LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

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\82N092719W.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	3.793	609	628	661	rBV	738884	1911128	17.27%	2.223%
2	4.037	683	704	728	rBV	115466	329393	2.98%	0.383%
3	4.532	835	858	894	rVB4	38714	141806	1.28%	0.165%
4	4.757	898	928	956	rBV2	36027	126151	1.14%	0.147%
5	5.021	983	1010	1042	rBV2	171386	639339	5.78%	0.744%
6	5.931	1269	1293	1316	rBV2	63751	205232	1.85%	0.239%
7	6.815	1544	1568	1591	rBV	290828	852671	7.70%	0.992%
8	7.574	1782	1804	1815	rBV2	246390	621722	5.62%	0.723%
9	7.651	1816	1828	1845	rVB	467166	1113118	10.06%	1.295%
10	8.021	1923	1943	1964	rBV3	630143	1666949	15.06%	1.939%
11	8.210	1967	2002	2016	rBV6	100087	434507	3.93%	0.505%
12	8.429	2060	2070	2091	rVB3	69095	171648	1.55%	0.200%
13	8.574	2100	2115	2153	rVB	704298	1504305	13.59%	1.750%
14	9.030	2244	2257	2266	rBV	118552	259978	2.35%	0.302%
15	9.513	2393	2407	2428	rBV	131752	261128	2.36%	0.304%
16	9.648	2428	2449	2462	rBV4	61079	157791	1.43%	0.184%
17	10.085	2572	2585	2594	rBV	1083187	2035677	18.39%	2.368%
18	10.152	2594	2606	2633	rVB	5733856	11069049	100.00%	12.877%
19	10.631	2737	2755	2773	rVB5	41908	114610	1.04%	0.133%
20	11.410	2984	2997	3016	rBV	958999	1679375	15.17%	1.954%
21	11.512	3016	3029	3046	rVV	1434429	2417398	21.84%	2.812%
22	11.619	3046	3062	3085	rVV	4906820	9407303	84.99%	10.944%
23	11.950	3145	3165	3182	rBV	3779423	6325474	57.15%	7.358%
24	12.252	3249	3259	3270	rBV	111128	178969	1.62%	0.208%
25	12.406	3297	3307	3327	rVB	776895	1304284	11.78%	1.517%
26	12.596	3343	3366	3375	rBV	366100	619655	5.60%	0.721%
27	12.660	3375	3386	3393	rBV	1950193	3223245	29.12%	3.750%
28	12.738	3403	3410	3423	rVB	1105849	1746193	15.78%	2.031%
29	12.898	3442	3460	3475	rBV	1068499	1739228	15.71%	2.023%
30	13.046	3492	3506	3518	rBV	4897519	7820988	70.66%	9.098%
31	13.352	3589	3601	3604	rBV	964434	1472405	13.30%	1.713%
32	13.381	3604	3610	3625	rVB	1920783	3103141	28.03%	3.610%
33	13.551	3644	3663	3671	rBV	1760746	3110383	28.10%	3.618%
34	13.590	3671	3675	3694	rVB2	524362	899414	8.13%	1.046%

LSC Area Percent Report

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Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

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\82N092719W.M
Title : SW846 8260

35	13.747	3711	3724	3733	rVB2	126528	232595	2.10%	0.271%
36	13.811	3734	3744	3749	rBV	394822	643282	5.81%	0.748%
37	13.898	3761	3771	3780	rVB	551303	842857	7.61%	0.981%
38	13.953	3780	3788	3795	rVV2	140388	213525	1.93%	0.248%
39	14.004	3795	3804	3817	rVB2	554408	895132	8.09%	1.041%
40	14.136	3836	3845	3856	rVB	196846	312774	2.83%	0.364%
41	14.220	3860	3871	3876	rVV	448887	714915	6.46%	0.832%
42	14.258	3876	3883	3892	rVV	720640	1139310	10.29%	1.325%
43	14.303	3892	3897	3904	rVV2	99189	150503	1.36%	0.175%
44	14.487	3945	3954	3964	rVV	689197	1149877	10.39%	1.338%
45	14.532	3964	3968	3976	rVV2	99557	137441	1.24%	0.160%
46	14.602	3976	3990	4002	rVV3	1395347	2632111	23.78%	3.062%
47	14.663	4002	4009	4021	rVB4	87916	159361	1.44%	0.185%
48	14.750	4026	4036	4050	rBV	359991	586136	5.30%	0.682%
49	14.860	4052	4070	4077	rBV4	249806	605008	5.47%	0.704%
50	14.966	4091	4103	4116	rVB3	252313	548964	4.96%	0.639%
51	15.133	4136	4155	4167	rBV	1707792	2852373	25.77%	3.318%
52	15.239	4179	4188	4195	rVV4	107419	199474	1.80%	0.232%
53	15.281	4196	4201	4208	rVB2	87524	122030	1.10%	0.142%
54	15.397	4226	4237	4247	rBV	199517	335668	3.03%	0.390%
55	15.541	4267	4282	4285	rBV5	131825	244810	2.21%	0.285%
56	15.712	4324	4335	4357	rVB3	119720	261355	2.36%	0.304%
57	15.837	4362	4374	4387	rBV3	117887	230674	2.08%	0.268%
58	16.001	4410	4425	4431	rBV4	67249	140862	1.27%	0.164%
59	16.052	4431	4441	4466	rVB	545983	1034490	9.35%	1.203%
60	16.220	4479	4493	4515	rBV	384656	790275	7.14%	0.919%
61	16.673	4623	4634	4642	rBV	58635	122066	1.10%	0.142%

Sum of corrected areas: 85961525

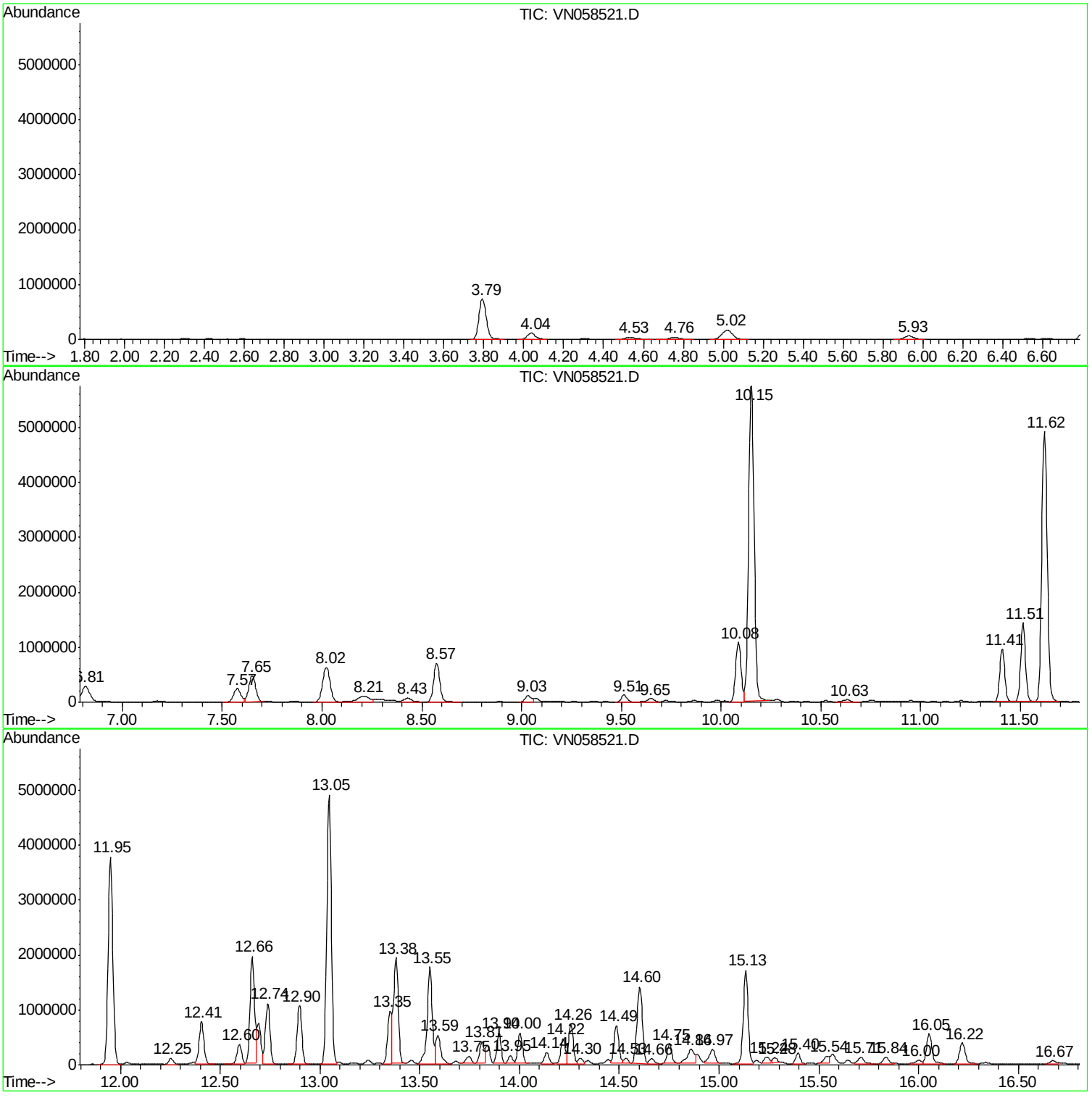
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
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Instrument : MSVOA_N
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

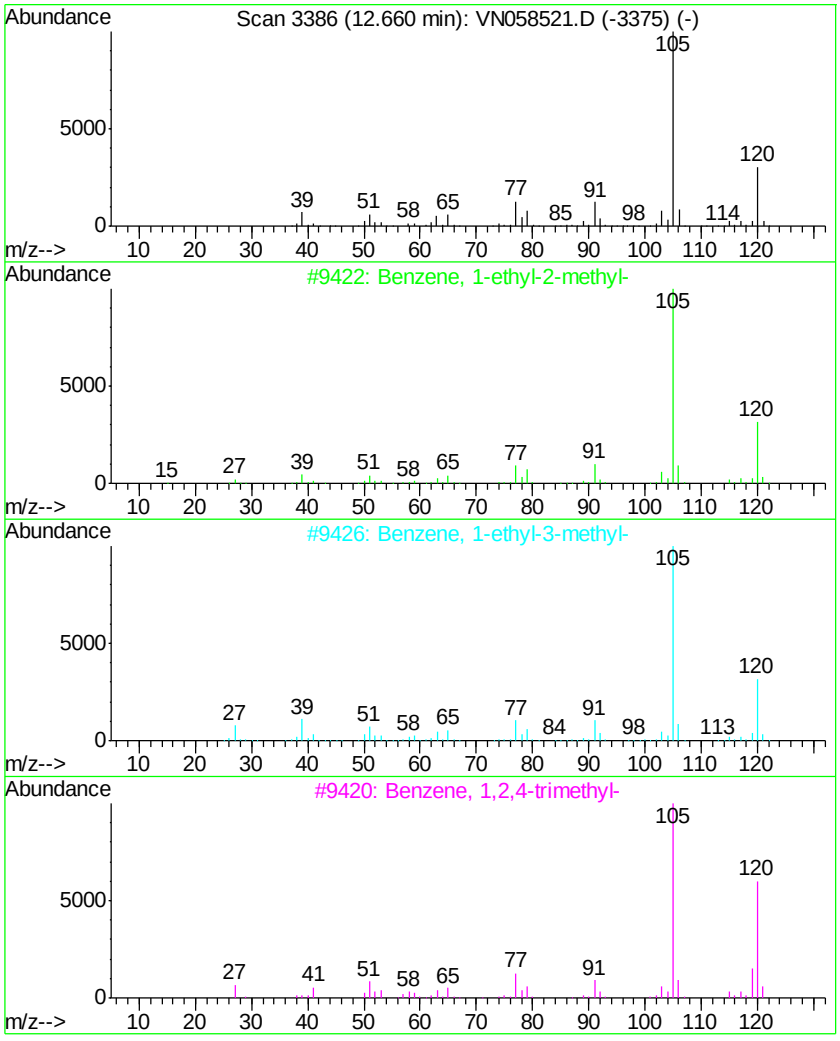
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

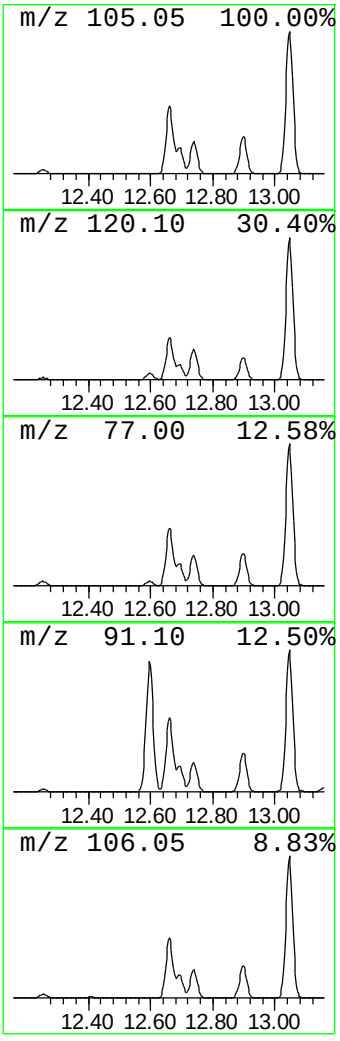
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	109.46 ug/l	3223250	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

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

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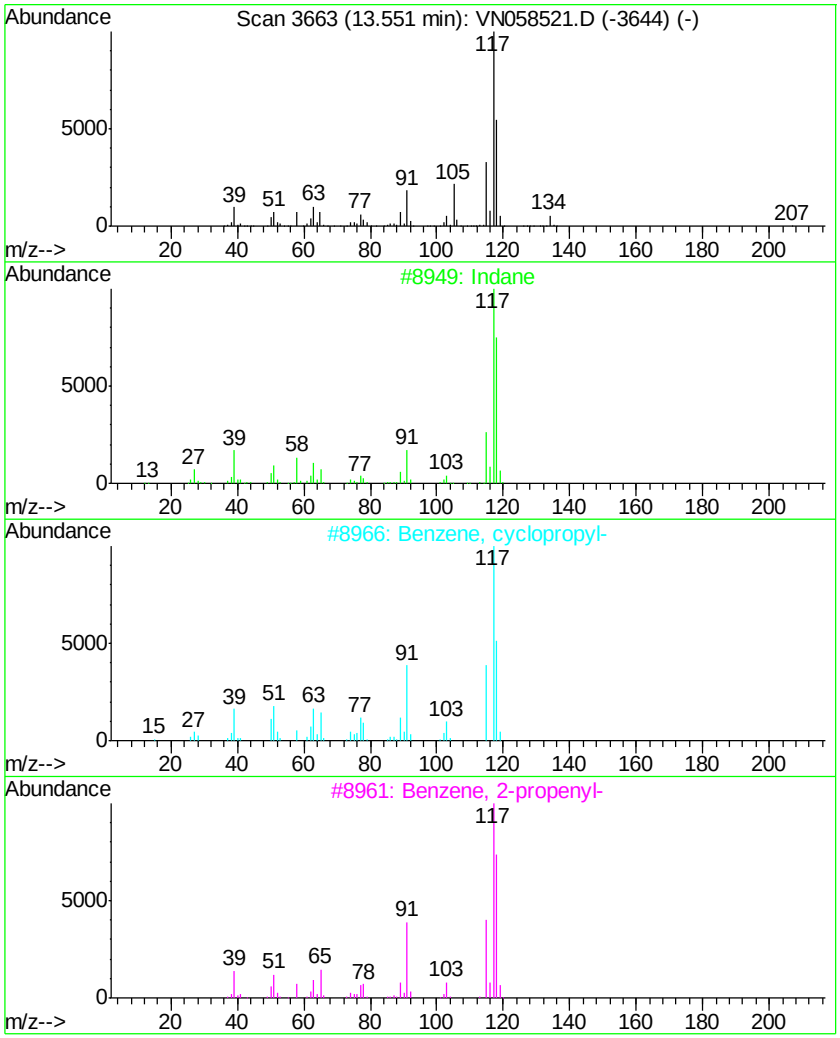
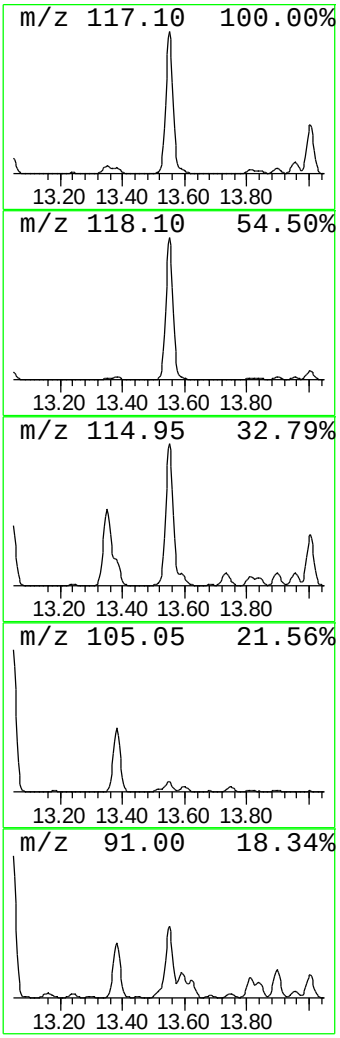
Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	105.62 ug/l	3110380	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	62
5	Deltacyclene	118	C9H10	007785-10-6	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

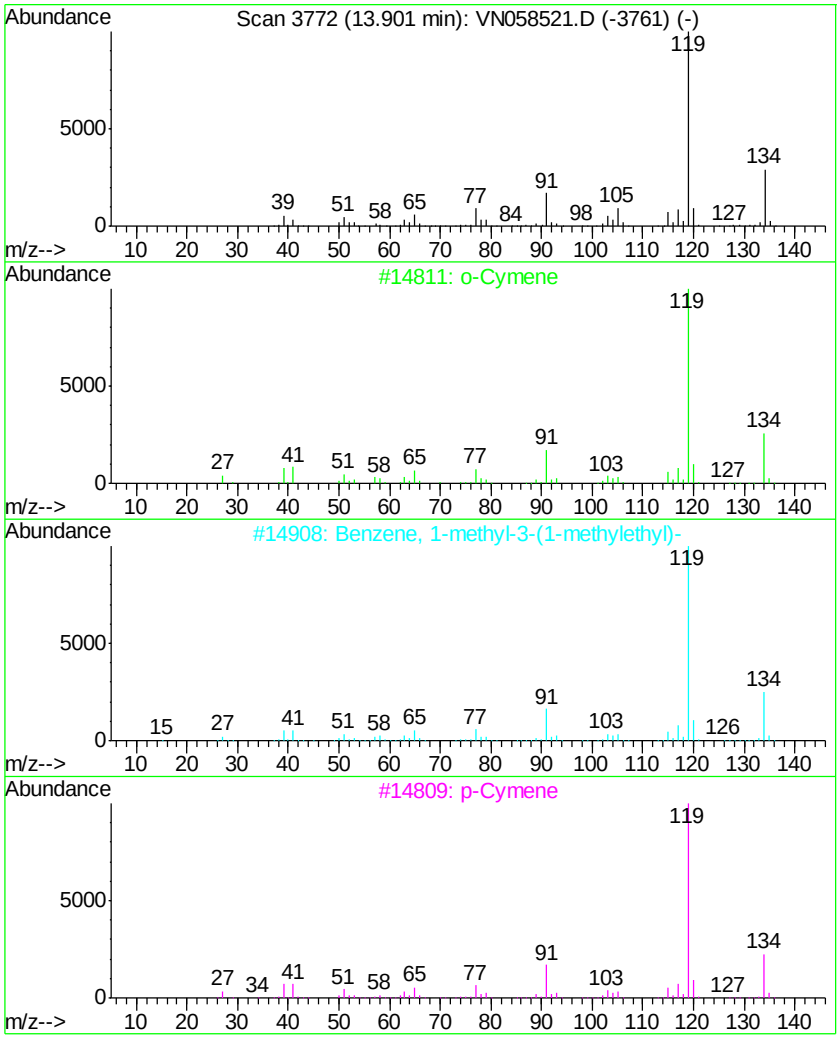
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

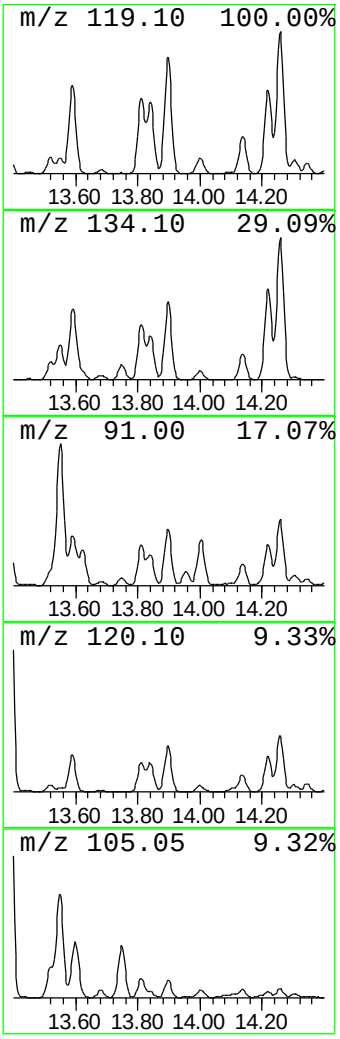
****

Peak Number 4 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	28.62 ug/l	842857	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

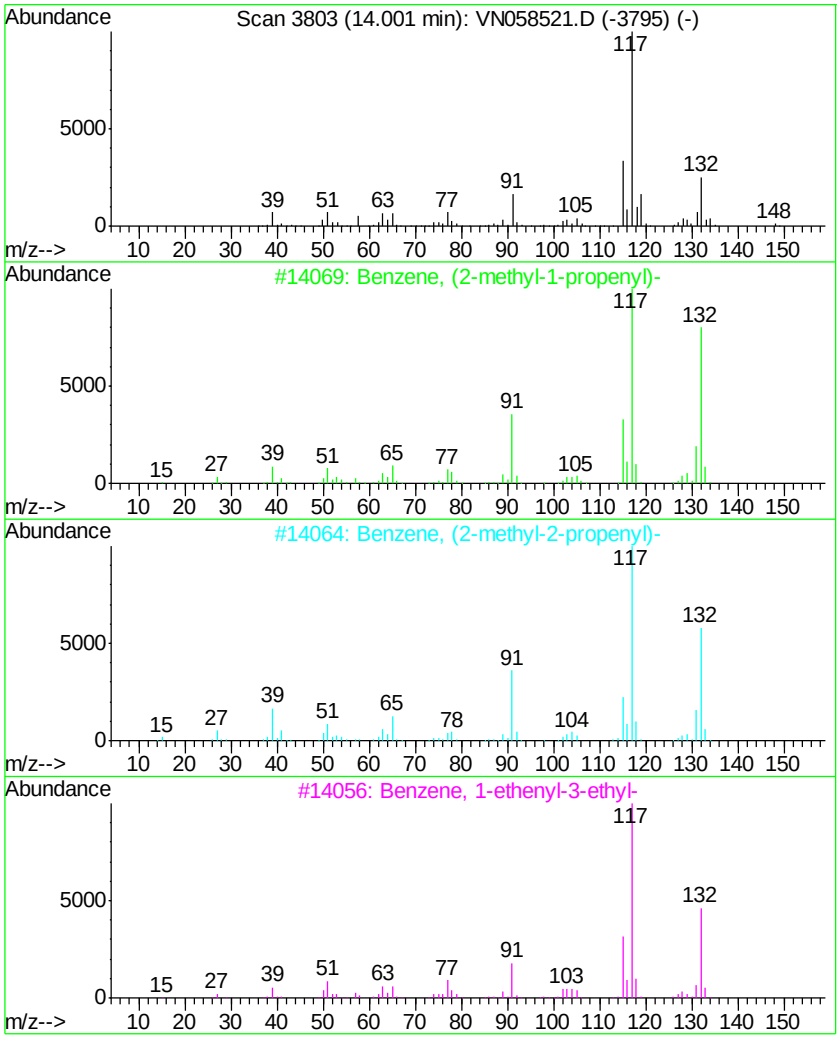
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

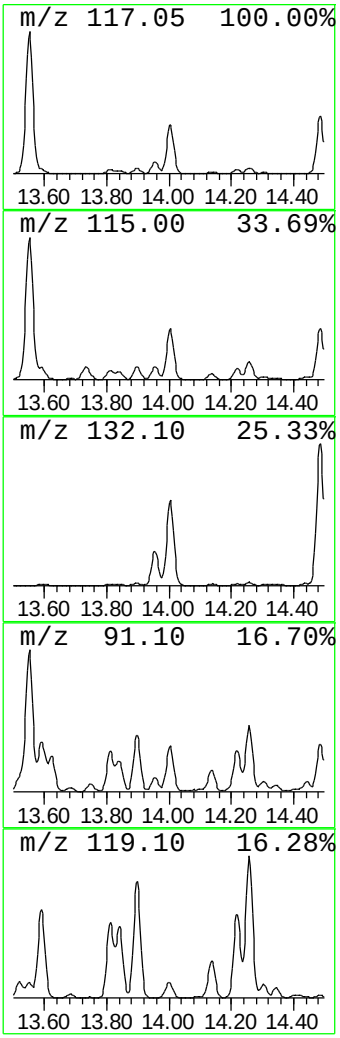
****

Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	30.40 ug/l	895132	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
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Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

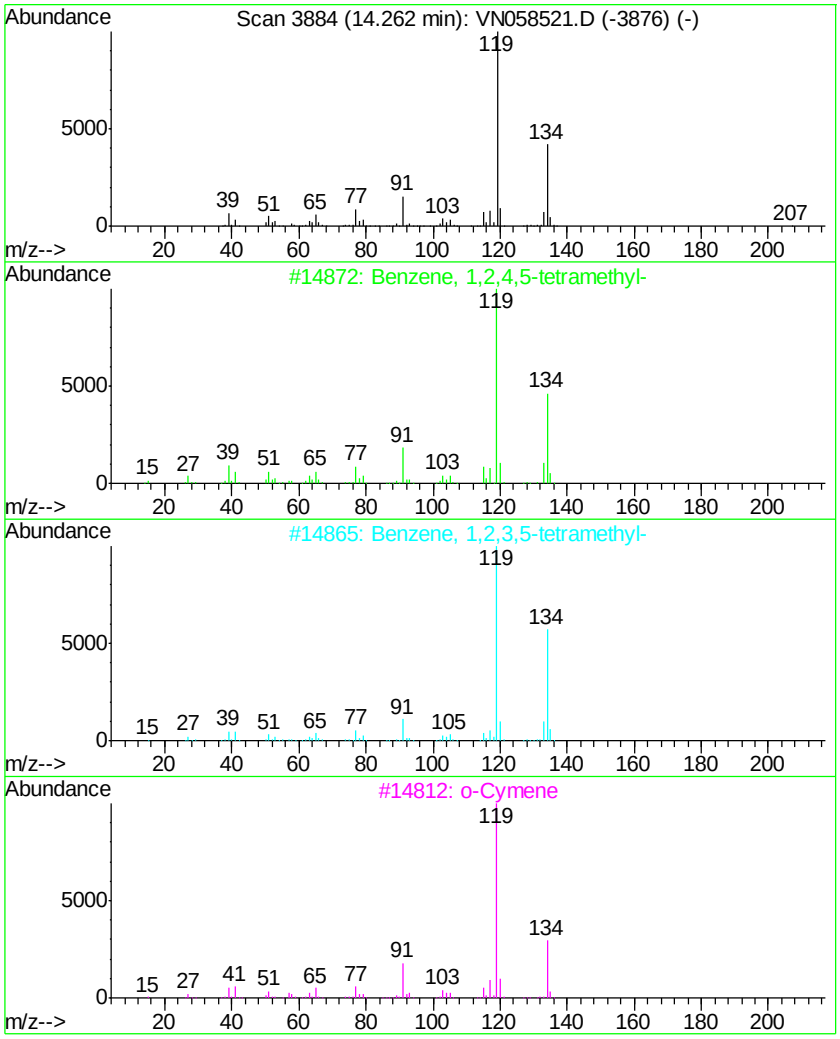
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

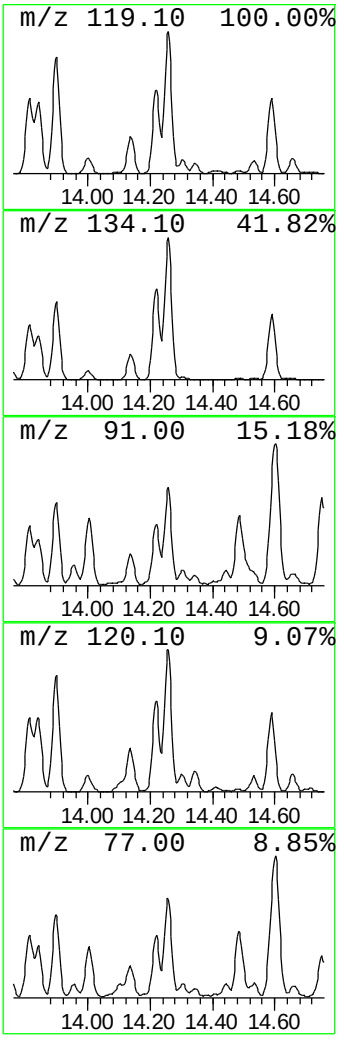
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	38.69 ug/l	1139310	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

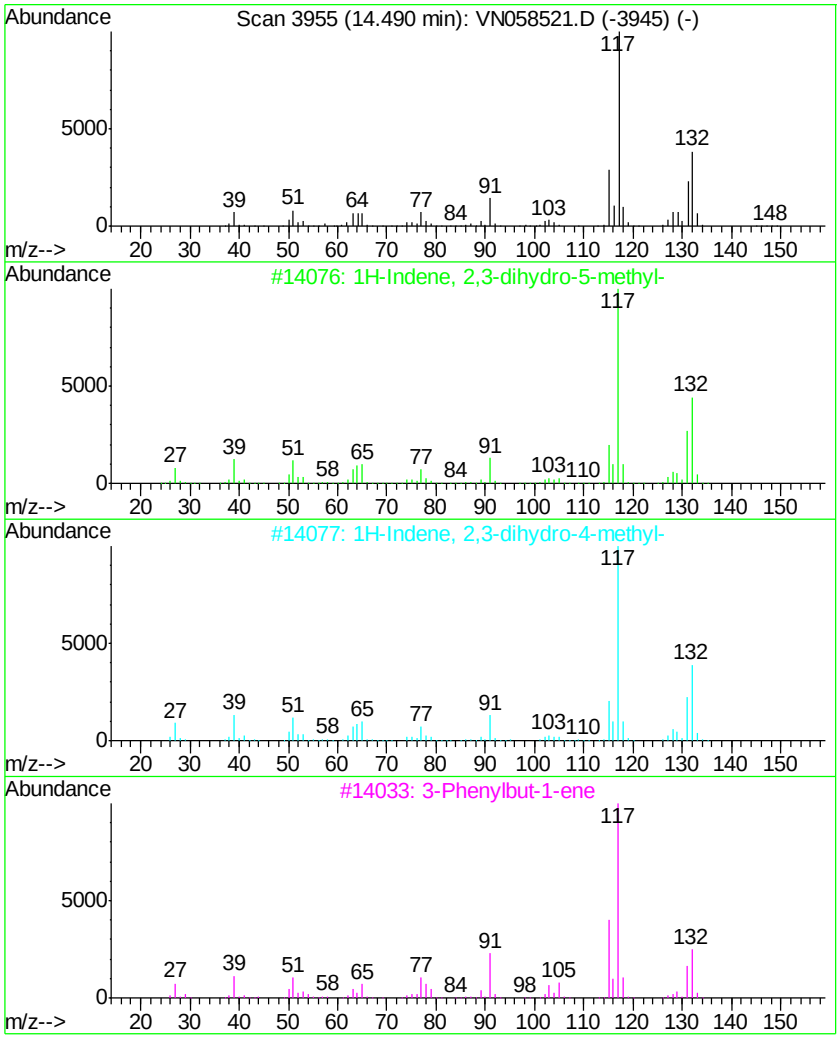
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

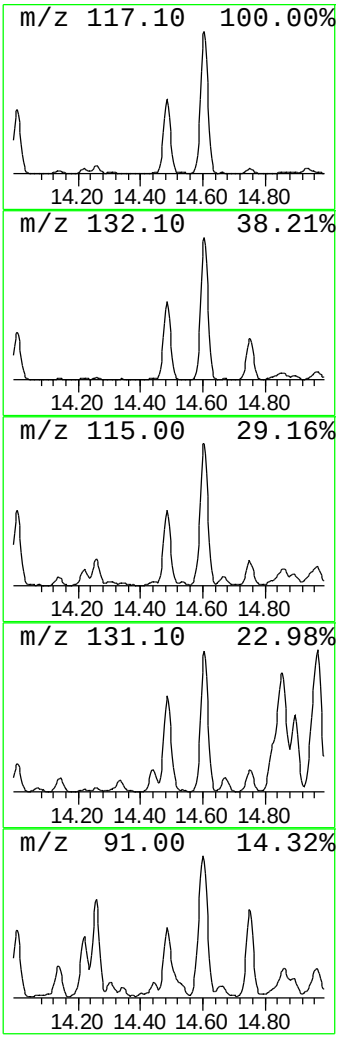
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	39.05 ug/l	1149880	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

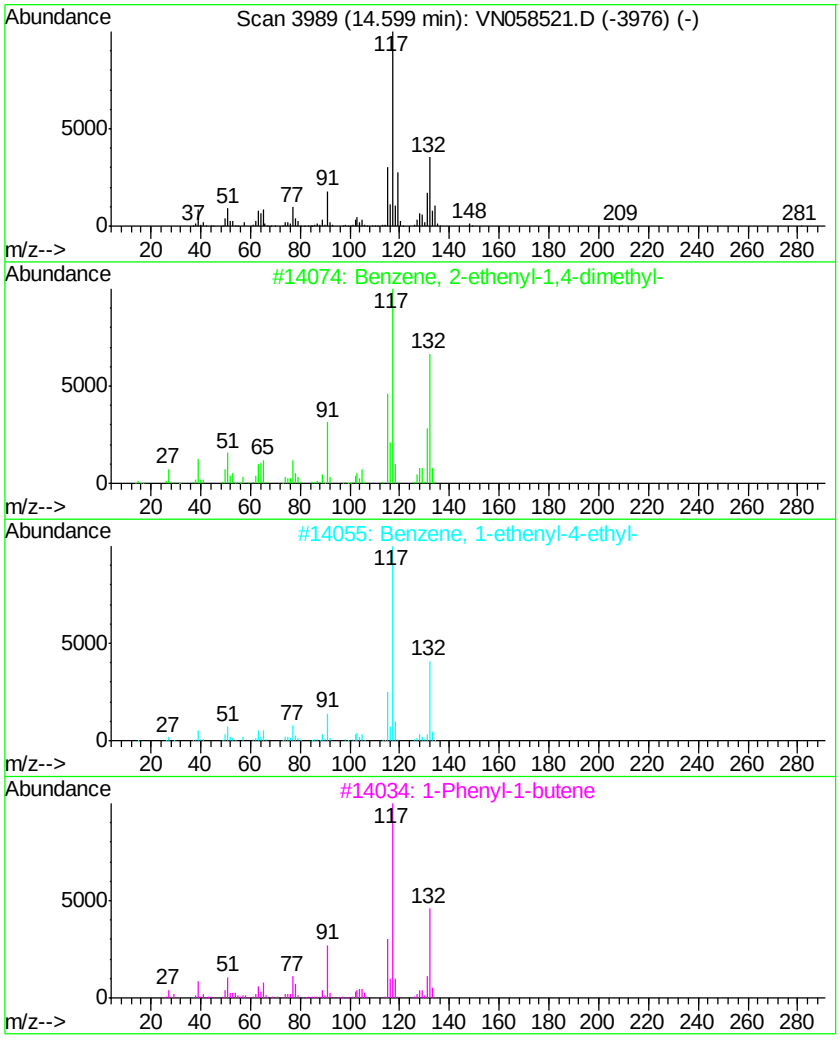
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

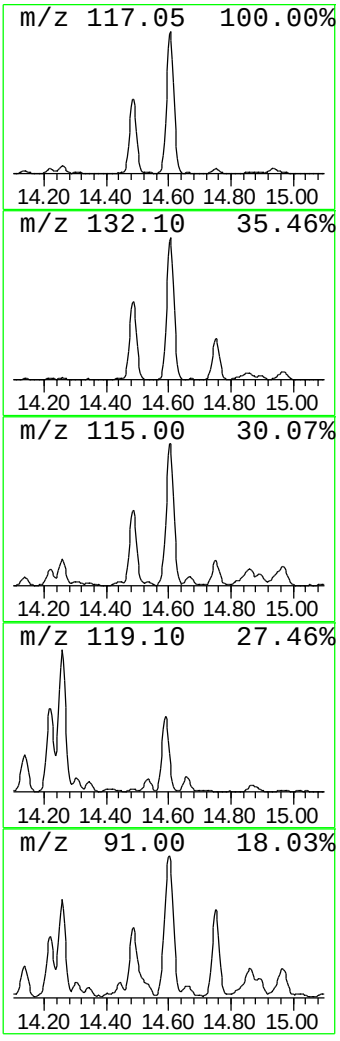
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	89.38 ug/l	2632110	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	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260

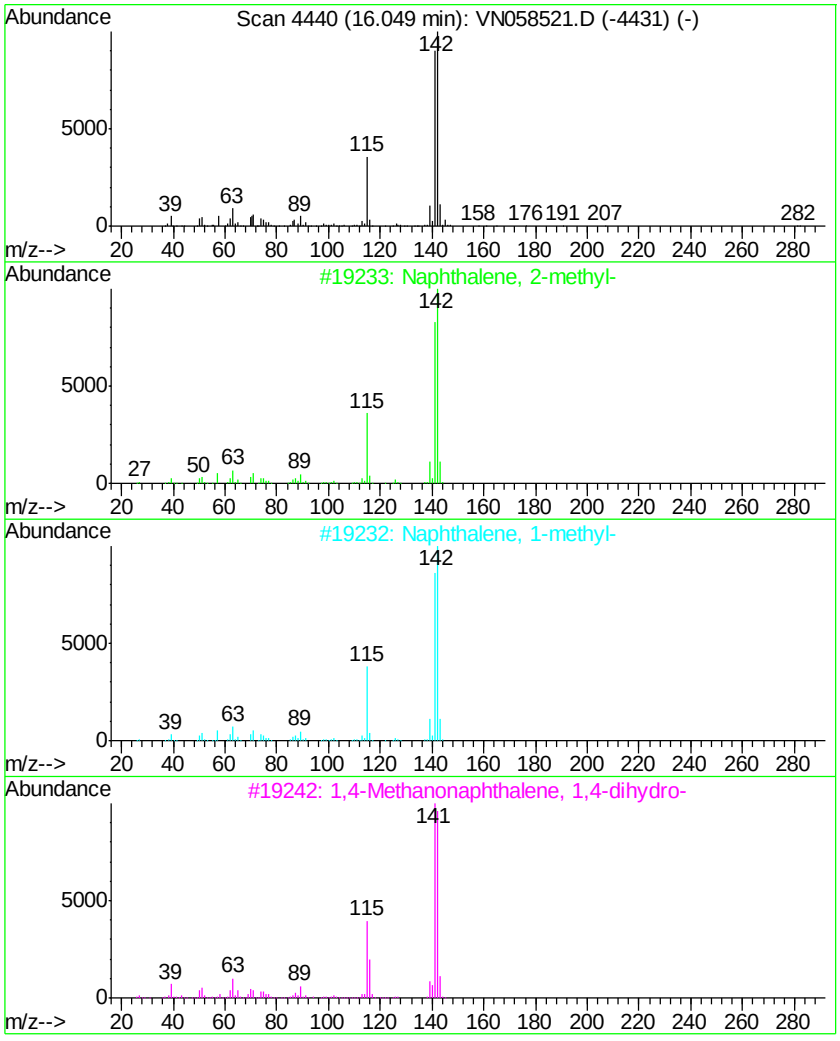
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

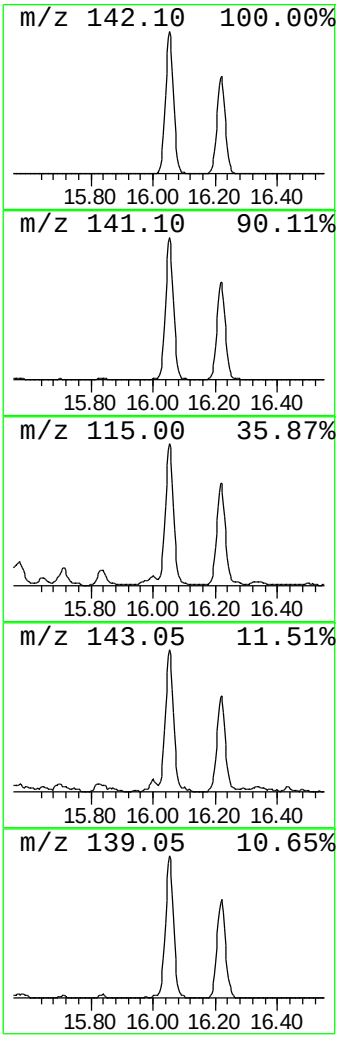
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	35.13 ug/l	1034490	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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
Data File : VN058521.D
Acq On : 3 Oct 2019 19:24
Operator : JC/SP
Sample : K5180-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 30474

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.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-ethyl-...	12.66	109.5	ug/l	3223250	4	13.35	1472410	50.0
Indane	13.55	105.6	ug/l	3110380	4	13.35	1472410	50.0
o-Cymene	13.90	28.6	ug/l	842857	4	13.35	1472410	50.0
Benzene, (2-methy...	14.00	30.4	ug/l	895132	4	13.35	1472410	50.0
Benzene, 1,2,4,5-...	14.26	38.7	ug/l	1139310	4	13.35	1472410	50.0
1H-Indene, 2,3-di...	14.49	39.0	ug/l	1149880	4	13.35	1472410	50.0
Benzene, 2-etheny...	14.60	89.4	ug/l	2632110	4	13.35	1472410	50.0
Naphthalene, 1-me...	16.05	35.1	ug/l	1034490	4	13.35	1472410	50.0