LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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	1792	1810	1821	rBV	250676	631746	1.35%	0.411%
2	7.667	1821	1833	1852	rVB2	395399	935687	2.00%	0.609%
3	8.027	1927	1945	1969	rBV	278186	675802	1.45%	0.440%
4	8.587	2103	2119	2157	rBV	644490	1424794	3.05%	0.927%
5	10.091	2571	2587	2611	rBV	1007542	2045206	4.38%	1.331%
6	11.005	2861	2871	2882	rBV2	289156	499785	1.07%	0.325%
7	11.207	2916	2934	2945	rVB5	189352	519365	1.11%	0.338%
8	11.407	2984	2996	3014	rBV	911474	1762131	3.77%	1.147%
9	11.654	3061	3073	3081	rVV3	494379	974250	2.08%	0.634%
10	11.921	3142	3156	3168	rBV5	827218	2068586	4.43%	1.346%
11	12.043	3186	3194	3202	rBV	1066432	1449815	3.10%	0.944%
12	12.117	3209	3217	3223	rBV2	781052	1259553	2.70%	0.820%
13	12.162	3224	3231	3247	rVB7	1087027	2096066	4.49%	1.364%
14	12.246	3247	3257	3268	rBV	4588258	7586637	16.23%	4.938%
15	12.336	3279	3285	3295	rVB2	912352	1417474	3.03%	0.923%
16	12.403	3295	3306	3316	rBV2	877498	1610369	3.45%	1.048%
17	12.474	3317	3328	3339	rBV5	383908	1035809	2.22%	0.674%
18	12.561	3347	3355	3360	rBV3	880541	1450720	3.10%	0.944%
19	12.644	3373	3381	3387	rBV6	333378	617914	1.32%	0.402%
20	12.689	3387	3395	3401	rBV	1058447	1936368	4.14%	1.260%
21	12.779	3418	3423	3433	rVB3	635812	961961	2.06%	0.626%
22	12.870	3443	3451	3458	rBV6	434389	735718	1.57%	0.479%
23	12.960	3472	3479	3493	rBV4	1830736	3156838	6.76%	2.055%
24	13.040	3493	3504	3516	rVB2	29336016	46732652	100.00%	30.416%
25	13.169	3529	3544	3553	rBV2	2261001	5025246	10.75%	3.271%
26	13.239	3562	3566	3573	rVB	832960	1008226	2.16%	0.656%
27	13.288	3573	3581	3589	rVB2	1349129	1953678	4.18%	1.272%
28	13.345	3593	3599	3600	rVV	536362	551557	1.18%	0.359%
29	13.371	3602	3607	3619	rVB	1985330	3173388	6.79%	2.065%
30	13.442	3621	3629	3637	rBV	852568	1254397	2.68%	0.816%
31	13.513	3641	3651	3654	rBV	2503923	3764705	8.06%	2.450%
32	13.542	3654	3660	3669	rVV	6200028	9603984	20.55%	6.251%
33	13.590	3669	3675	3689	rVB2	1727290	2975662	6.37%	1.937%
34	13.670	3689	3700	3709	rBV3	1729636	3109307	6.65%	2.024%

LSC Area Percent Report

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Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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	13.802	3732	3741	3745	rBV	2090504	3113788	6.66%	2.027%
36	13.831	3746	3750	3758	rVV	2298791	3155160	6.75%	2.054%
37	13.886	3759	3767	3777	rVV	5010088	7617393	16.30%	4.958%
38	13.943	3777	3785	3791	rVV	1426305	2169741	4.64%	1.412%
39	13.992	3791	3800	3811	rVB2	4765437	8056997	17.24%	5.244%
40	14.130	3834	3843	3850	rBV2	567908	946462	2.03%	0.616%
41	14.207	3851	3867	3873	rVV	2186619	4405559	9.43%	2.867%
42	14.246	3873	3879	3888	rVV	2502746	3794955	8.12%	2.470%
43	14.474	3942	3950	3959	rVV3	578454	968209	2.07%	0.630%
44	14.586	3973	3985	3997	rVV3	1296548	2653501	5.68%	1.727%
45	14.654	3997	4006	4016	rVB4	432668	759614	1.63%	0.494%

Sum of corrected areas: 153646775

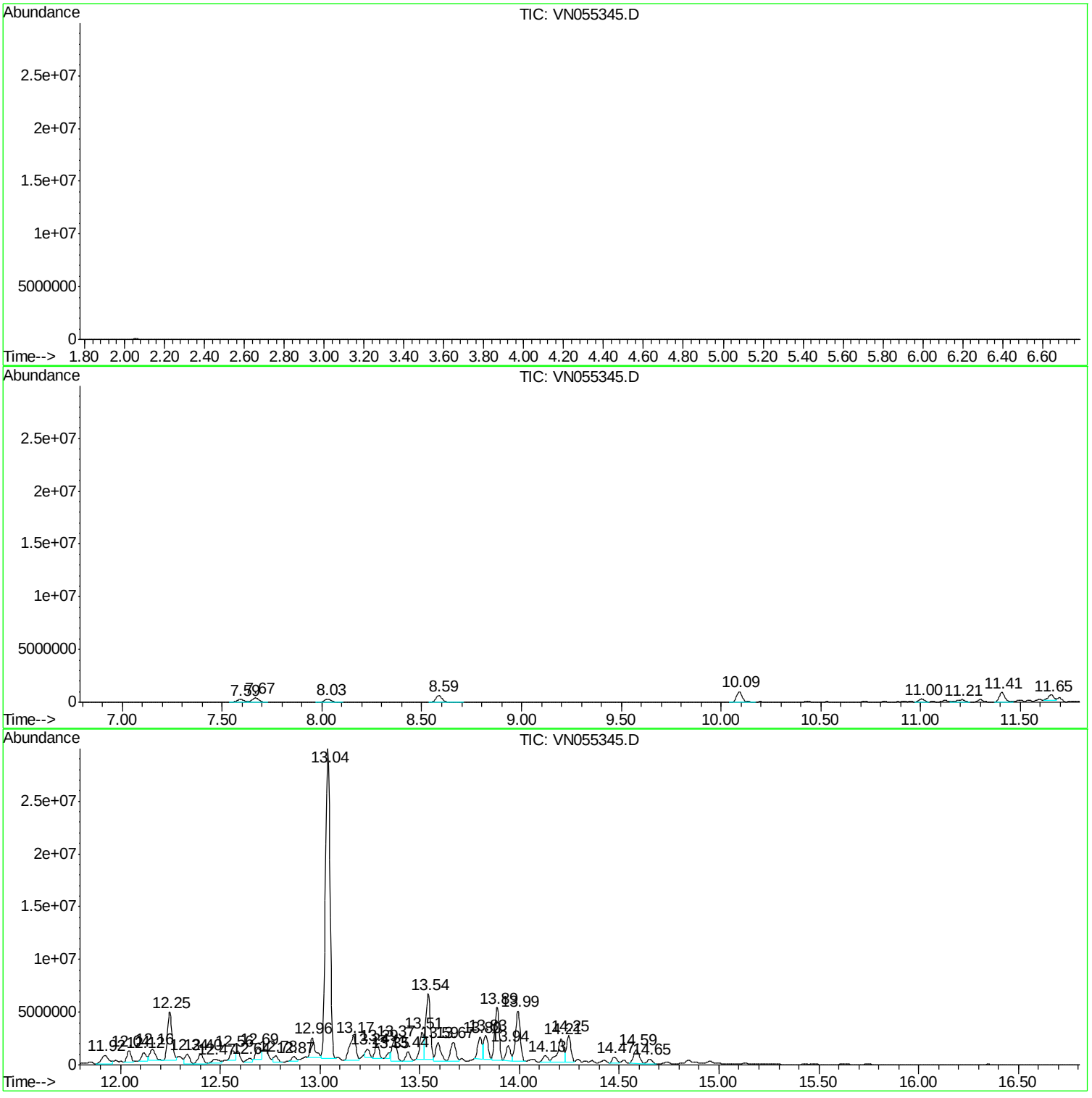
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

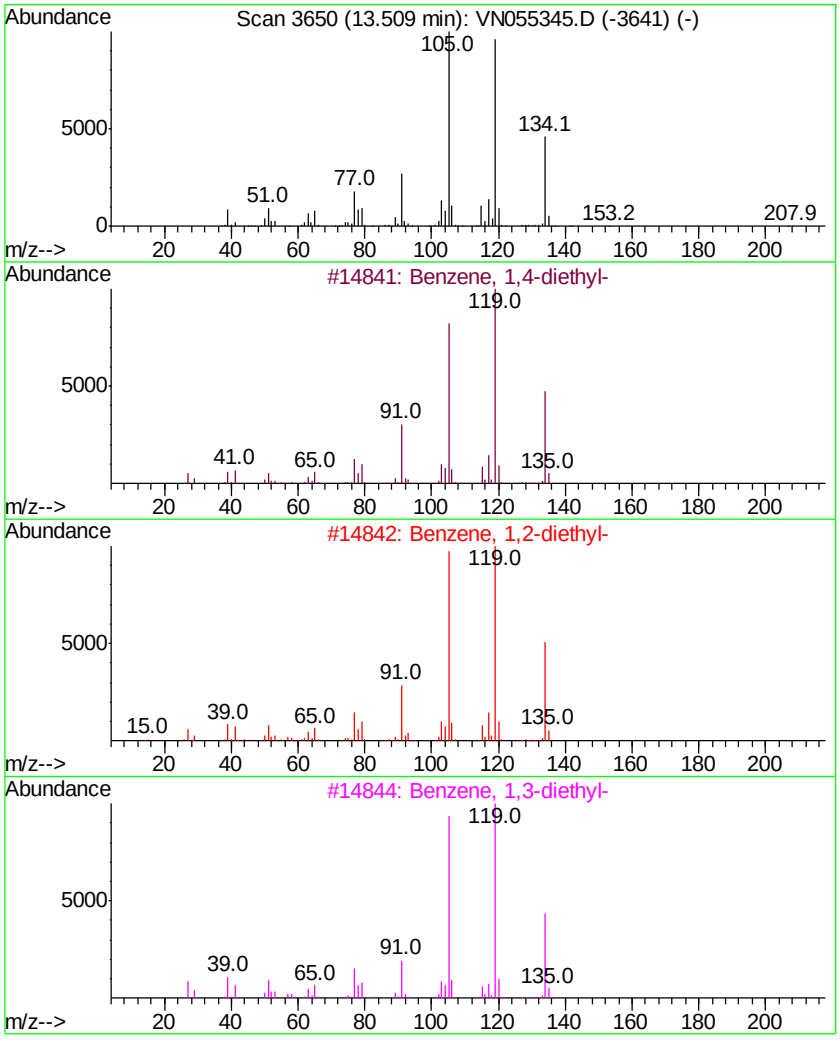
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

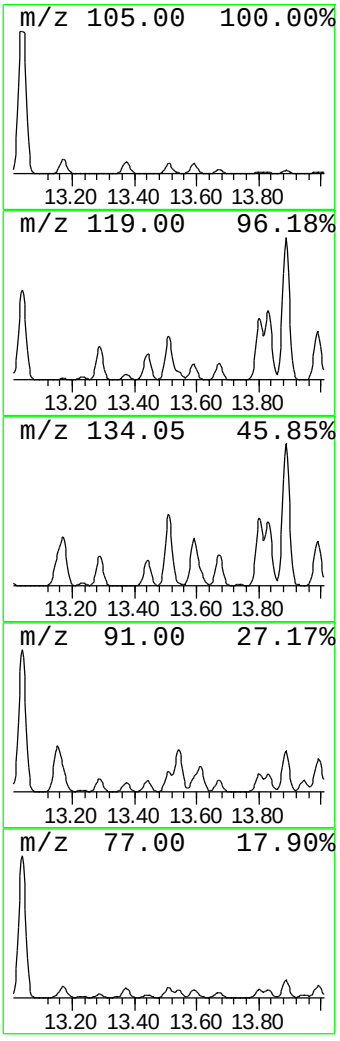
****

Peak Number 1 Benzene, 1,4-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	341.28 ug/l	3764710	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

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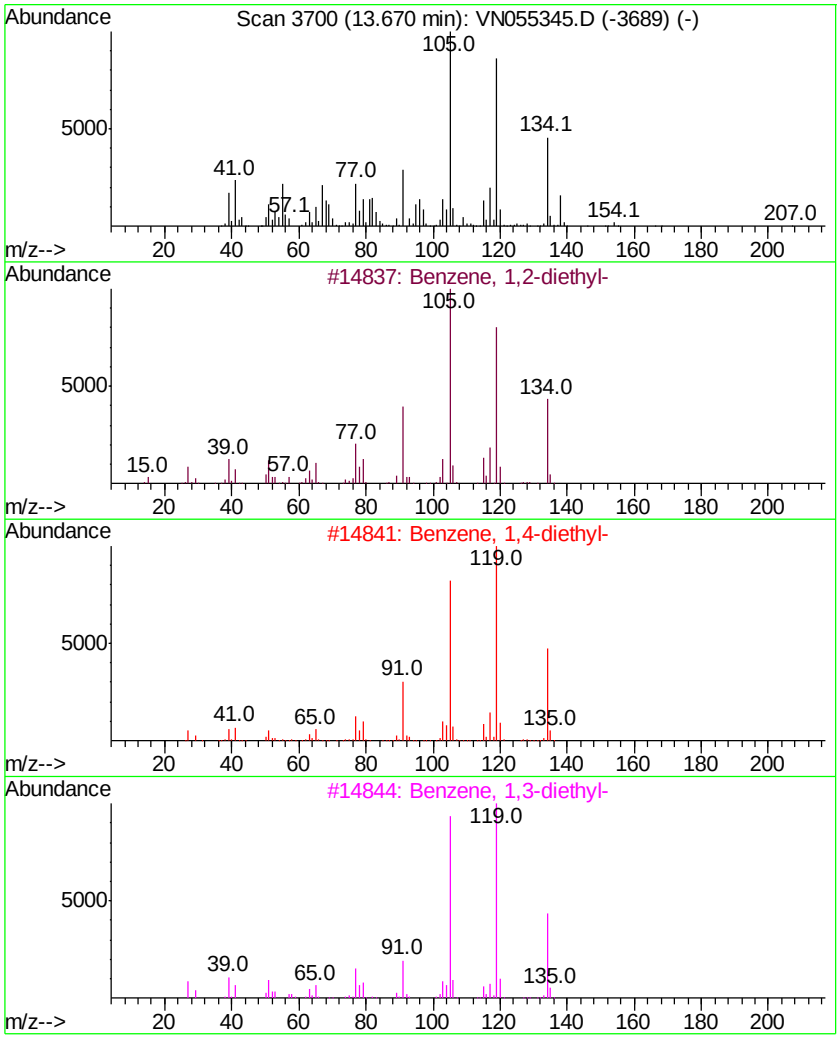
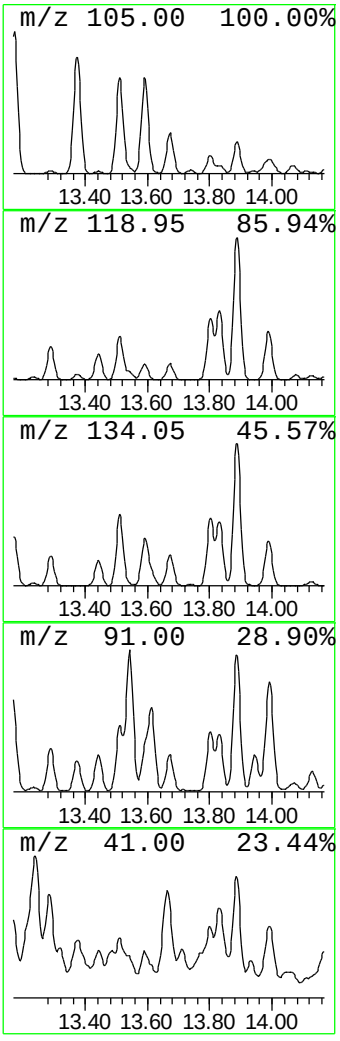
Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	281.87 ug/l	3109310	1,4-Dichlorobenzene-d4	13.34

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	81
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

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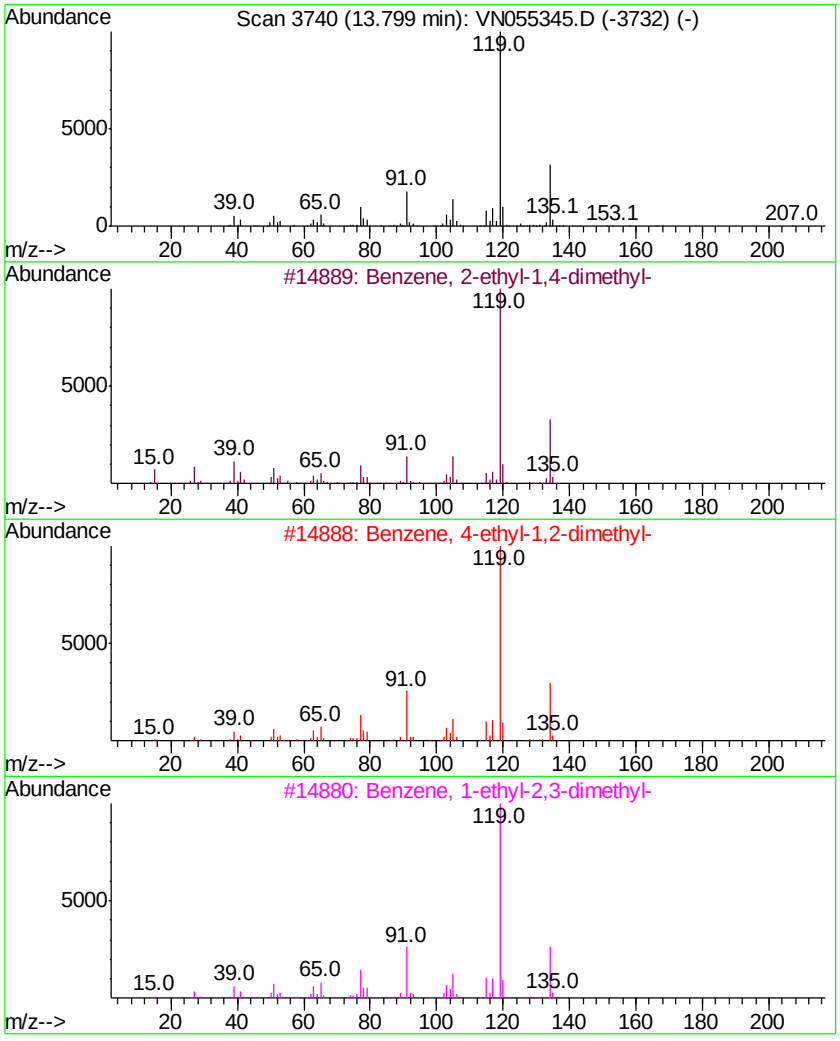
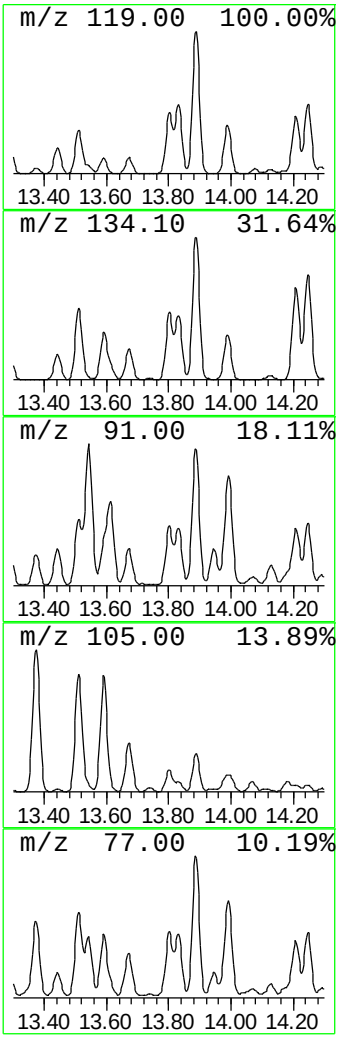
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	282.27 ug/l	3113790	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	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

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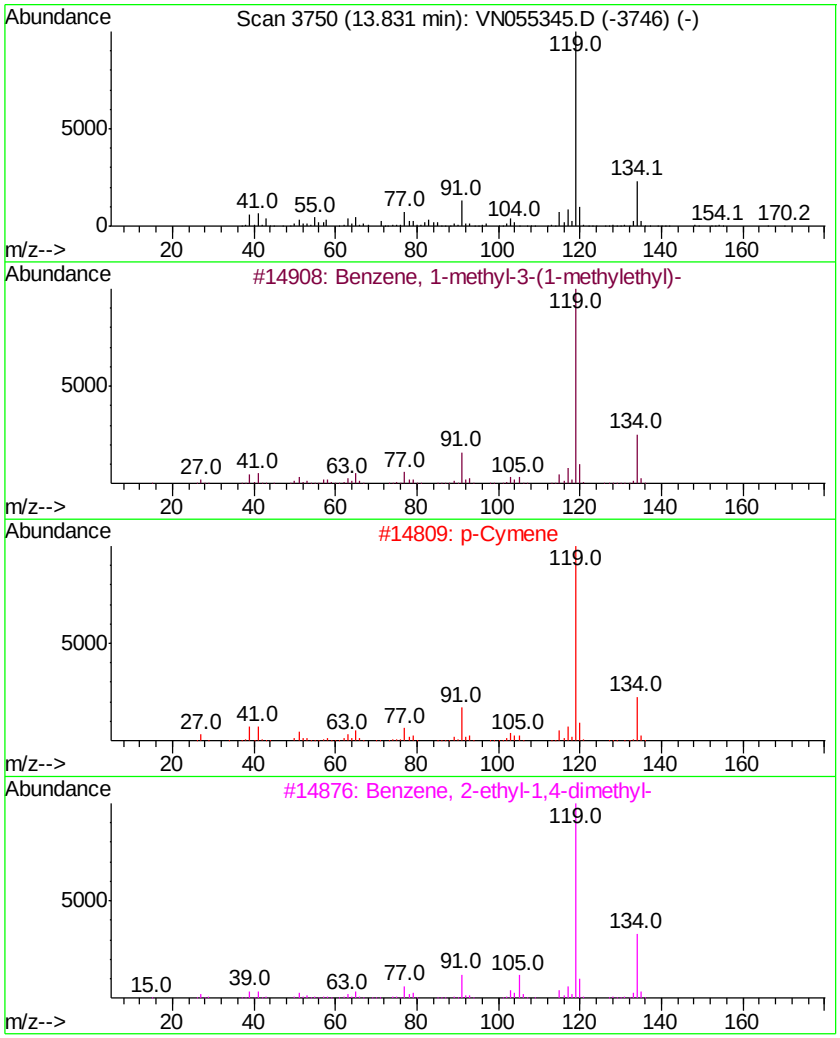
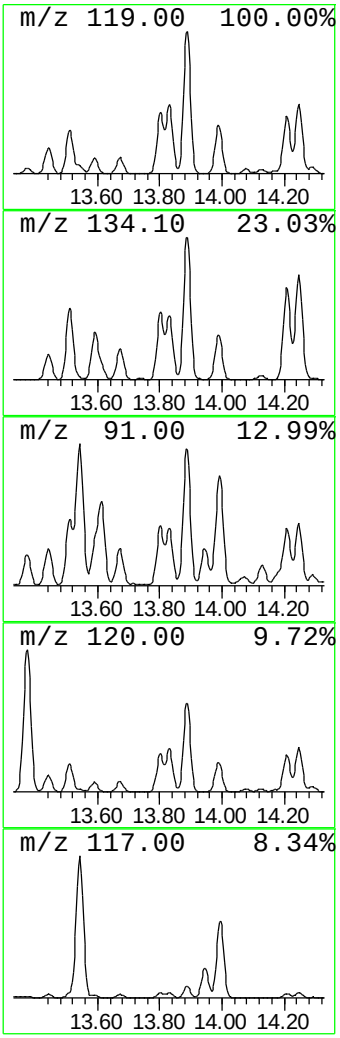
Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	286.02 ug/l	3155160	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

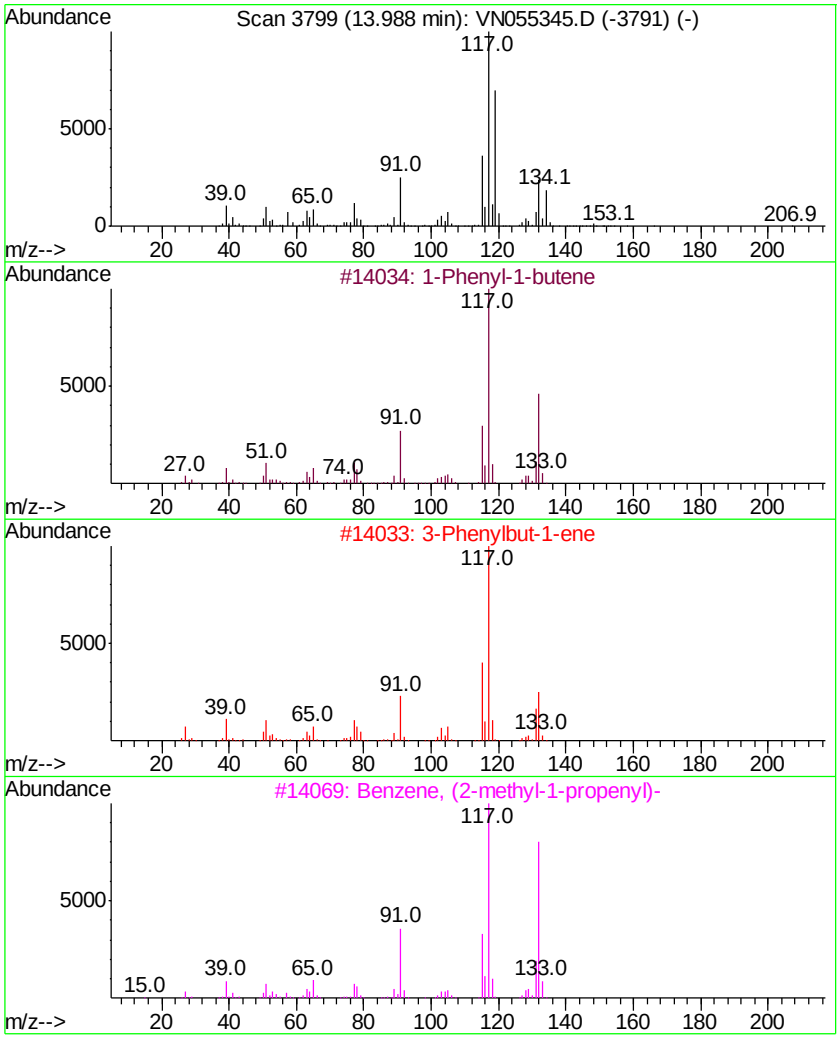
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

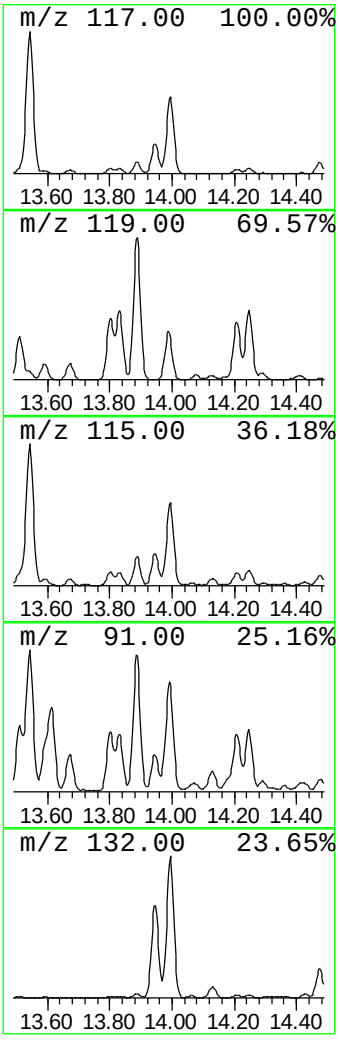
****

Peak Number 7 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	730.39 ug/l	8057000	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64





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Data File : VN055345.D
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Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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

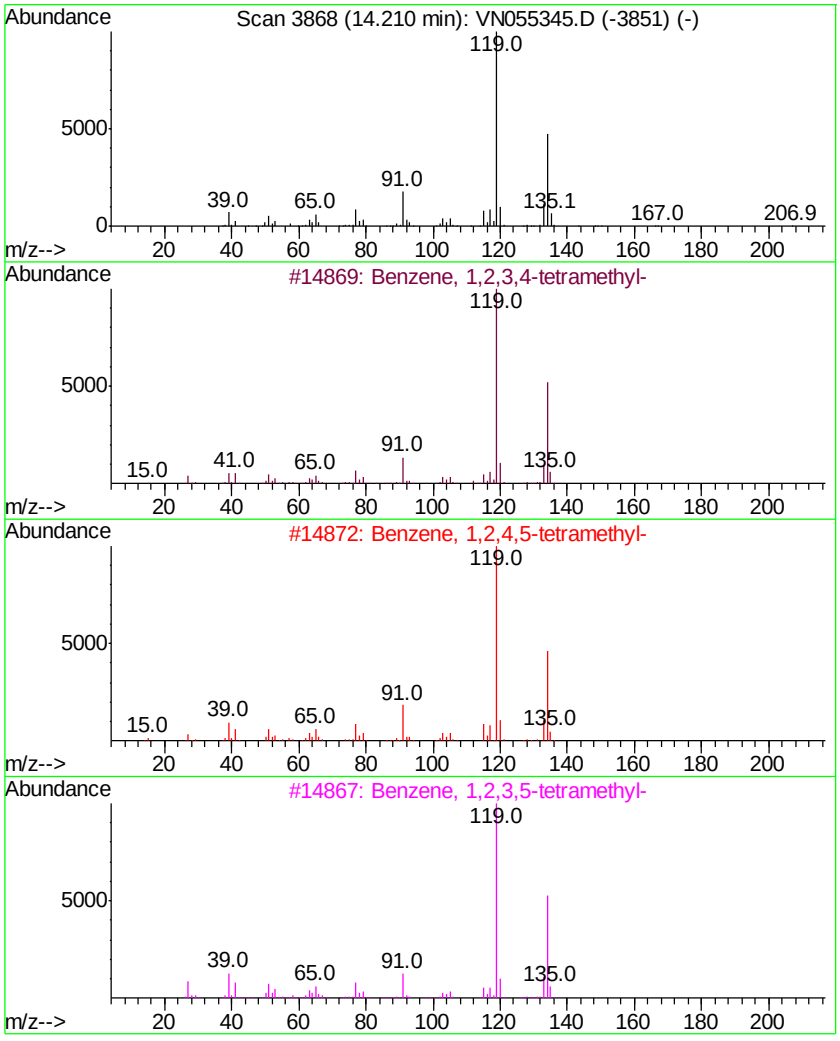
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

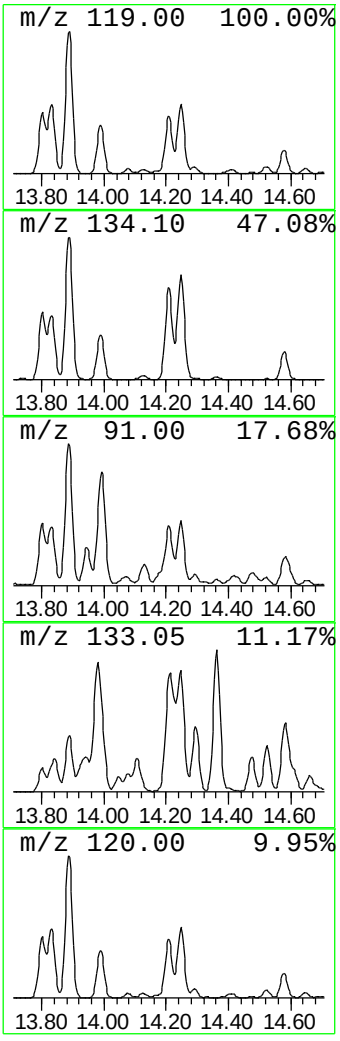
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	399.38 ug/l	4405560	1,4-Dichlorobenzene-d4	13.34

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	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : EP1-PZ-FD-01

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

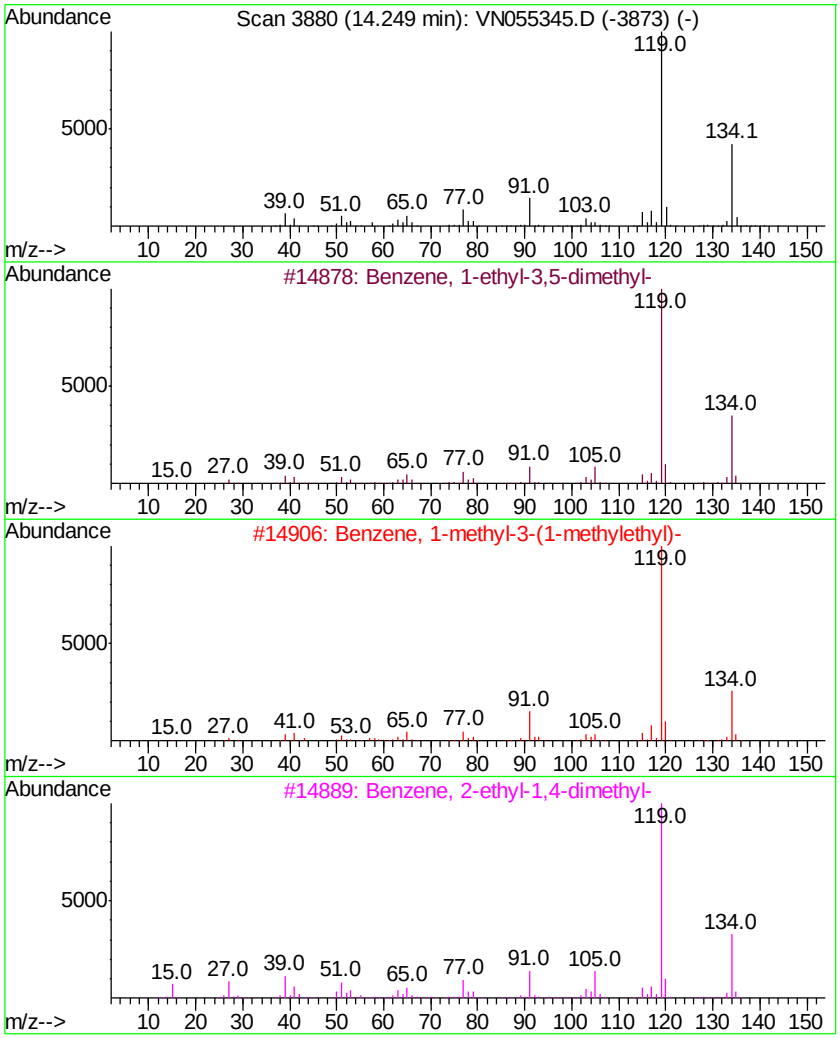
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

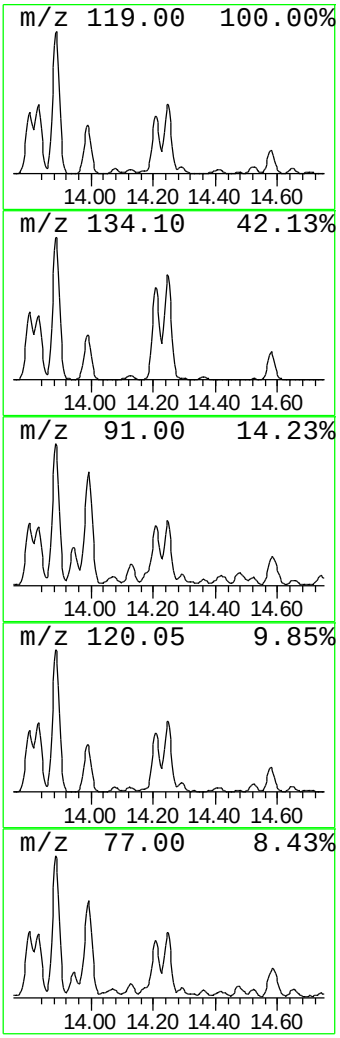
****

Peak Number 9 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	344.02 ug/l	3794960	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

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Data File : VN055345.D
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Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

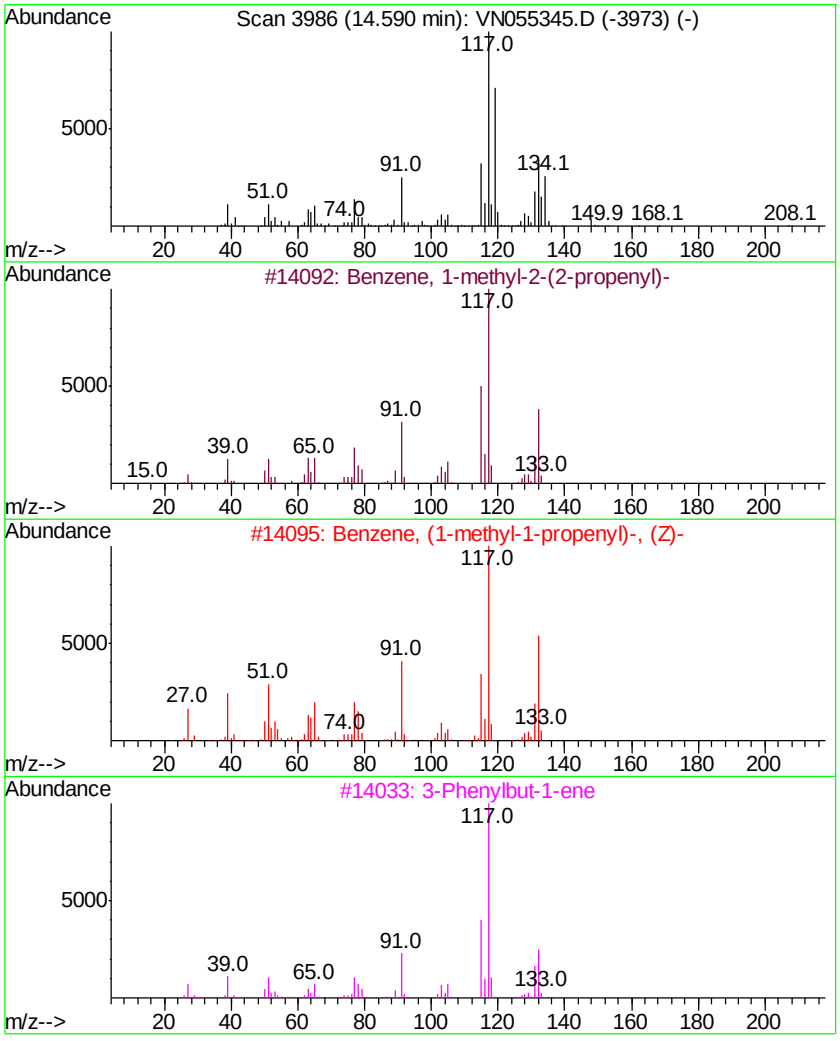
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

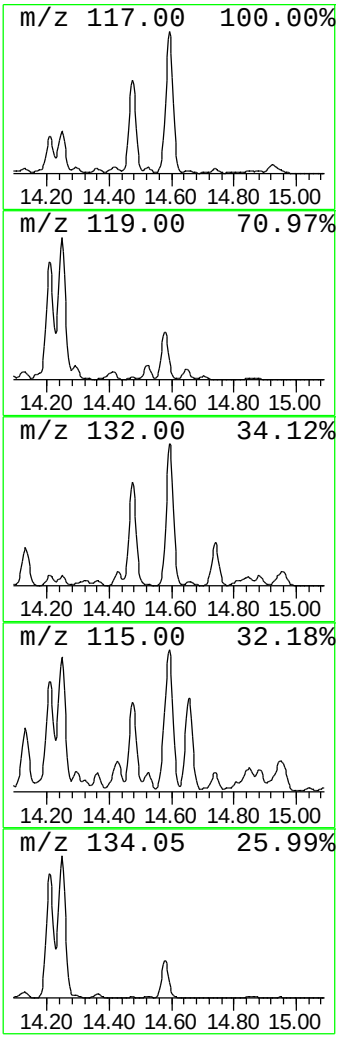
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	240.55 ug/l	2653500	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	89
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050219\
Data File : VN055345.D
Acq On : 2 May 2019 12:58
Operator : JC/SP
Sample : K2658-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EP1-PZ-FD-01

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, 1,4-diet...	13.51	341.3	ug/l	3764710	4	13.34	551557	50.0
Benzene, 1,2-diet...	13.67	281.9	ug/l	3109310	4	13.34	551557	50.0
Benzene, 2-ethyl-...	13.80	282.3	ug/l	3113790	4	13.34	551557	50.0
Benzene, 1-methyl...	13.83	286.0	ug/l	3155160	4	13.34	551557	50.0
1-Phenyl-1-butene	13.99	730.4	ug/l	8057000	4	13.34	551557	50.0
Benzene, 1,2,3,4-...	14.21	399.4	ug/l	4405560	4	13.34	551557	50.0
Benzene, 1-ethyl-...	14.25	344.0	ug/l	3794960	4	13.34	551557	50.0
Benzene, 1-methyl...	14.59	240.6	ug/l	2653500	4	13.34	551557	50.0