LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

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\82N042919W.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	7.593	1790	1810	1821	rBV2	299788	753225	28.30%	3.741%
2	7.667	1821	1833	1862	rVB	555875	1327970	49.90%	6.596%
3	8.030	1929	1946	1968	rBV	339424	810737	30.46%	4.027%
4	8.262	1996	2018	2020	rBV5	9808	28883	1.09%	0.143%
5	8.587	2102	2119	2167	rBV	781545	1767506	66.41%	8.779%
6	10.091	2569	2587	2618	rBV	1189587	2328340	87.49%	11.565%
7	10.953	2841	2855	2863	rBV4	15304	28438	1.07%	0.141%
8	11.008	2863	2872	2883	rVB3	17979	28889	1.09%	0.143%
9	11.210	2924	2935	2949	rVB9	15088	31739	1.19%	0.158%
10	11.407	2982	2996	3017	rBV	1009856	1865613	70.10%	9.266%
11	11.509	3017	3028	3045	rVB	67054	130320	4.90%	0.647%
12	11.619	3045	3062	3082	rBV	310881	719949	27.05%	3.576%
13	11.943	3143	3163	3178	rBV5	67370	238423	8.96%	1.184%
14	12.043	3187	3194	3200	rBV	31743	45773	1.72%	0.227%
15	12.117	3210	3217	3224	rBV2	47017	72472	2.72%	0.360%
16	12.165	3225	3232	3248	rVB5	70400	132365	4.97%	0.657%
17	12.249	3249	3258	3269	rBV	109922	172123	6.47%	0.855%
18	12.336	3280	3285	3293	rVB5	28844	43163	1.62%	0.214%
19	12.400	3293	3305	3321	rBV	765303	1317331	49.50%	6.543%
20	12.590	3348	3364	3374	rVB	192745	380386	14.29%	1.889%
21	12.654	3374	3384	3390	rBV	312875	510938	19.20%	2.538%
22	12.686	3391	3394	3400	rVV2	172044	229834	8.64%	1.142%
23	12.731	3401	3408	3418	rVB	357715	562434	21.13%	2.794%
24	12.889	3445	3457	3466	rBV	88949	162703	6.11%	0.808%
25	12.960	3472	3479	3492	rVB5	56869	93183	3.50%	0.463%
26	13.040	3492	3504	3516	rBV	1675974	2661380	100.00%	13.219%
27	13.169	3531	3544	3553	rBV3	75152	161430	6.07%	0.802%
28	13.233	3553	3564	3573	rBV4	82191	142338	5.35%	0.707%
29	13.284	3573	3580	3587	rBV3	59030	78057	2.93%	0.388%
30	13.342	3587	3598	3604	rBV	724380	1270925	47.75%	6.313%
31	13.442	3624	3629	3637	rVB2	21922	27189	1.02%	0.135%
32	13.513	3642	3651	3654	rVV	65793	99550	3.74%	0.494%
33	13.541	3654	3660	3667	rVV	146922	234398	8.81%	1.164%
34	13.583	3667	3673	3689	rVV6	109422	244630	9.19%	1.215%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

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\82N042919W.M
Title : SW846 8260

35	13.664	3689	3698	3710	rVB7	64933	120520	4.53%	0.599%
36	13.802	3732	3741	3745	rBV2	87974	135140	5.08%	0.671%
37	13.831	3746	3750	3759	rVV	100563	136595	5.13%	0.678%
38	13.886	3759	3767	3777	rVB	127215	193251	7.26%	0.960%
39	13.943	3777	3785	3791	rBV3	26519	40551	1.52%	0.201%
40	13.992	3791	3800	3810	rVB4	114812	196041	7.37%	0.974%
41	14.127	3832	3842	3850	rBV3	42694	70827	2.66%	0.352%
42	14.207	3852	3867	3873	rVV3	52920	110574	4.15%	0.549%
43	14.246	3873	3879	3888	rVB	83425	125299	4.71%	0.622%
44	14.580	3972	3983	3997	rBV3	99623	195631	7.35%	0.972%
45	14.741	4023	4033	4043	rBV2	44043	68743	2.58%	0.341%
46	15.133	4145	4155	4164	rVB2	22264	37299	1.40%	0.185%

Sum of corrected areas: 20133105

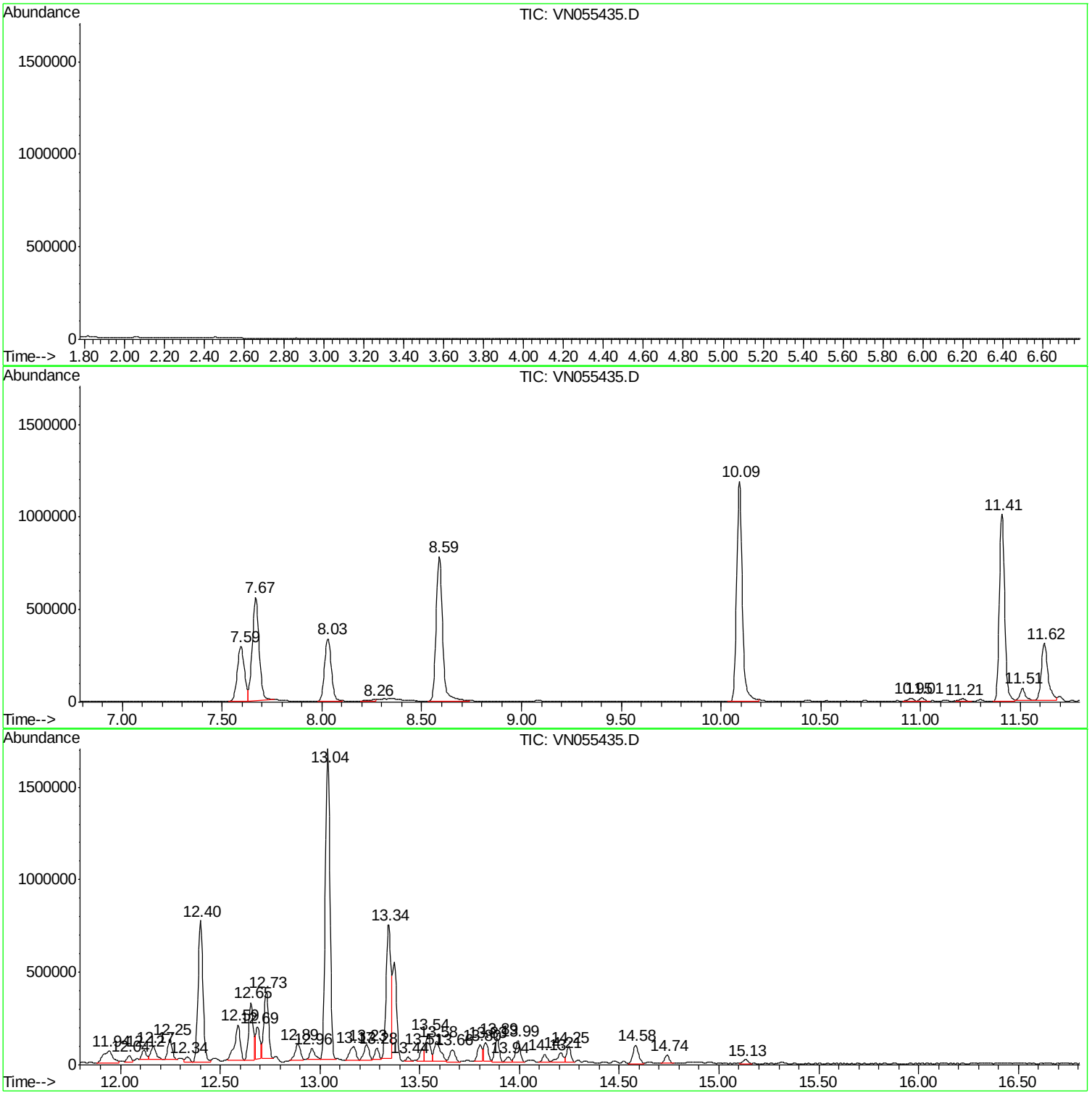
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

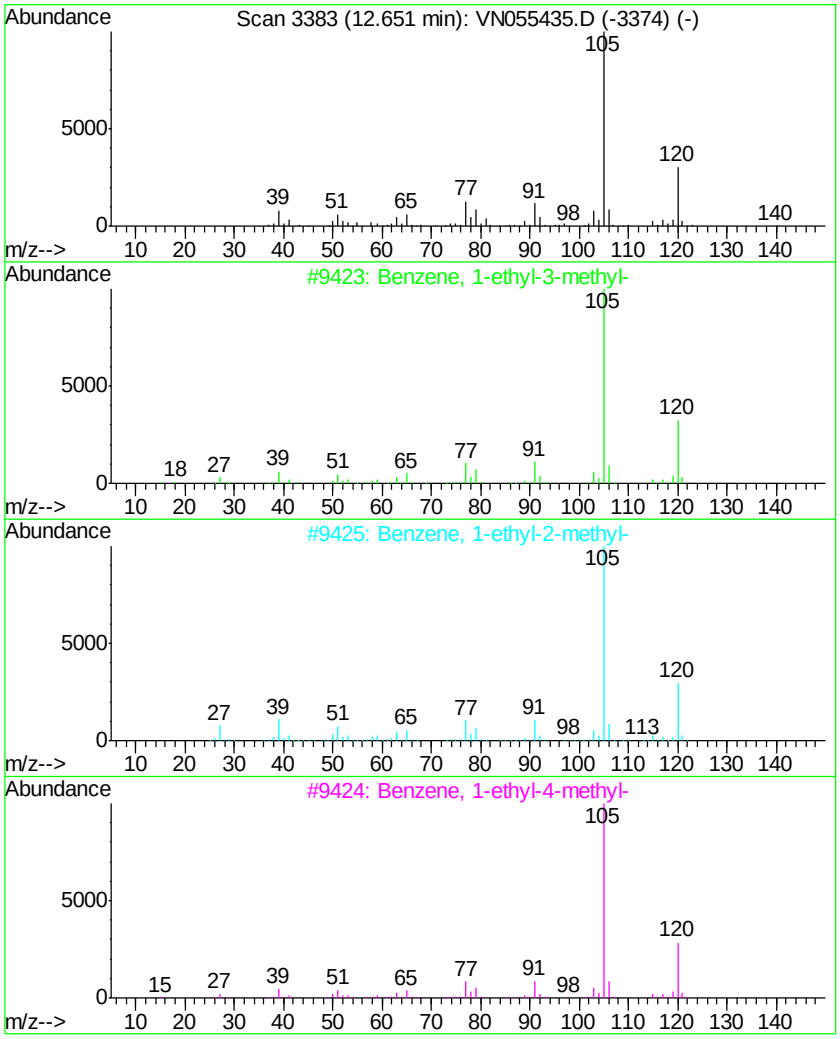
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

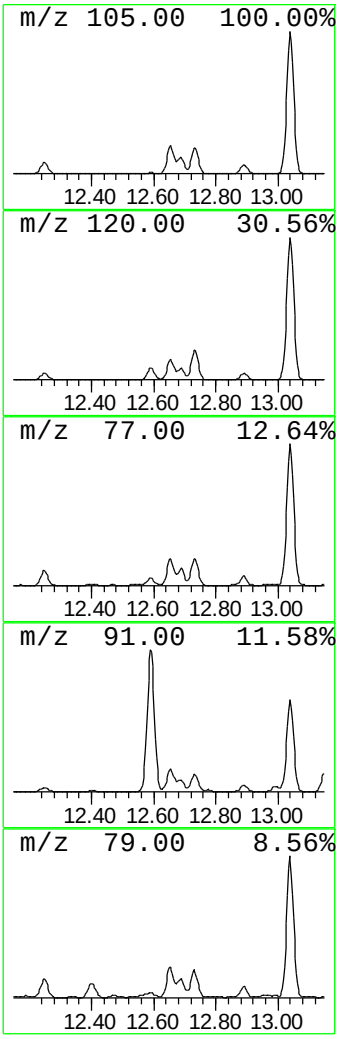
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	20.10 ug/l	510938	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

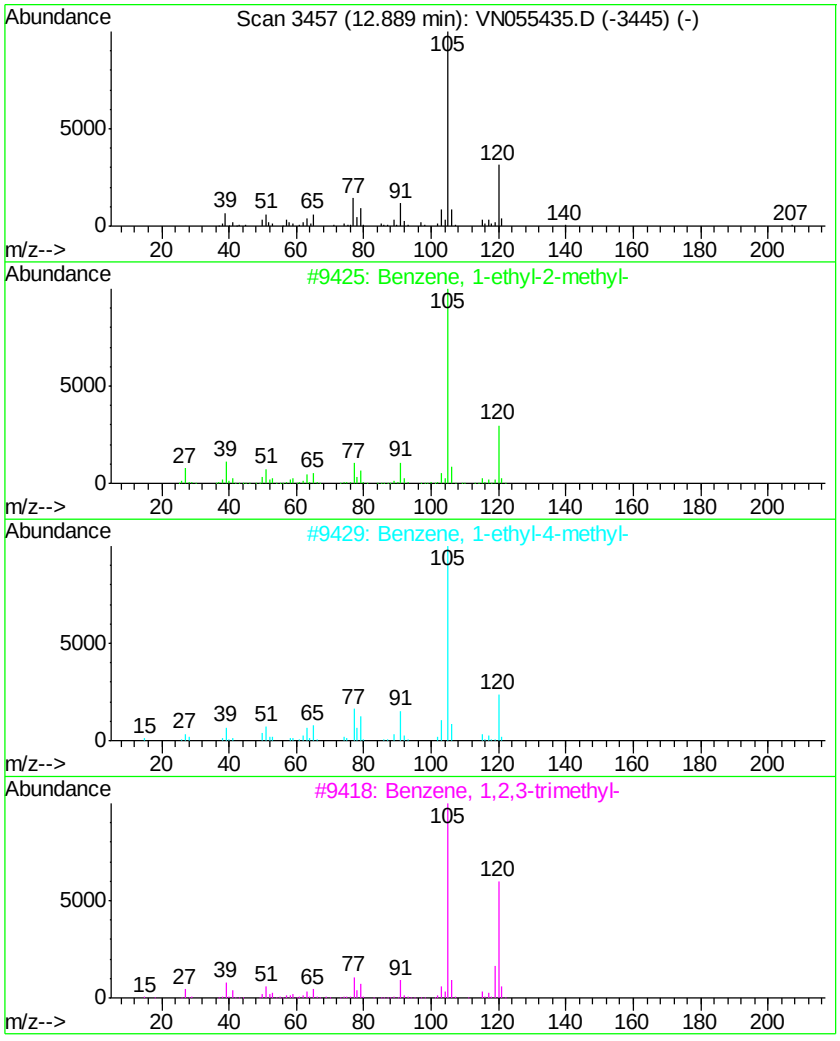
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

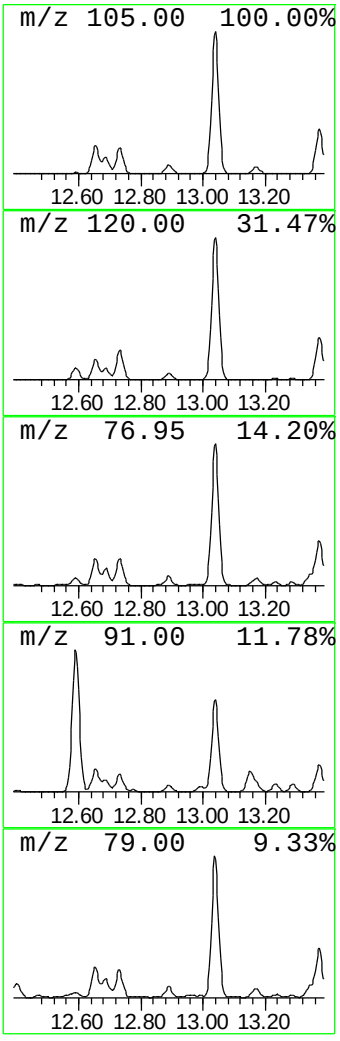
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	6.40 ug/l	162703	1,4-Dichlorobenzene-d4	13.34

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-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

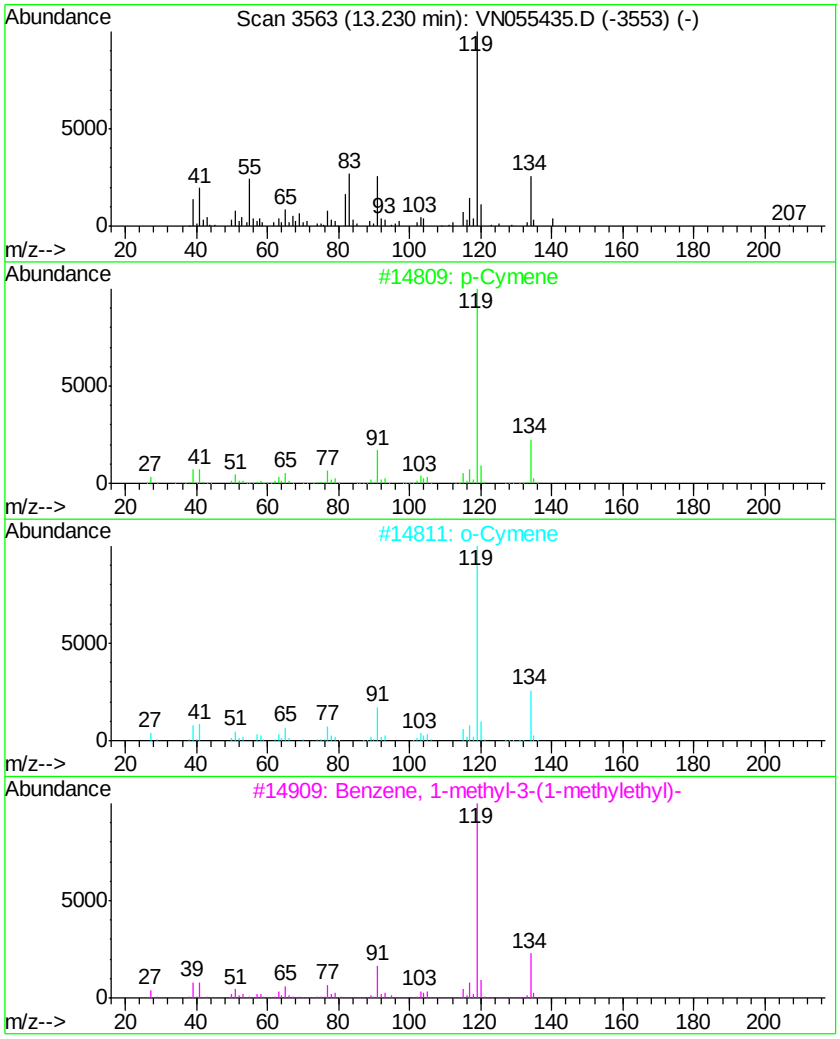
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

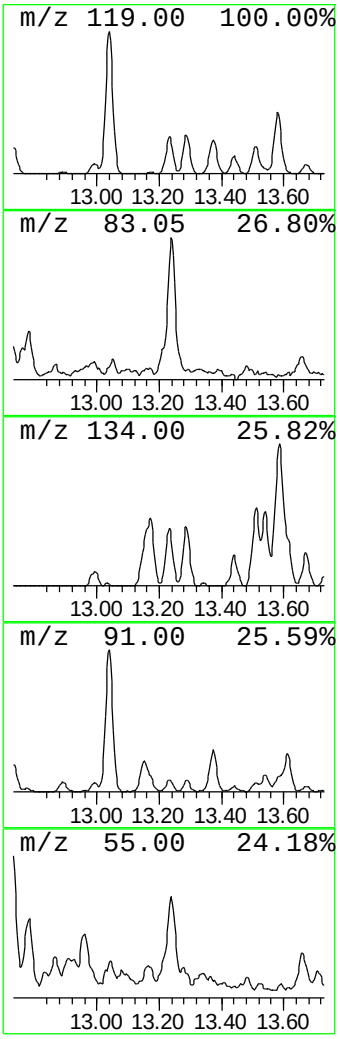
****

Peak Number 3 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	5.60 ug/l	142338	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

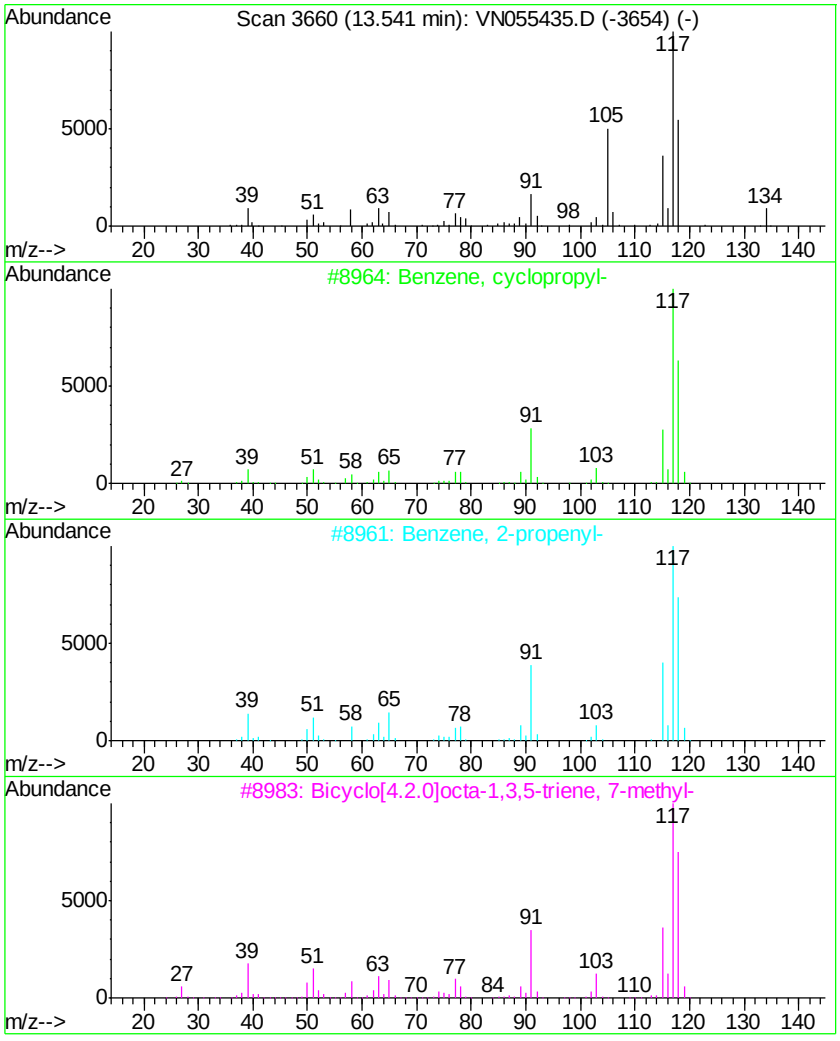
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

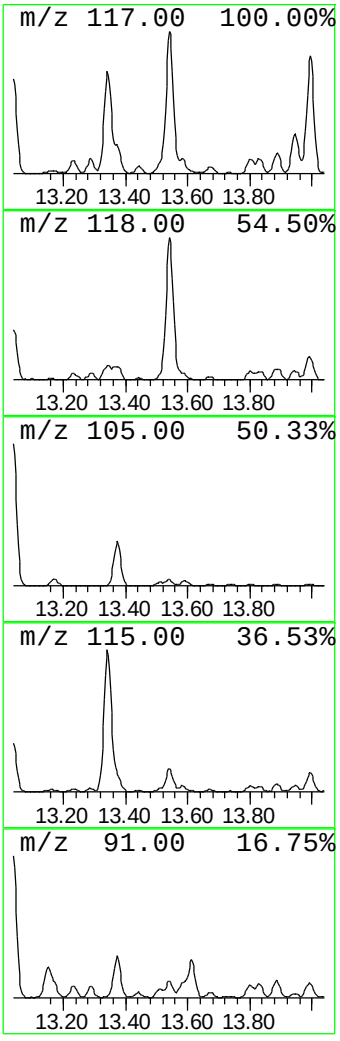
****

Peak Number 4 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	9.22 ug/l	234398	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

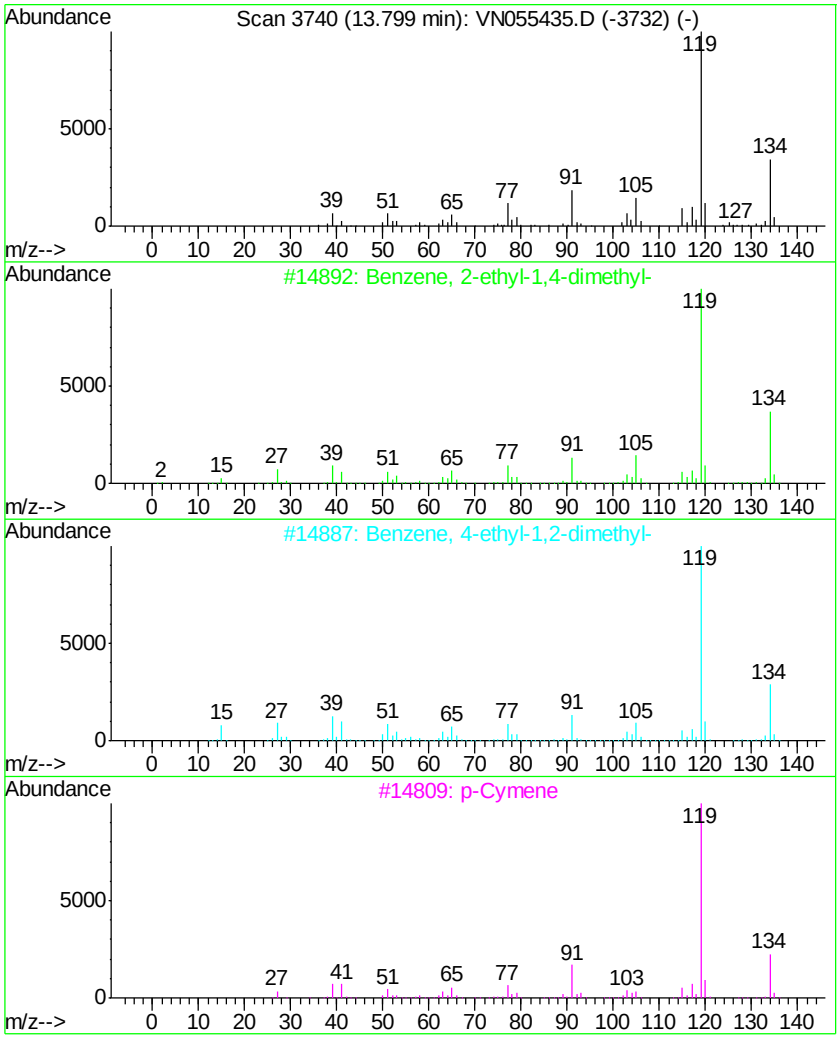
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

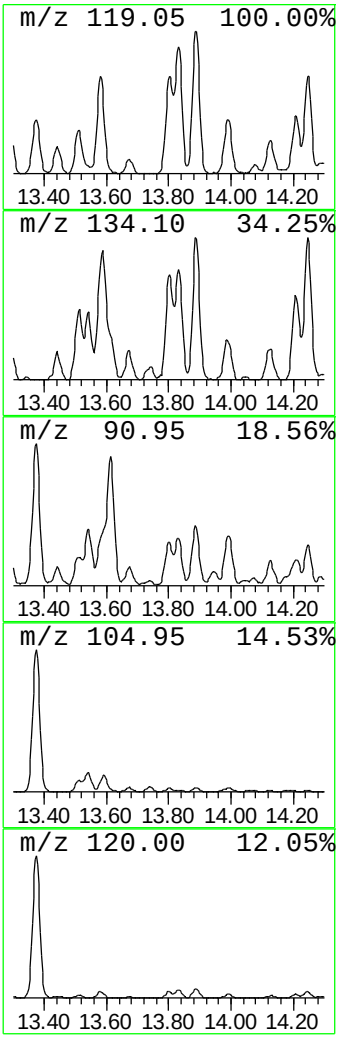
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	5.32 ug/l	135140	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

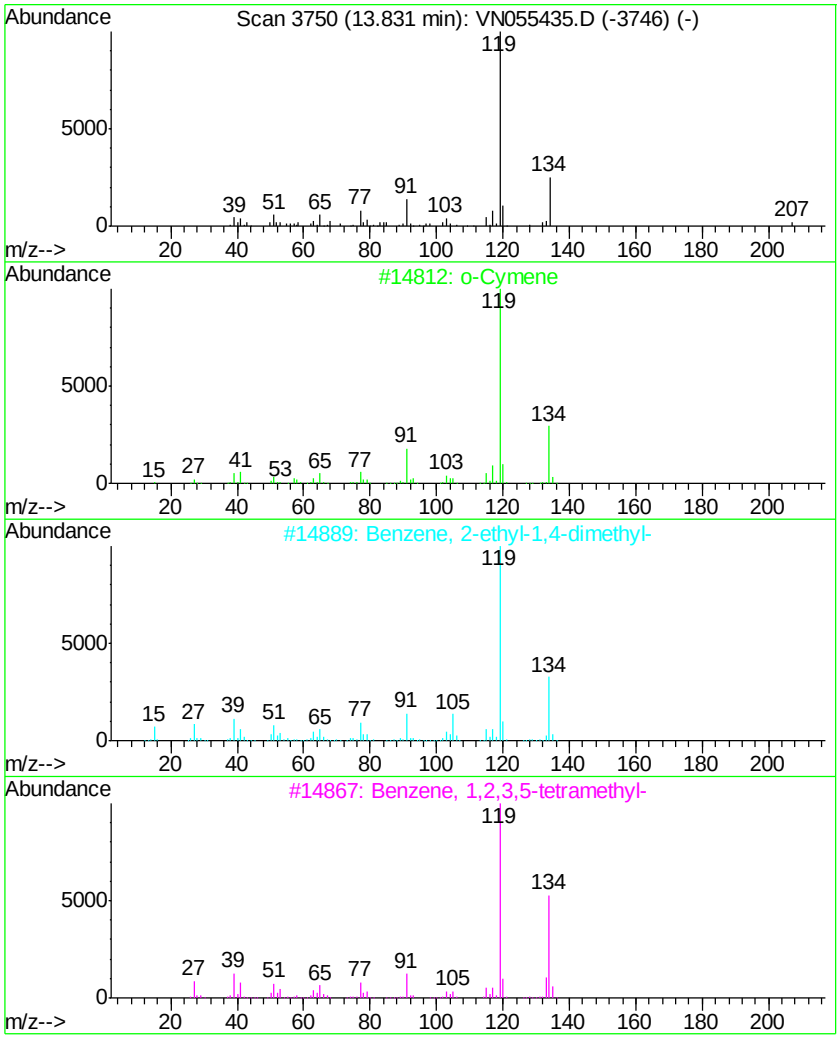
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

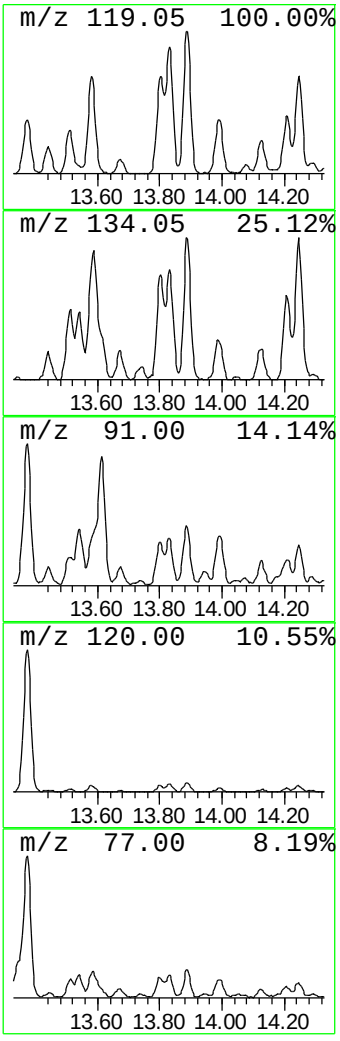
****

Peak Number 6 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	5.37 ug/l	136595	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





Library Search Compound Report

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

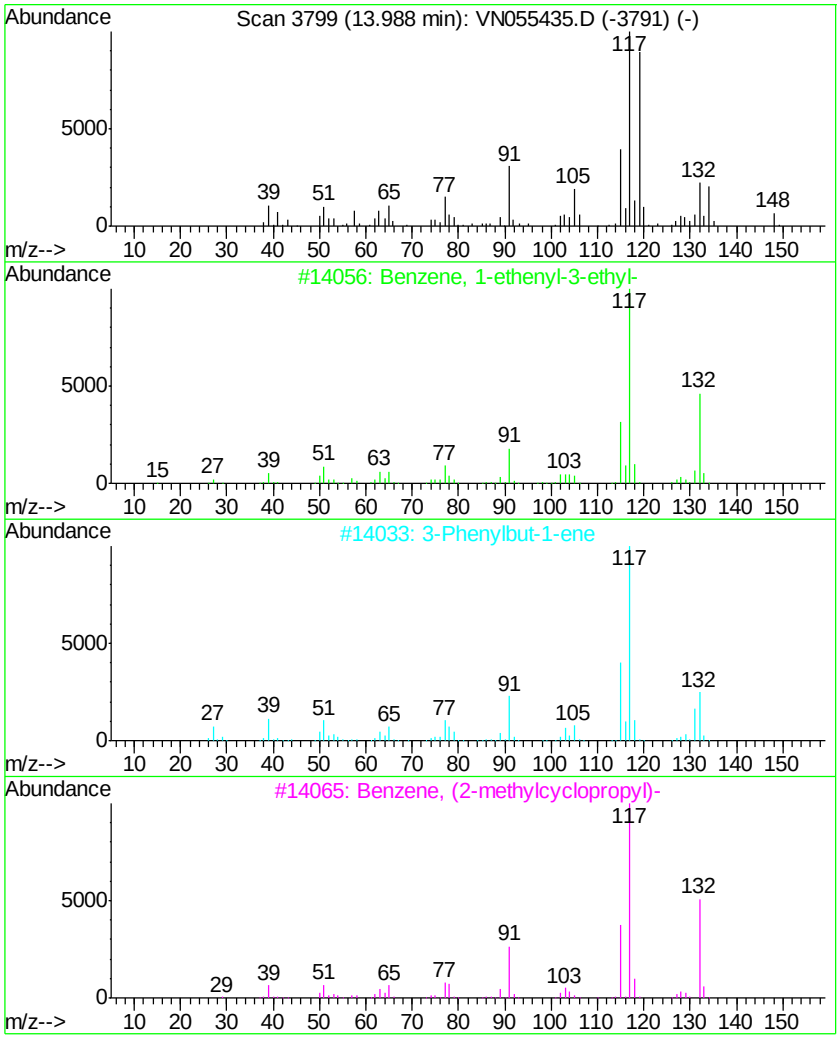
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

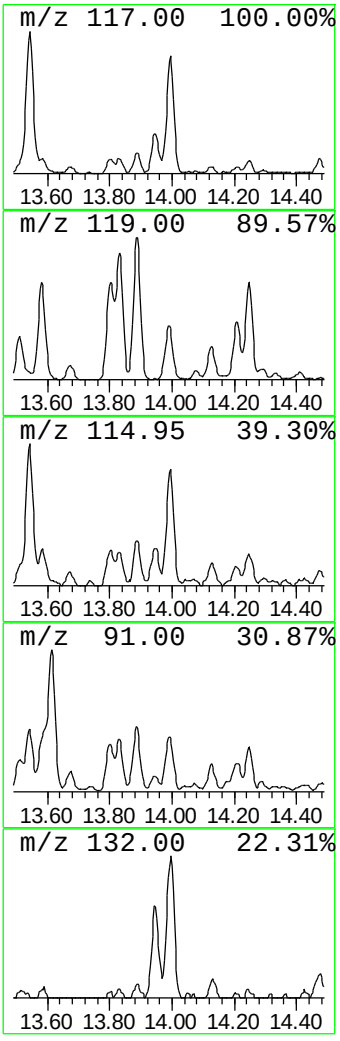
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	7.71 ug/l	196041	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	53
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

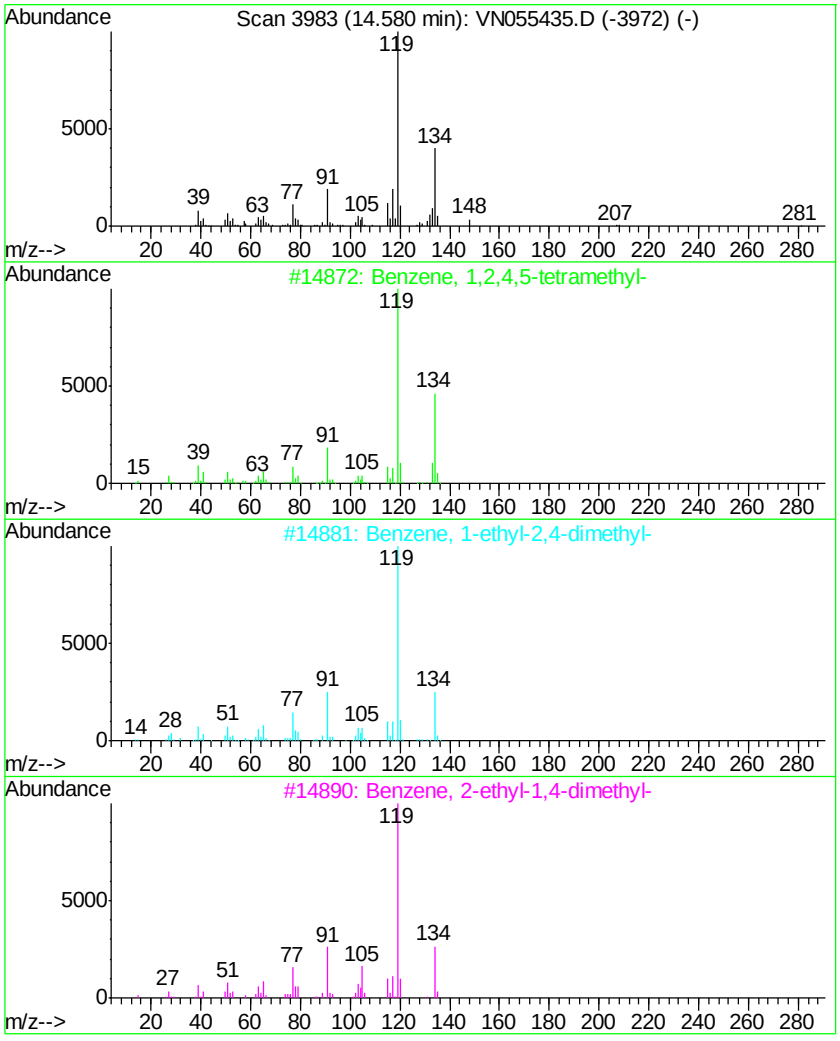
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

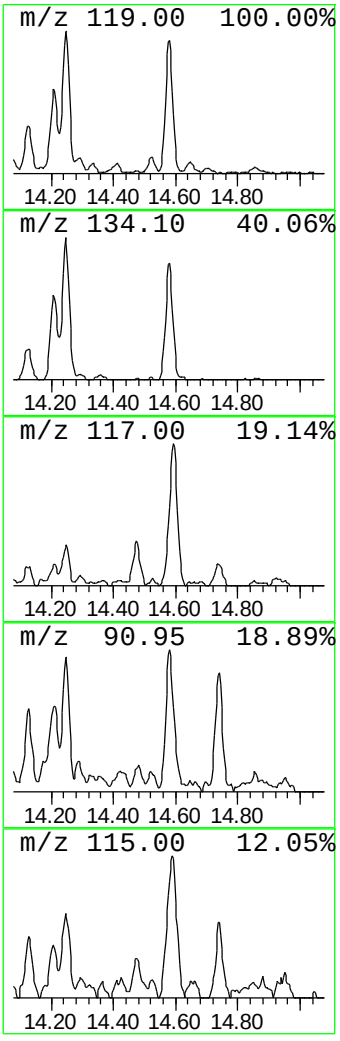
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	7.70 ug/l	195631	1,4-Dichlorobenzene-d4	13.34

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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	o-Cymene	134	C10H14	000527-84-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
Data File : VN055435.D
Acq On : 7 May 2019 14:14
Operator : JC/SP
Sample : K2658-21 40X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-W1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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-...	12.65	20.1	ug/l	510938	4	13.34	1270930	50.0
Benzene, 1-ethyl-...	12.89	6.4	ug/l	162703	4	13.34	1270930	50.0
p-Cymene	13.23	5.6	ug/l	142338	4	13.34	1270930	50.0
Benzene, cyclopro...	13.54	9.2	ug/l	234398	4	13.34	1270930	50.0
Benzene, 2-ethyl-...	13.80	5.3	ug/l	135140	4	13.34	1270930	50.0
o-Cymene	13.83	5.4	ug/l	136595	4	13.34	1270930	50.0
Benzene, 1-etheny...	13.99	7.7	ug/l	196041	4	13.34	1270930	50.0
Benzene, 1,2,4,5-...	14.58	7.7	ug/l	195631	4	13.34	1270930	50.0