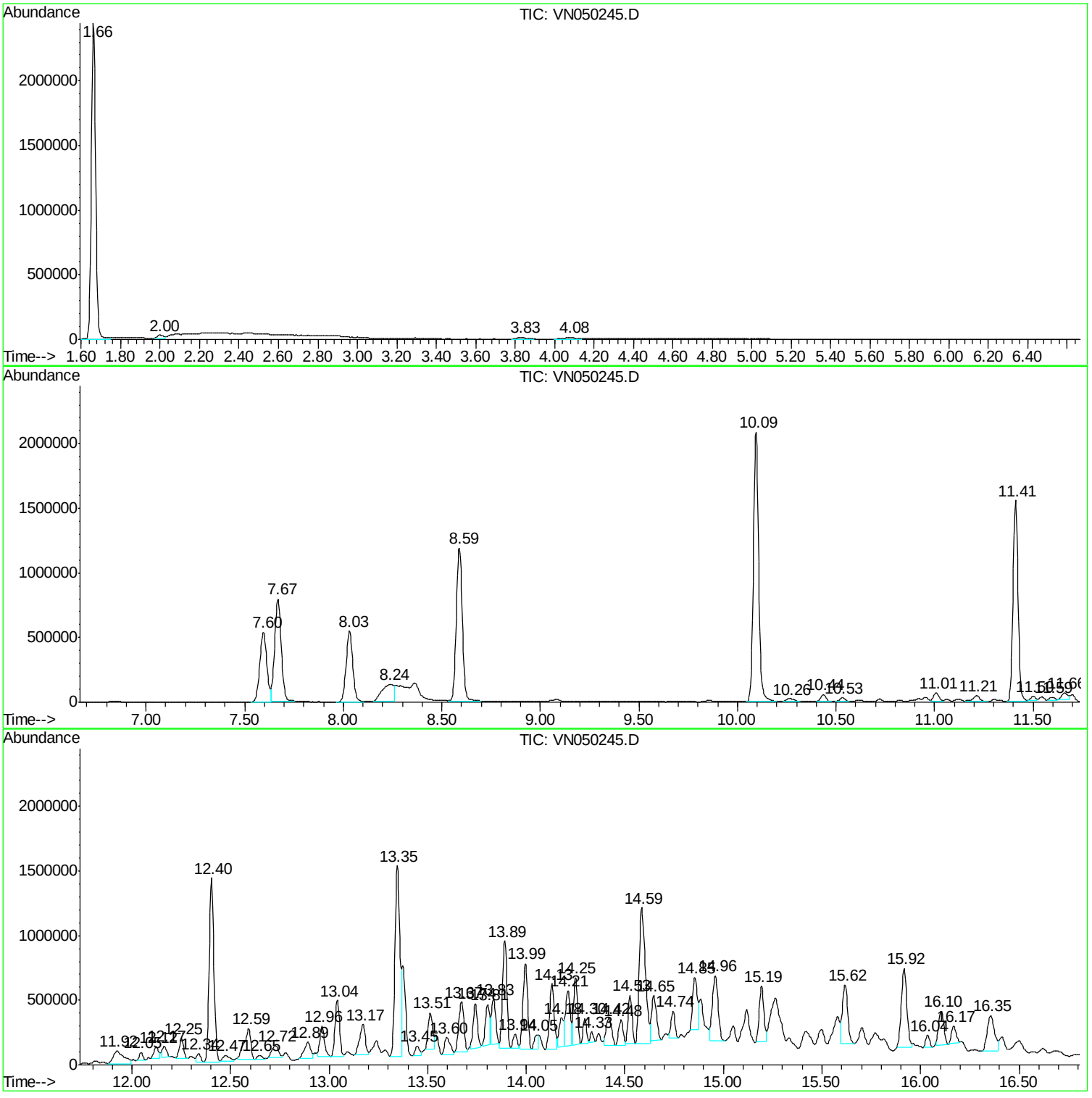
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

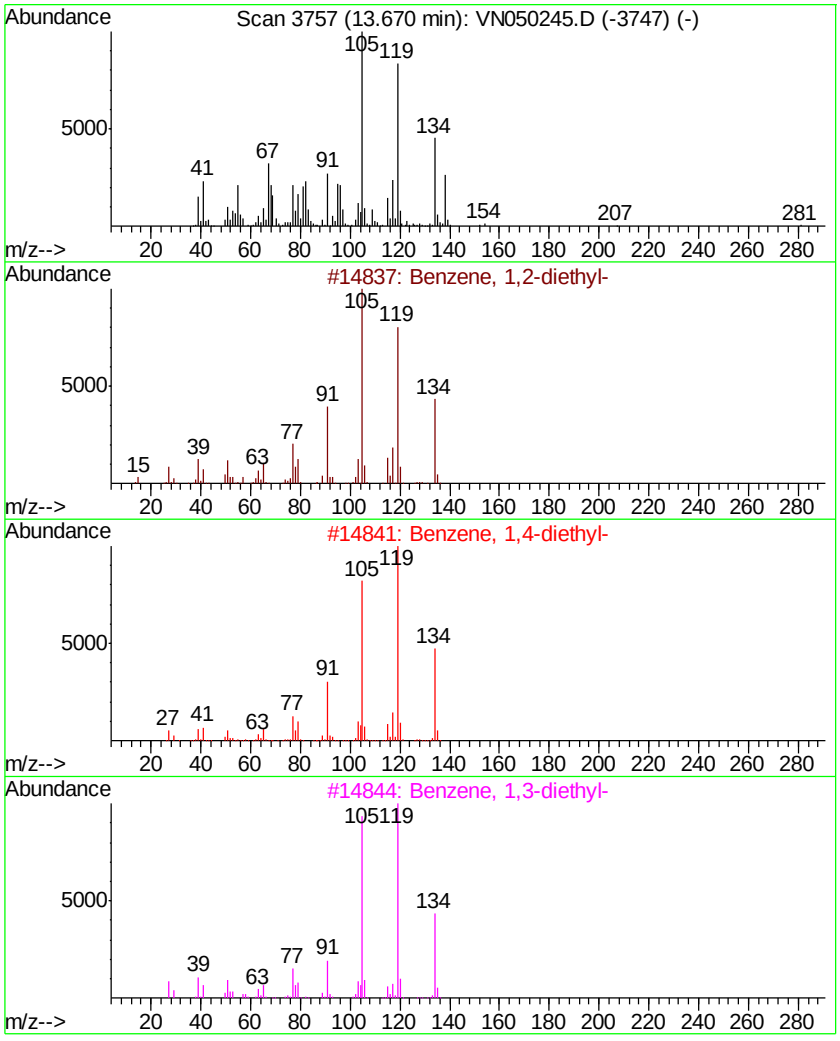
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

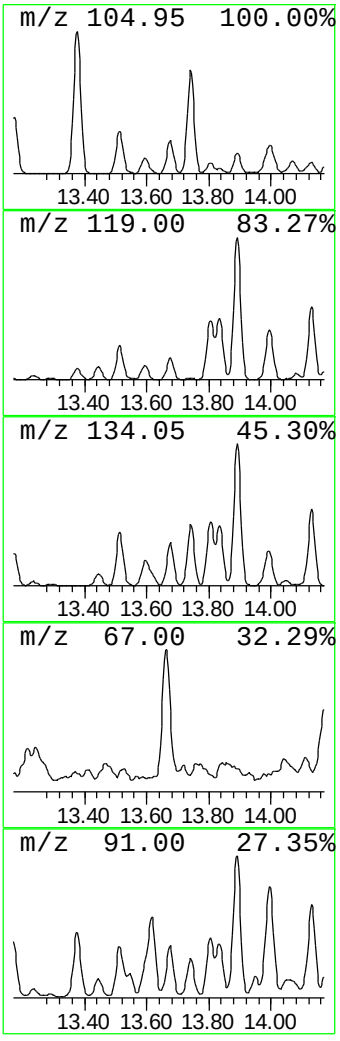
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	13.78 ug/l	730979	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	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	64
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	60
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

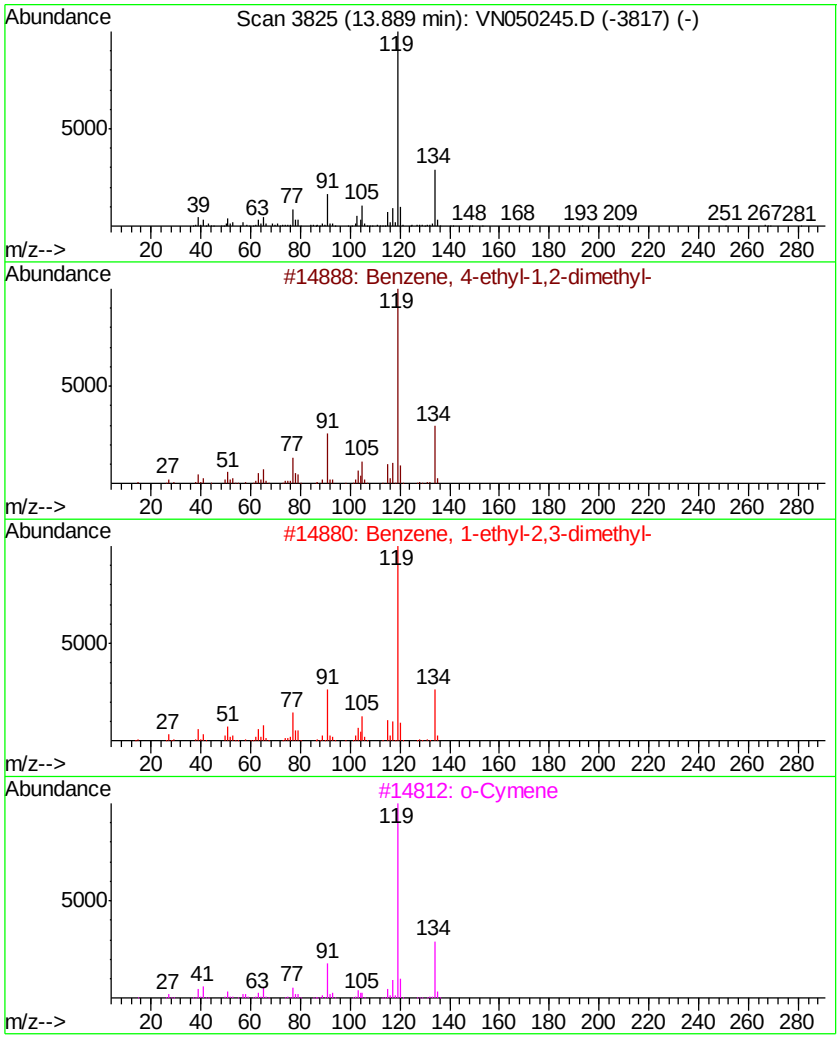
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

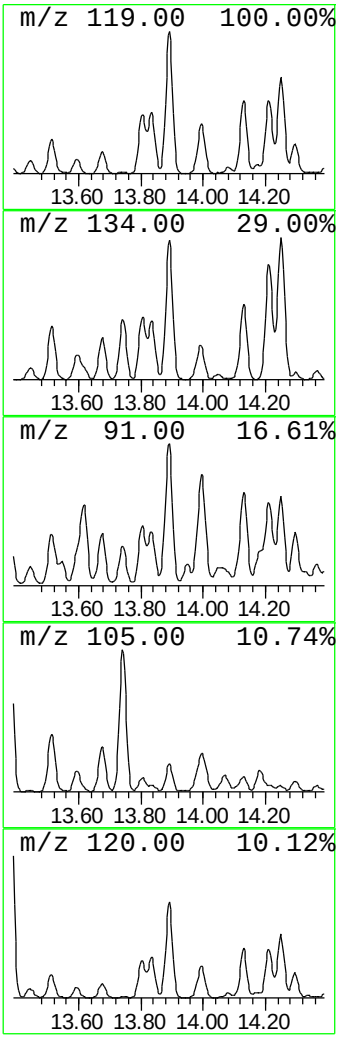
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	23.57 ug/l	1250270	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	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

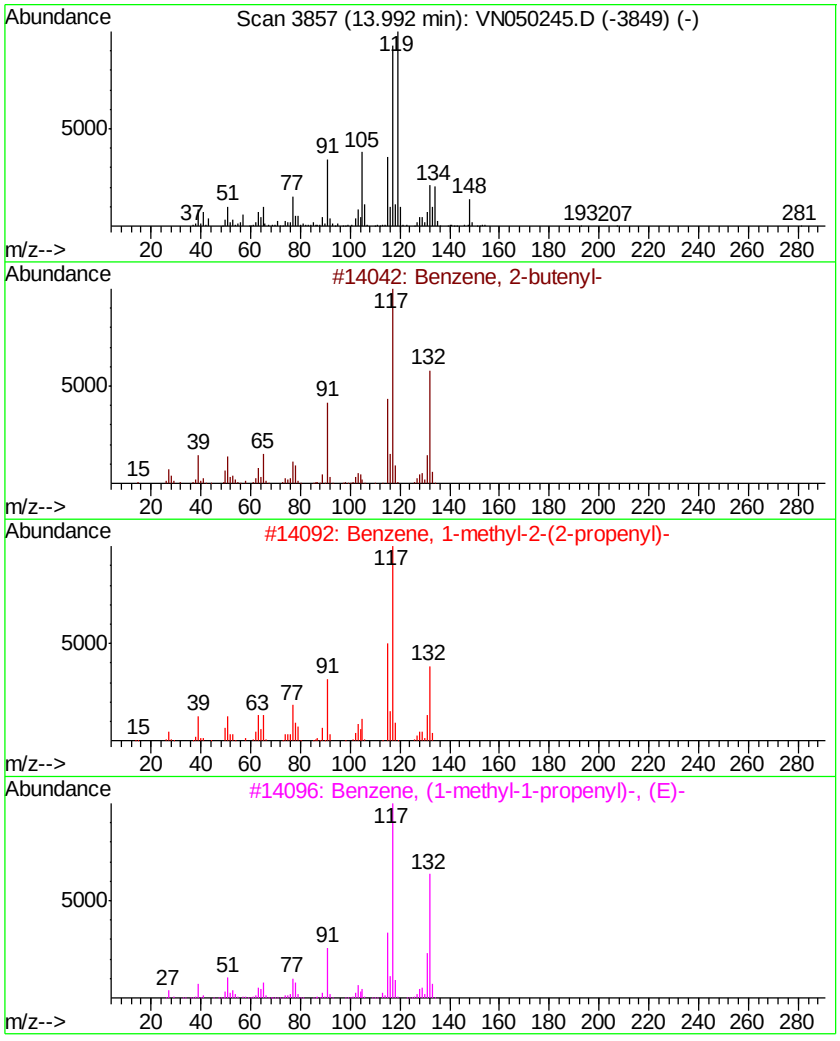
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

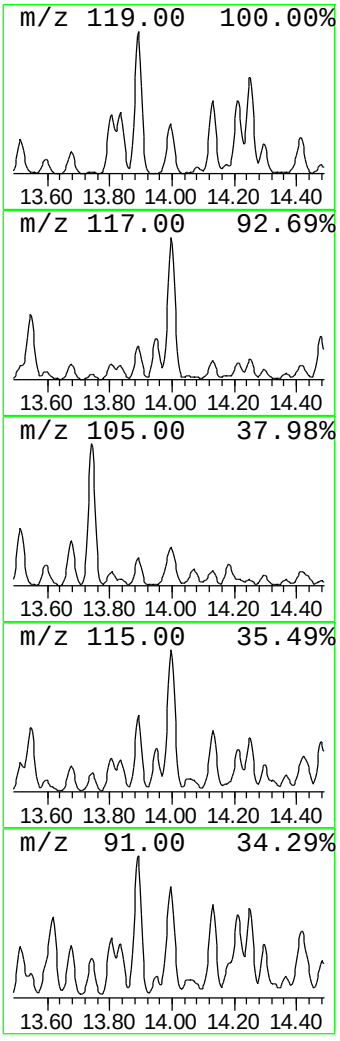
****

Peak Number 4 Benzene, 2-butenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	20.91 ug/l	1109590	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	50
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

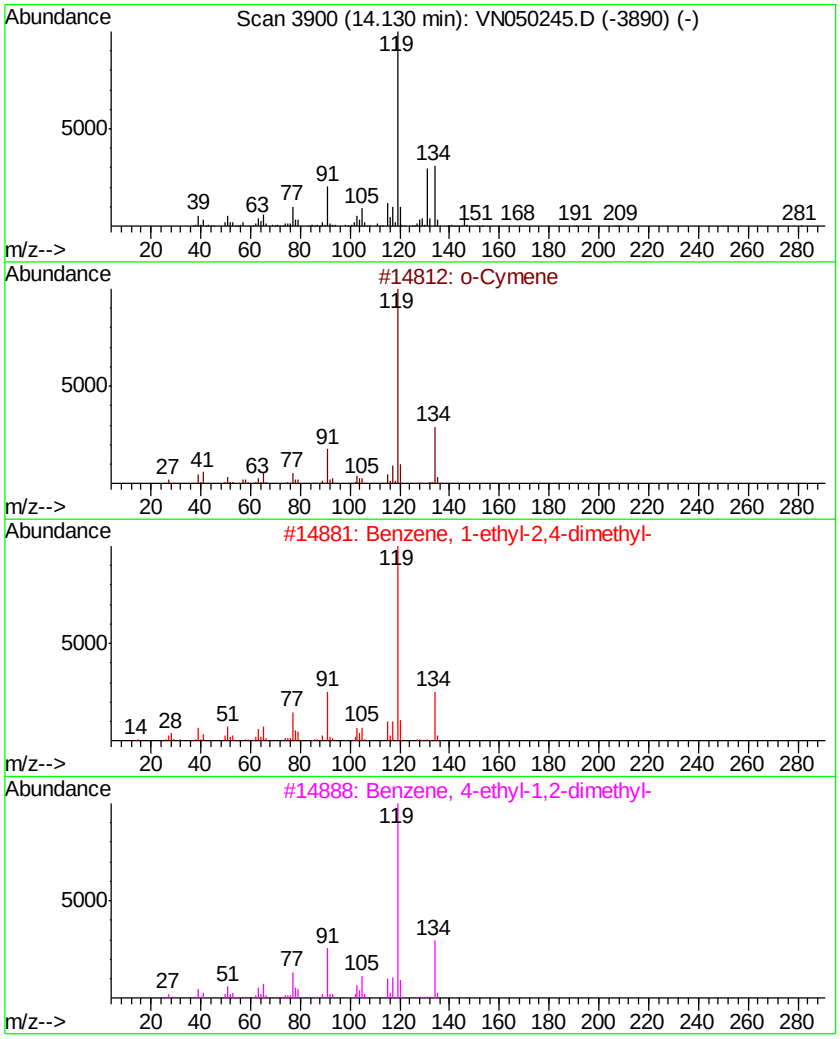
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

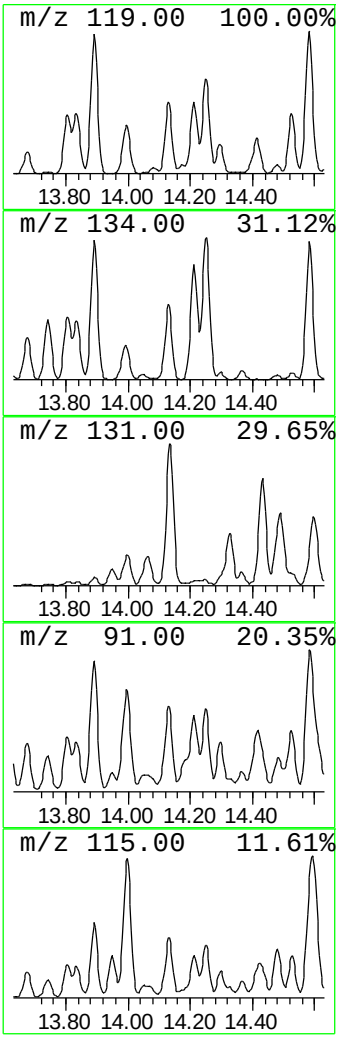
****

Peak Number 5 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	15.95 ug/l	846150	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

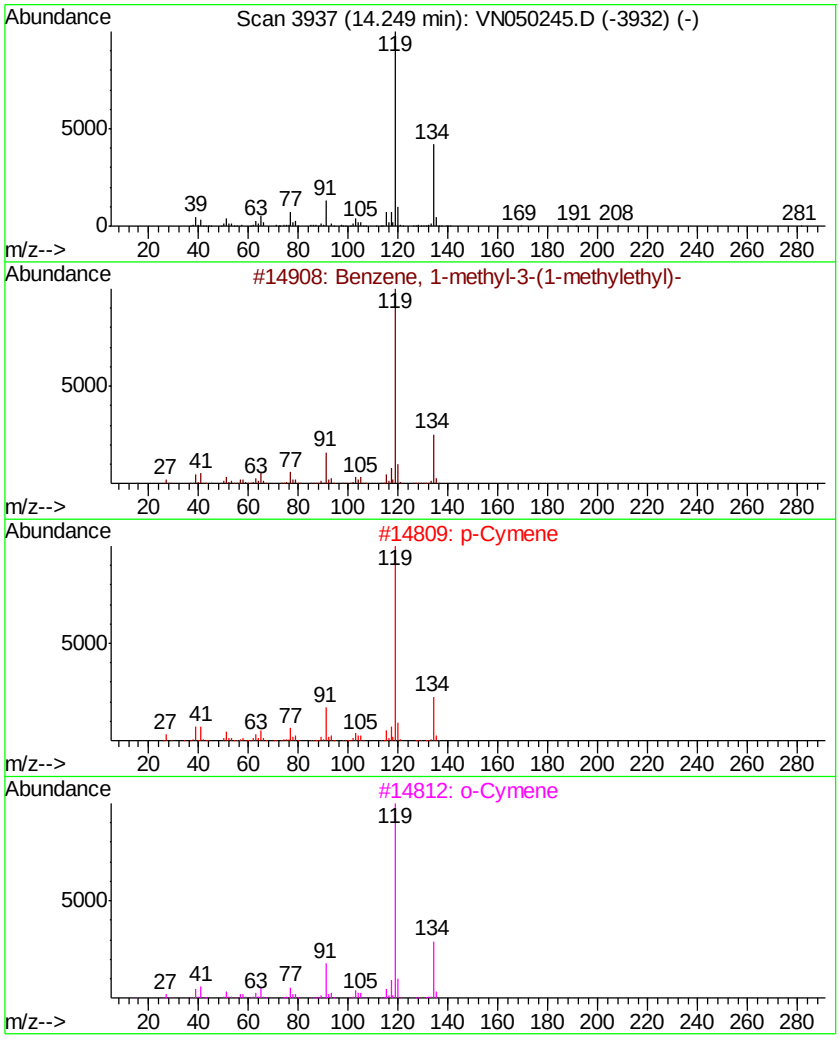
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

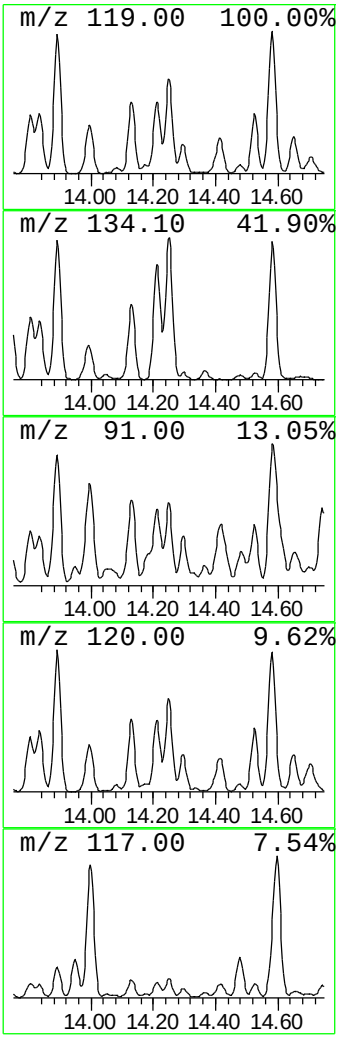
****

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	13.83 ug/l	733524	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

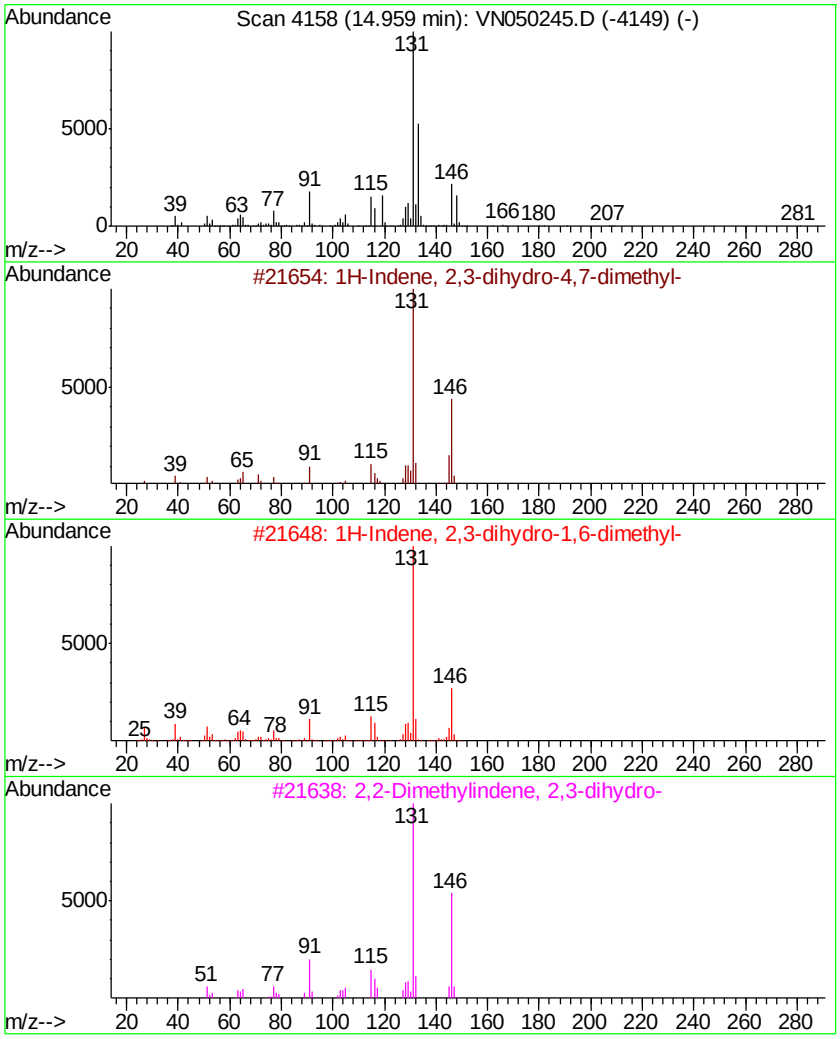
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

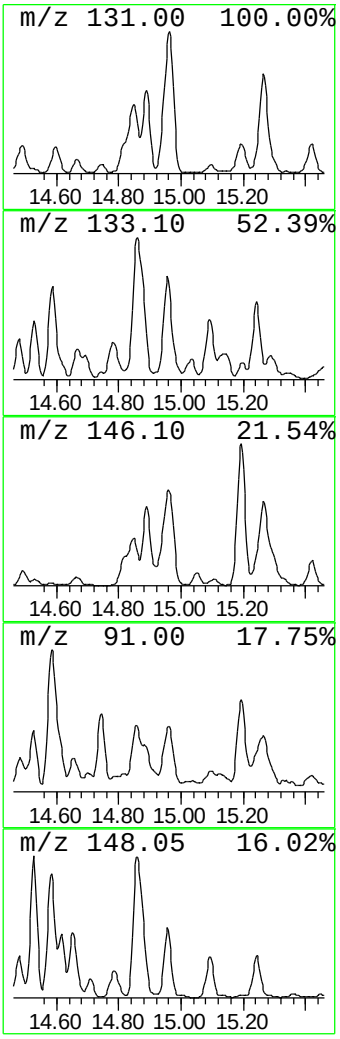
****

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	19.52 ug/l	1035370	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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

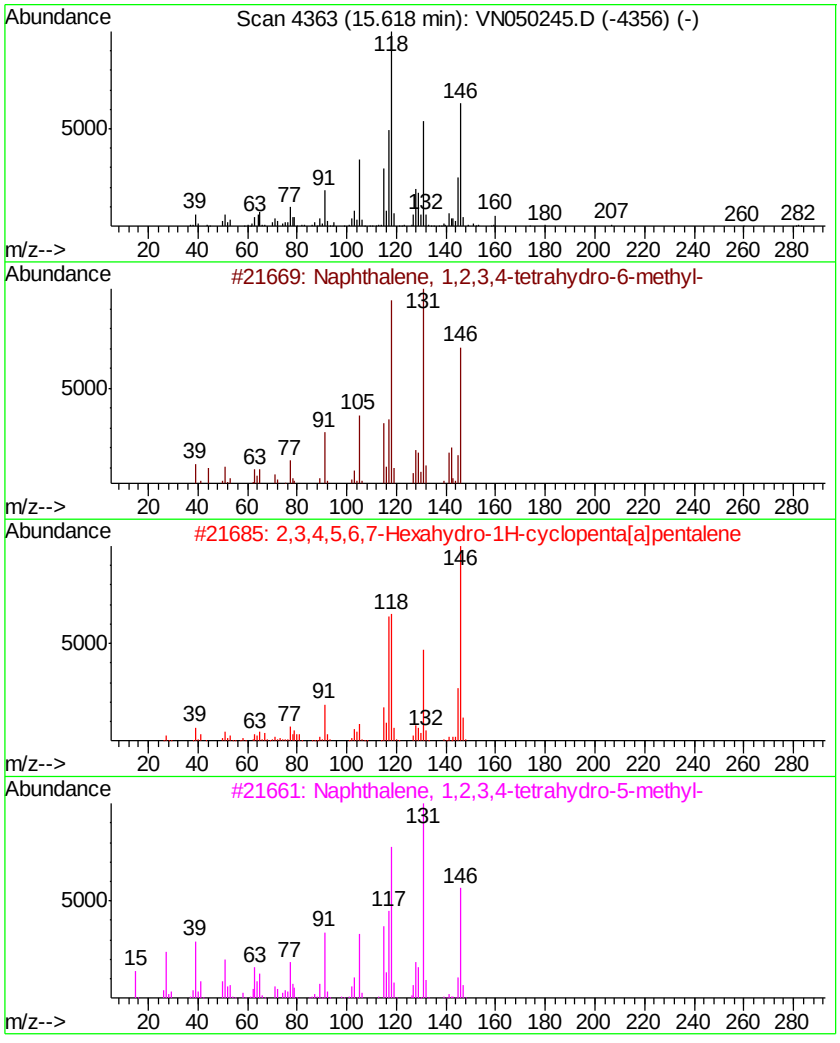
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

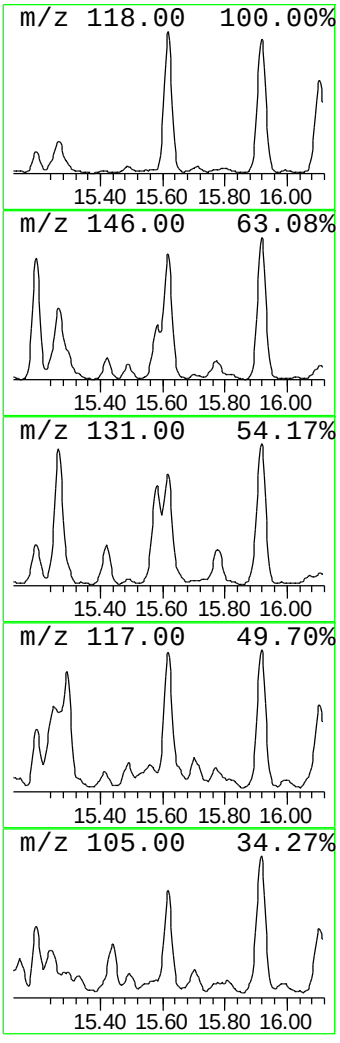
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	15.16 ug/l	804124	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	58
2	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	47
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080118\
Data File : VN050245.D
Acq On : 1 Aug 2018 13:30
Operator : MD\SY
Sample : J4256-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-09

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	13.8	ug/l	730979	4	13.35	2652680	50.0
Benzene, 4-ethyl-...	13.89	23.6	ug/l	1250270	4	13.35	2652680	50.0
Benzene, 2-butenyl-	13.99	20.9	ug/l	1109590	4	13.35	2652680	50.0
o-Cymene	14.13	15.9	ug/l	846150	4	13.35	2652680	50.0
Benzene, 1-methyl...	14.25	13.8	ug/l	733524	4	13.35	2652680	50.0
1H-Indene, 2,3-di...	14.96	19.5	ug/l	1035370	4	13.35	2652680	50.0
Naphthalene, 1,2,...	15.62	15.2	ug/l	804124	4	13.35	2652680	50.0