LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

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\82N091019W.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	7.577	1783	1805	1816	rBV2	302121	764800	12.69%	1.756%
2	7.651	1816	1828	1855	rVB	433309	1041656	17.28%	2.391%
3	8.014	1918	1941	1963	rBV	379856	888169	14.74%	2.039%
4	8.220	1980	2005	2007	rBV3	45854	146454	2.43%	0.336%
5	8.574	2100	2115	2135	rBV	637223	1352584	22.44%	3.105%
6	10.085	2570	2585	2601	rBV	1283033	2345842	38.92%	5.386%
7	11.406	2979	2996	3019	rBV	946124	1776260	29.47%	4.078%
8	11.950	3146	3165	3179	rBV3	40324	100368	1.67%	0.230%
9	12.403	3294	3306	3318	rBV	900864	1518956	25.20%	3.487%
10	12.738	3402	3410	3419	rVB	114661	186144	3.09%	0.427%
11	12.895	3446	3459	3467	rBV	92379	190780	3.17%	0.438%
12	12.966	3475	3481	3494	rVB5	86439	139256	2.31%	0.320%
13	13.043	3496	3505	3515	rVB2	182082	291862	4.84%	0.670%
14	13.242	3560	3567	3574	rVB5	64690	92461	1.53%	0.212%
15	13.291	3575	3582	3589	rBV5	78434	103774	1.72%	0.238%
16	13.349	3589	3600	3608	rBV	1127250	2136942	35.46%	4.906%
17	13.519	3646	3653	3656	rBV2	104550	137093	2.27%	0.315%
18	13.548	3656	3662	3669	rVV2	281432	439146	7.29%	1.008%
19	13.590	3669	3675	3689	rVB3	215841	371017	6.16%	0.852%
20	13.667	3690	3699	3710	rBV7	181168	369579	6.13%	0.848%
21	13.808	3736	3743	3748	rBV	163095	241860	4.01%	0.555%
22	13.895	3761	3770	3779	rVB	580649	861575	14.30%	1.978%
23	13.950	3780	3787	3794	rVV3	128614	200825	3.33%	0.461%
24	14.001	3794	3803	3813	rVB	594320	936150	15.53%	2.149%
25	14.136	3835	3845	3852	rBV3	235589	460446	7.64%	1.057%
26	14.217	3863	3870	3876	rBV	391490	524406	8.70%	1.204%
27	14.255	3876	3882	3890	rVB	510564	748619	12.42%	1.719%
28	14.303	3891	3897	3902	rBV3	158040	201293	3.34%	0.462%
29	14.339	3903	3908	3915	rVB4	152070	175723	2.92%	0.403%
30	14.483	3945	3953	3962	rBV2	473470	750780	12.46%	1.724%
31	14.532	3963	3968	3976	rVB2	216025	281885	4.68%	0.647%
32	14.596	3976	3988	3999	rBV3	1716296	3590230	59.57%	8.243%
33	14.651	3999	4005	4017	rVB3	498978	872564	14.48%	2.003%
34	14.860	4062	4070	4076	rBV4	526043	841913	13.97%	1.933%

LSC Area Percent Report

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Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

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\82N091019W.M
Title : SW846 8260

35	14.963	4093	4102	4115	rVB3	676531	1342676	22.28%	3.083%
36	15.117	4144	4150	4163	rVB3	511656	839320	13.93%	1.927%
37	15.184	4166	4171	4177	rVB3	137605	163000	2.70%	0.374%
38	15.233	4179	4186	4193	rBV5	405218	709127	11.77%	1.628%
39	15.393	4226	4236	4248	rBV	702296	1432797	23.77%	3.289%
40	15.709	4325	4334	4342	rBV4	433569	782831	12.99%	1.797%
41	15.831	4364	4372	4380	rBV3	478028	833816	13.83%	1.914%
42	15.934	4398	4404	4411	rBV	368728	511598	8.49%	1.175%
43	16.049	4431	4440	4461	rVB	2315639	4434720	73.58%	10.181%
44	16.217	4479	4492	4511	rVB	2856802	6027083	100.00%	13.837%
45	16.660	4622	4630	4656	rVB5	565873	1399000	23.21%	3.212%

Sum of corrected areas: 43557380

LSC Report - Integrated Chromatogram

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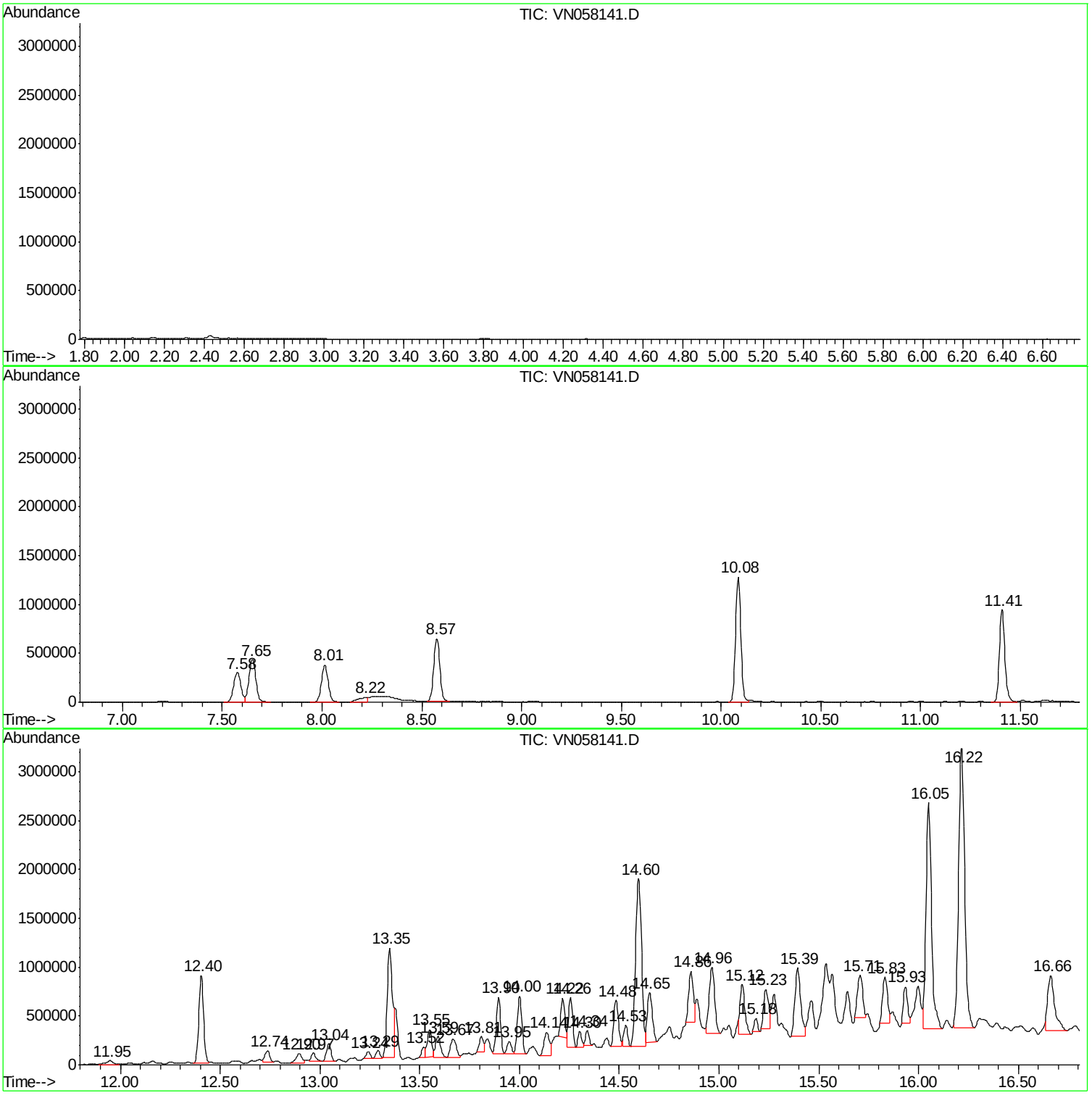
Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.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\VN091719\
Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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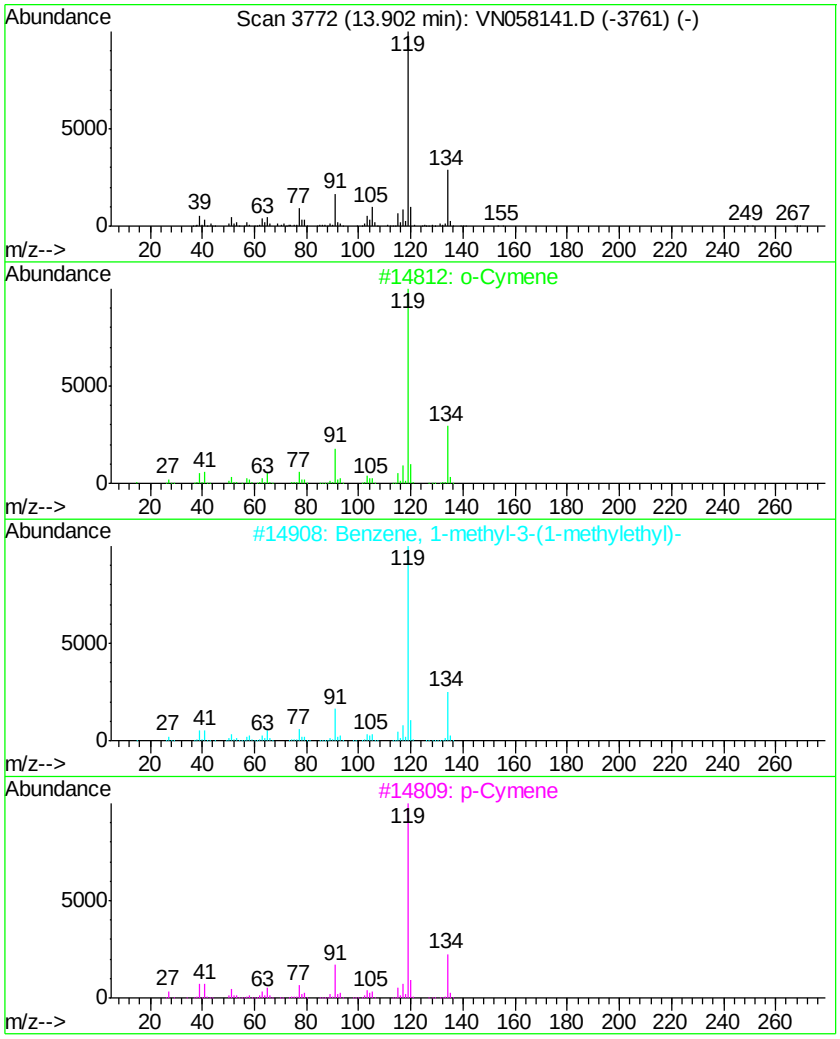
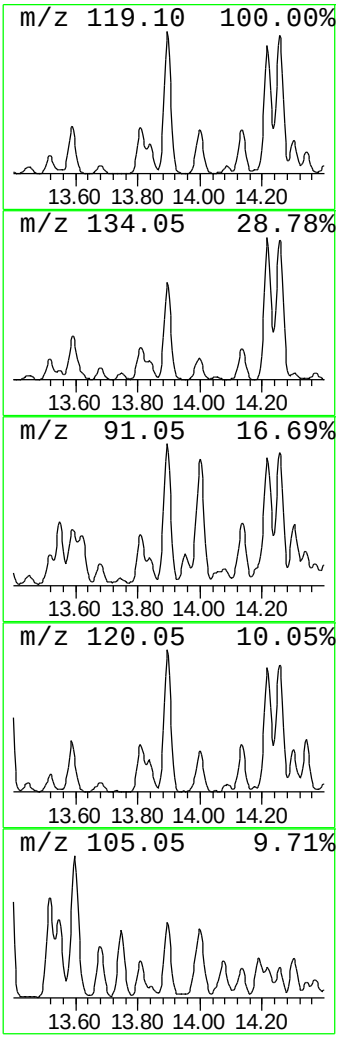
Peak Number 1 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	20.16 ug/l	861575	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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





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Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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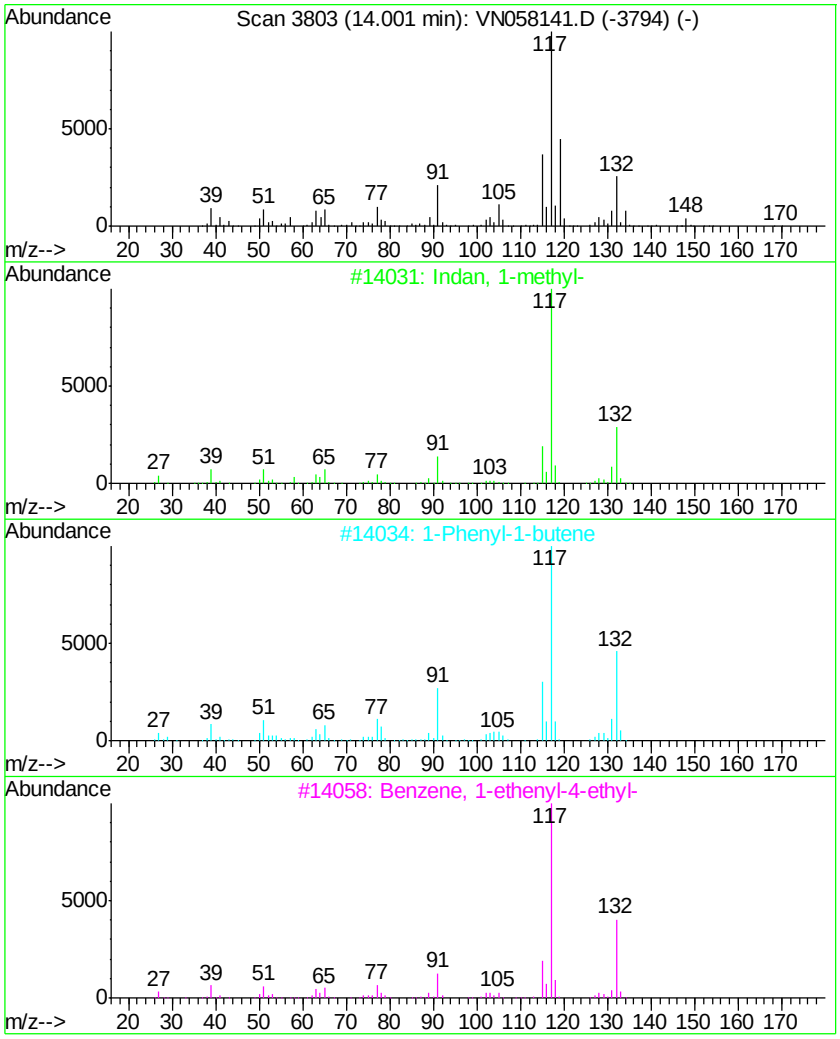
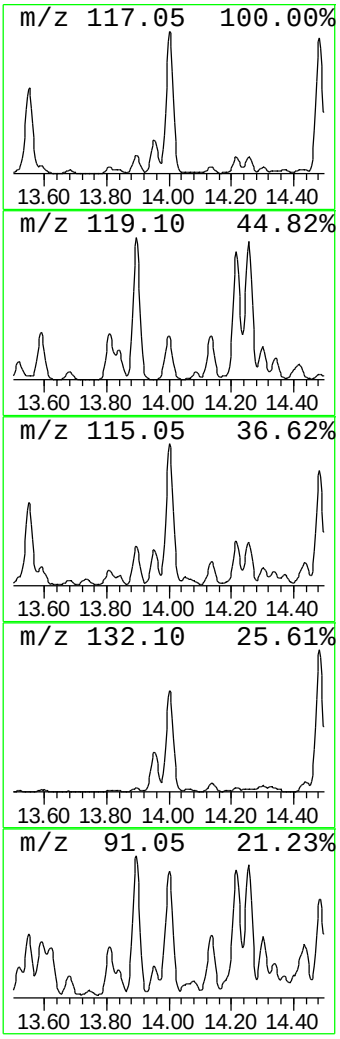
Peak Number 2 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	21.90 ug/l	936150	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	70
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64





Library Search Compound Report

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Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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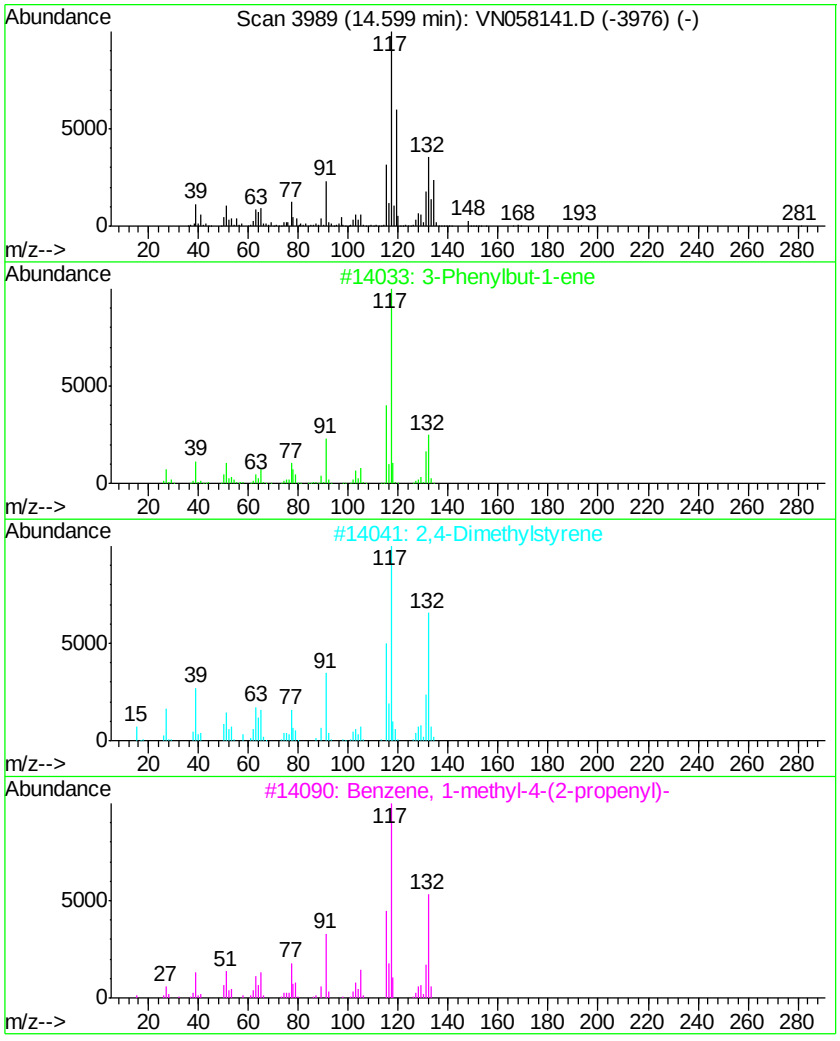
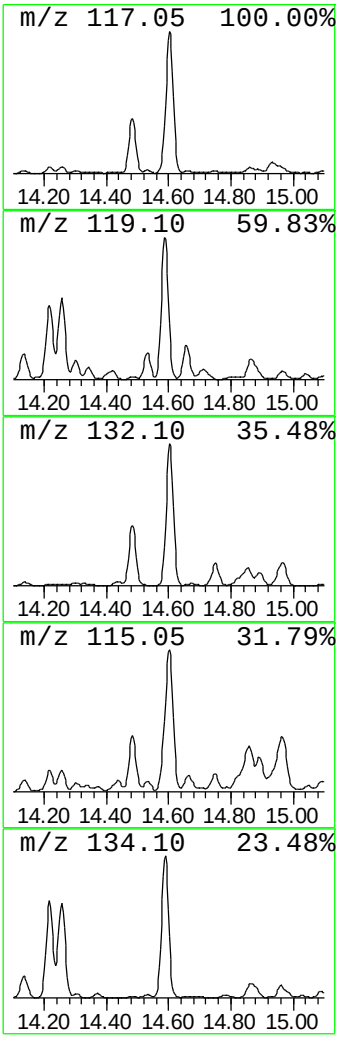
Peak Number 3 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	84.00 ug/l	3590230	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	83
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091719\
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Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

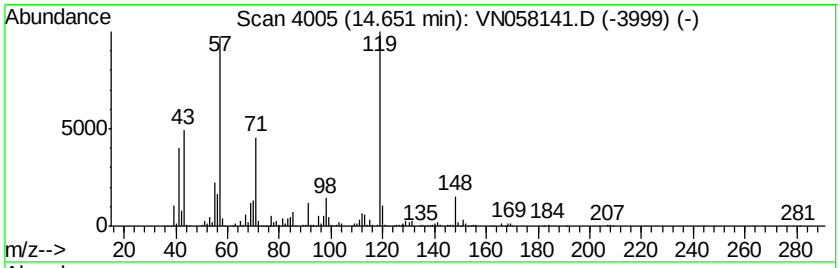
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

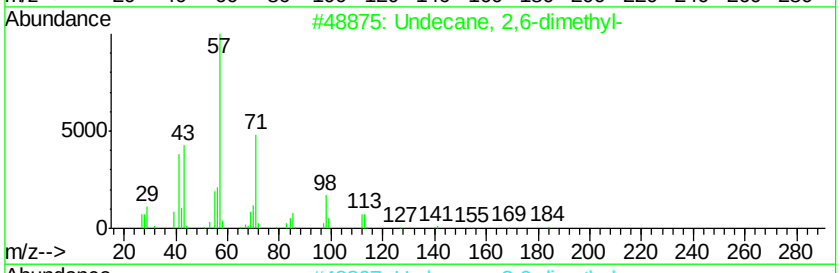
****

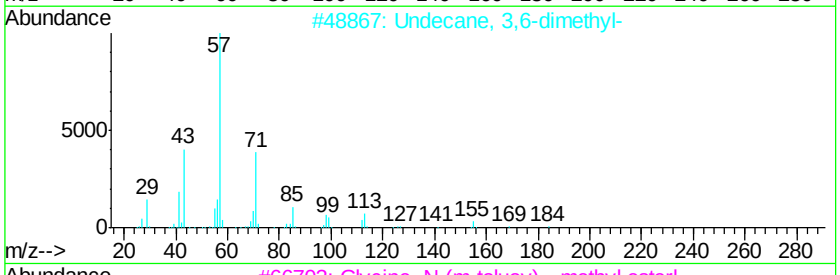
Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 8

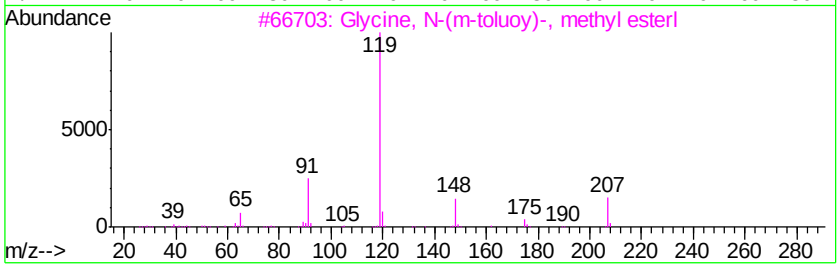
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	20.42 ug/l	872564	1,4-Dichlorobenzene-d4	13.35

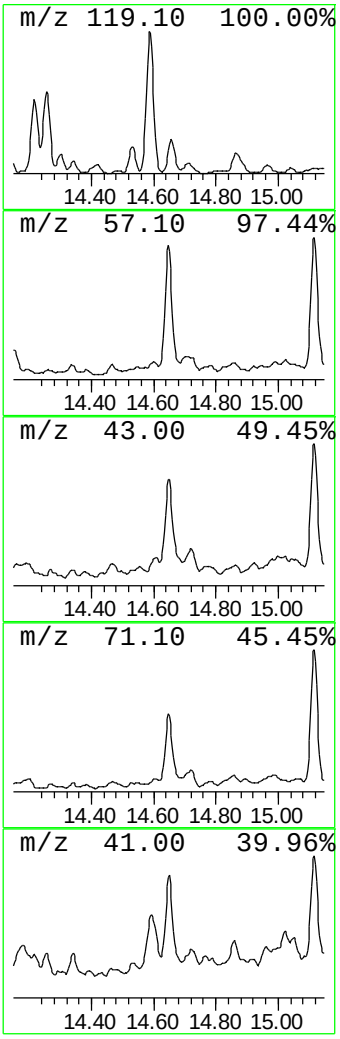
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	42
3	Glycine, N-(m-toluoy)-, methyl e...	207	C11H13NO3	1000299-63-8	38
4	m-Toluic acid, 4-chlorophenyl ester	246	C14H11ClO2	1000307-56-6	35
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	35











Library Search Compound Report

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

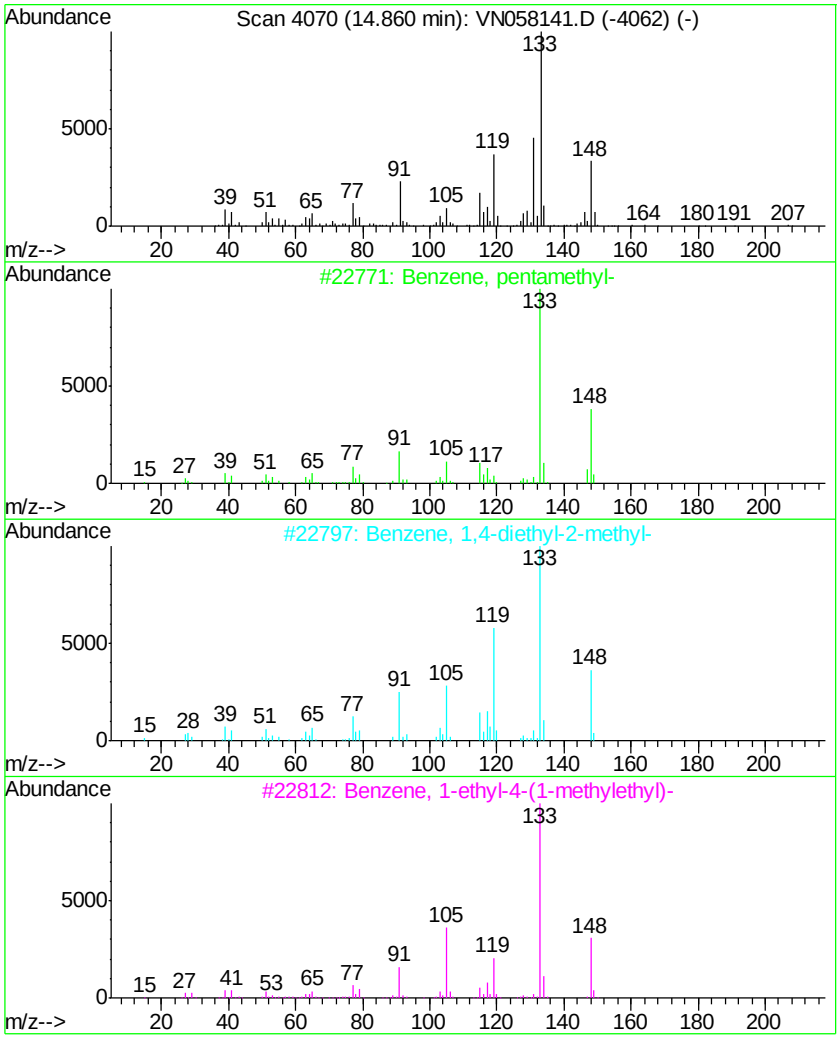
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

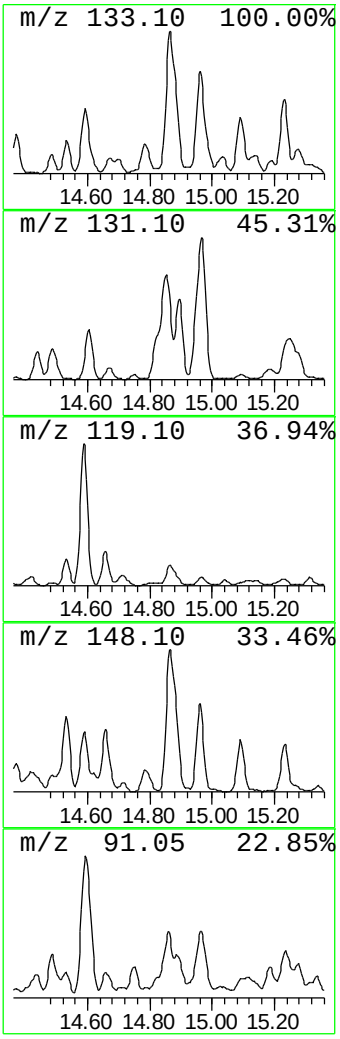
****

Peak Number 5 Benzene, pentamethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	19.70 ug/l	841913	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58





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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

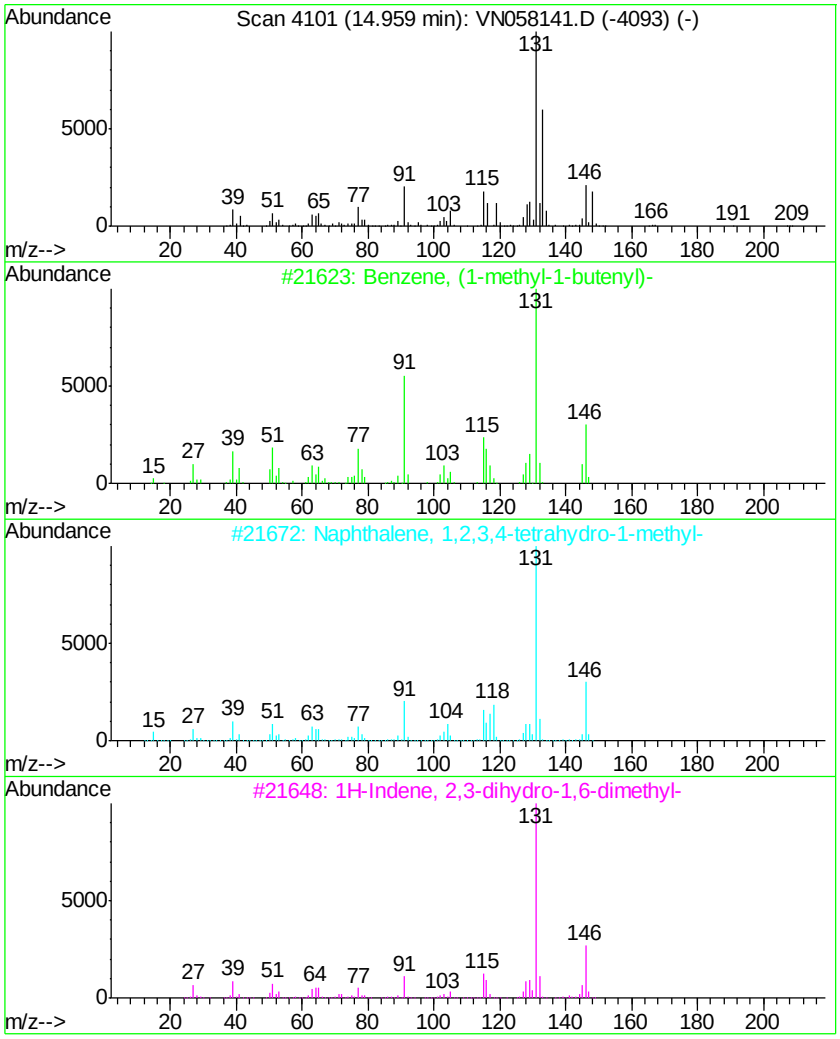
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

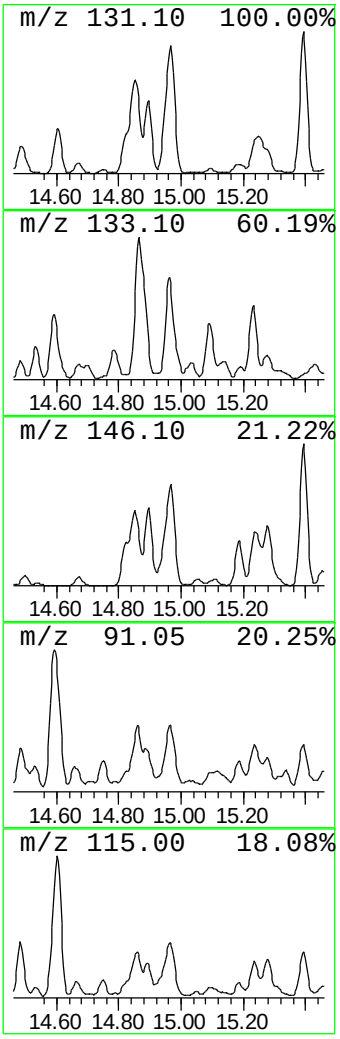
****

Peak Number 6 Benzene, (1-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	31.42 ug/l	1342680	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	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	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





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Acq On : 17 Sep 2019 12:05
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Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

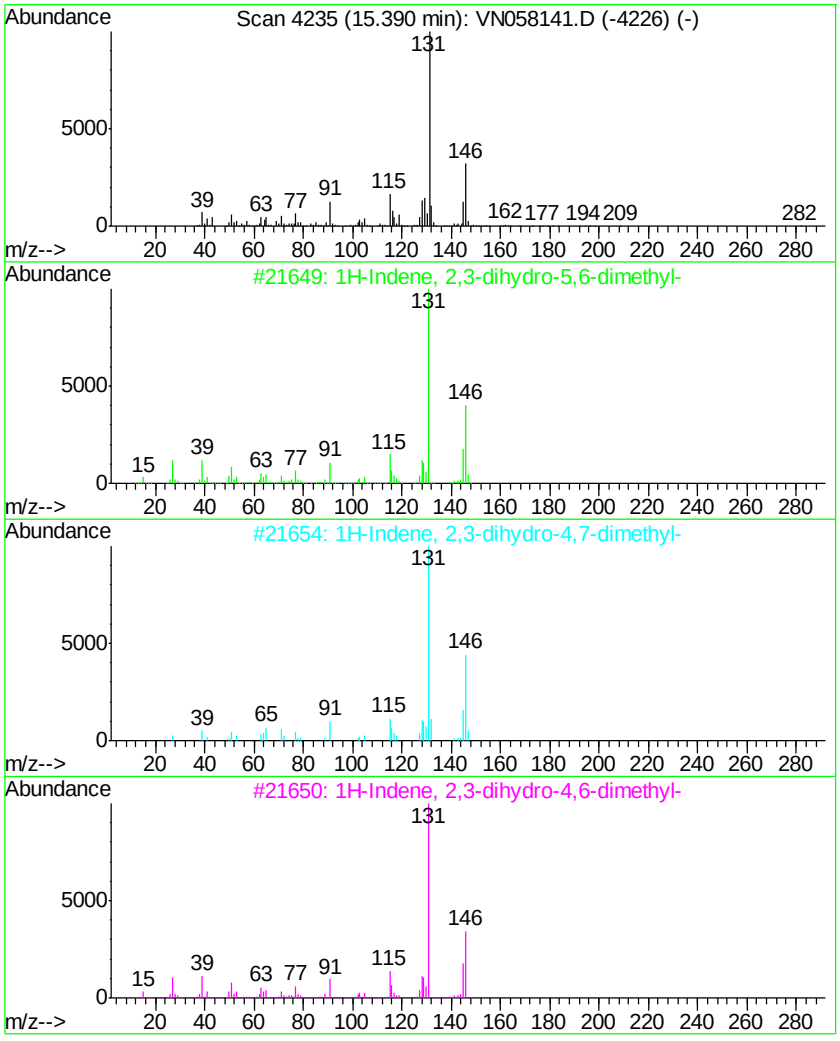
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

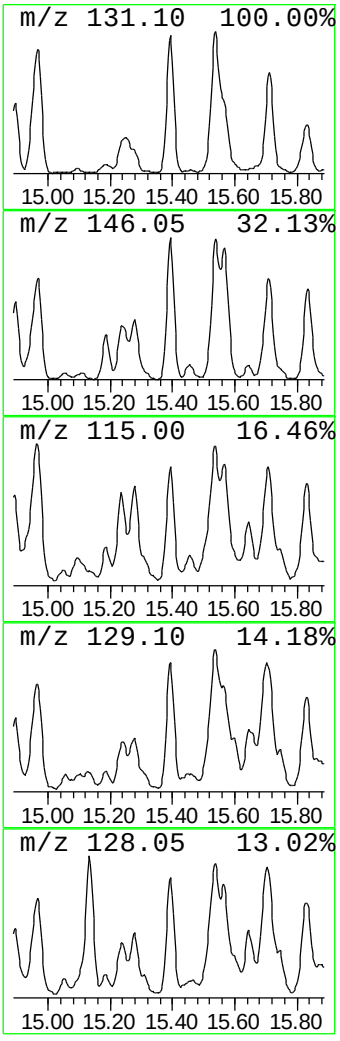
****

Peak Number 7 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	33.52 ug/l	1432800	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90





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Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

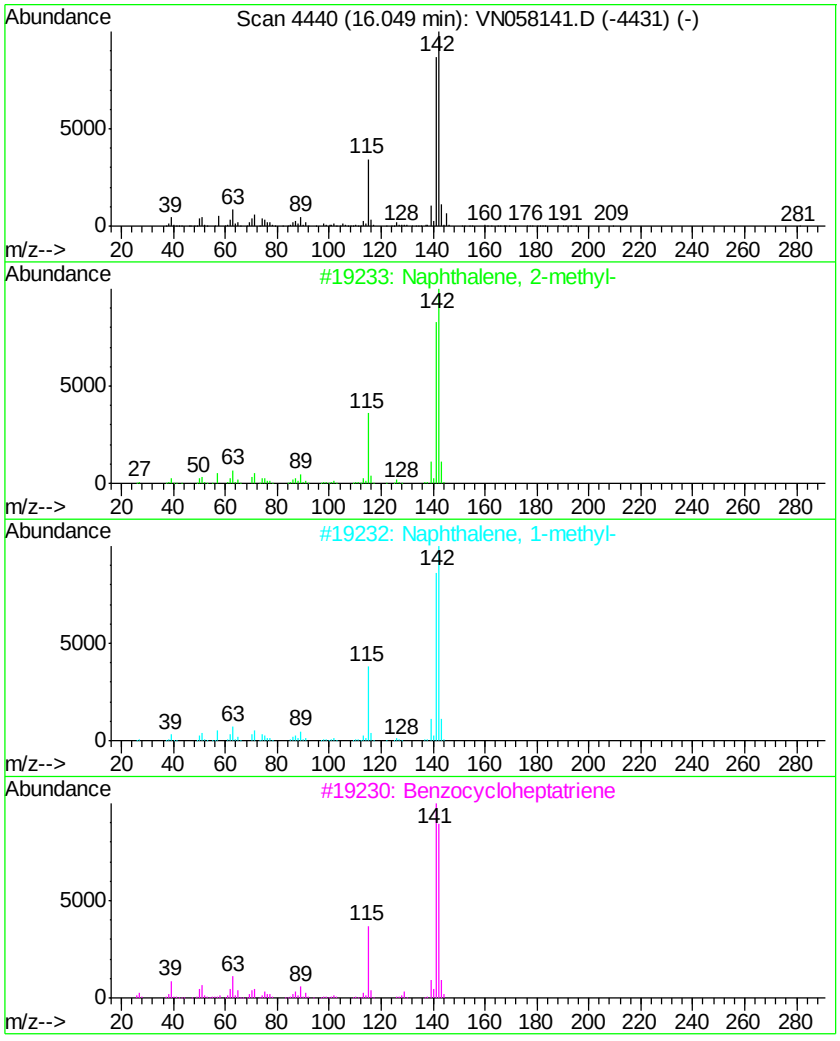
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

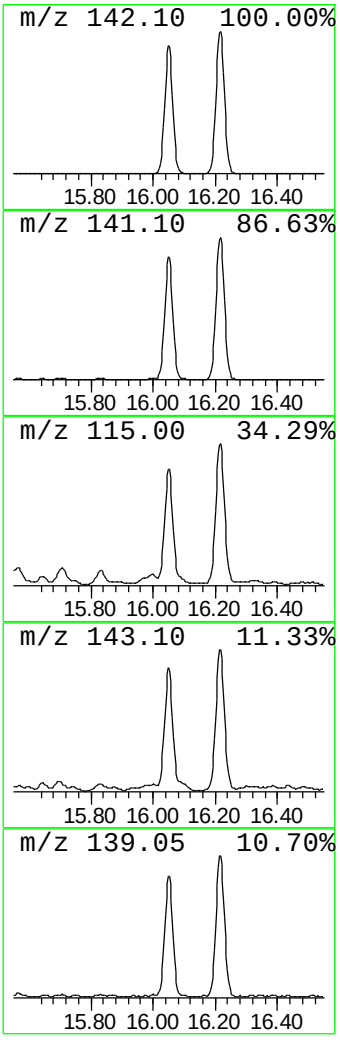
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	103.76 ug/l	4434720	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091719\
Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

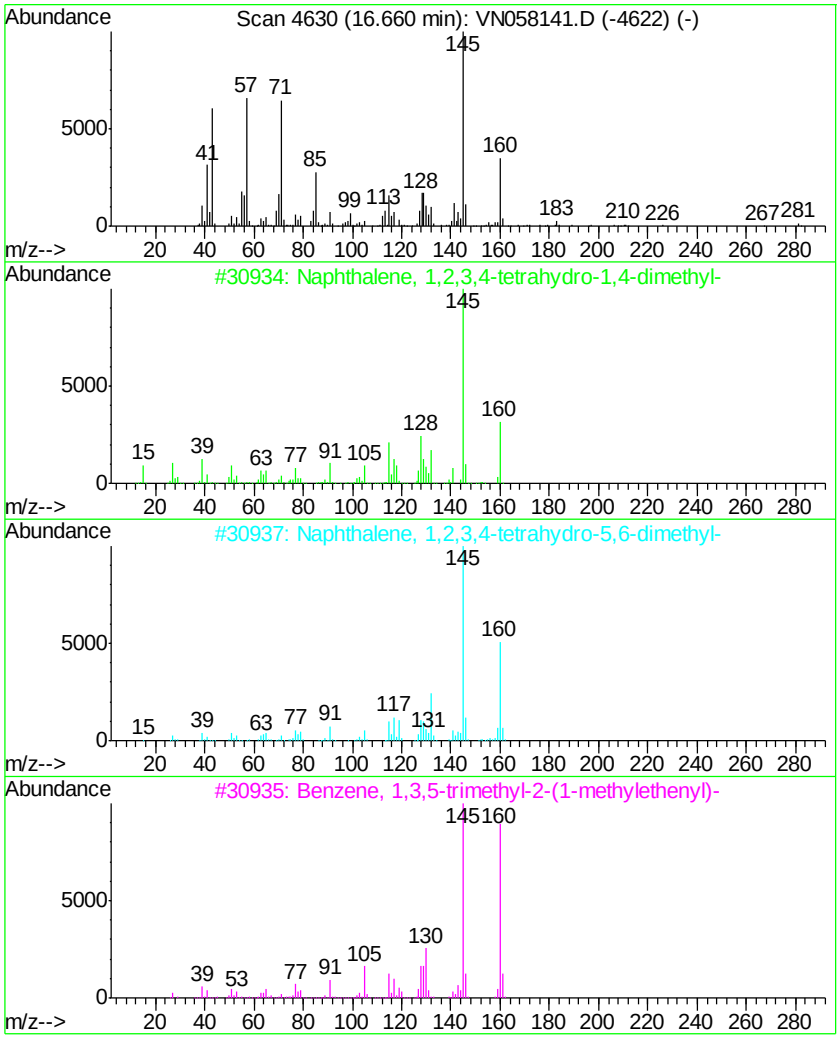
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

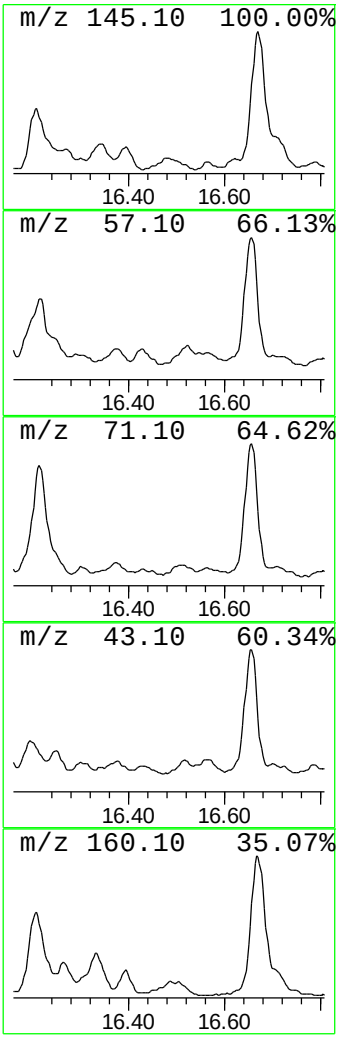
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	32.73 ug/l	1399000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	60
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
4	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	60
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091719\
Data File : VN058141.D
Acq On : 17 Sep 2019 12:05
Operator : JC/SP
Sample : K4871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VE-3-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.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
o-Cymene	13.90	20.2	ug/l	861575	4	13.35	2136940	50.0
Indan, 1-methyl-	14.00	21.9	ug/l	936150	4	13.35	2136940	50.0
3-Phenylbut-1-ene	14.60	84.0	ug/l	3590230	4	13.35	2136940	50.0
Undecane, 2,6-dim...	14.65	20.4	ug/l	872564	4	13.35	2136940	50.0
Benzene, pentamet...	14.86	19.7	ug/l	841913	4	13.35	2136940	50.0
Benzene, (1-methy...	14.96	31.4	ug/l	1342680	4	13.35	2136940	50.0
1H-Indene, 2,3-di...	15.39	33.5	ug/l	1432800	4	13.35	2136940	50.0
Naphthalene, 1-me...	16.05	103.8	ug/l	4434720	4	13.35	2136940	50.0
Naphthalene, 1,2,...	16.66	32.7	ug/l	1399000	4	13.35	2136940	50.0