LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

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\82N031219W.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	2.815	312	324	341	rVB	458588	922750	1.45%	0.203%
2	6.625	1490	1509	1526	rBV2	393733	1197778	1.88%	0.263%
3	7.593	1791	1810	1820	rBV	949227	2414306	3.80%	0.531%
4	7.664	1821	1832	1847	rVB	1512291	3557259	5.59%	0.782%
5	8.030	1929	1946	1972	rBV	893259	2158730	3.39%	0.475%
6	8.204	1973	2000	2020	rBV4	345816	1471839	2.31%	0.324%
7	8.587	2103	2119	2157	rVB	2439793	5593557	8.80%	1.230%
8	9.079	2247	2272	2284	rBV4	317262	929623	1.46%	0.204%
9	9.616	2426	2439	2445	rBV	338954	677358	1.07%	0.149%
10	10.091	2573	2587	2598	rBV	3729423	7168829	11.27%	1.576%
11	10.156	2599	2607	2633	rVB	1249785	2503474	3.94%	0.550%
12	11.406	2982	2996	3015	rBV	3703185	6931993	10.90%	1.524%
13	11.509	3015	3028	3050	rVV2	21168781	37811077	59.45%	8.313%
14	11.625	3051	3064	3114	rVB2	31843533	56867828	89.42%	12.502%
15	11.947	3144	3164	3199	rBV	22626137	39620537	62.30%	8.711%
16	12.249	3246	3258	3281	rVB	2778246	4764767	7.49%	1.048%
17	12.400	3293	3305	3323	rBV	3417132	5997867	9.43%	1.319%
18	12.590	3347	3364	3375	rBV	3002037	4990771	7.85%	1.097%
19	12.657	3375	3385	3386	rVV	1774353	2138446	3.36%	0.470%
20	12.686	3387	3394	3401	rVV	8319923	13421615	21.10%	2.951%
21	12.731	3401	3408	3431	rVB	13947794	22290718	35.05%	4.901%
22	12.892	3443	3458	3473	rBV	6656107	11053493	17.38%	2.430%
23	13.040	3491	3504	3529	rVB2	39599406	63597321	100.00%	13.982%
24	13.172	3530	3545	3554	rBV2	490845	1044479	1.64%	0.230%
25	13.233	3554	3564	3573	rVV	1103818	1723077	2.71%	0.379%
26	13.287	3573	3581	3588	rVV	453311	674447	1.06%	0.148%
27	13.374	3588	3608	3621	rVB2	12685845	27487156	43.22%	6.043%
28	13.541	3640	3660	3667	rBV2	8512731	16023444	25.20%	3.523%
29	13.583	3667	3673	3690	rVB2	4610798	8179017	12.86%	1.798%
30	13.670	3690	3700	3709	rBV2	706193	1158004	1.82%	0.255%
31	13.738	3709	3721	3731	rVB	1702231	2816155	4.43%	0.619%
32	13.802	3731	3741	3745	rBV	2718544	4070410	6.40%	0.895%
33	13.831	3746	3750	3759	rVV	2635671	3685076	5.79%	0.810%
34	13.889	3759	3768	3778	rVB	4116105	6186027	9.73%	1.360%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

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\82N031219W.M
Title : SW846 8260

35	13.947	3778	3786	3791	rBV	539278	798918	1.26%	0.176%
36	13.995	3791	3801	3811	rVB2	3342916	5482187	8.62%	1.205%
37	14.127	3832	3842	3852	rBV2	1889724	2968997	4.67%	0.653%
38	14.210	3852	3868	3873	rVV	3131239	5262008	8.27%	1.157%
39	14.246	3873	3879	3889	rVV	5001150	7539204	11.85%	1.657%
40	14.429	3925	3936	3942	rBV3	446979	792798	1.25%	0.174%
41	14.474	3942	3950	3959	rVV2	1662573	2722054	4.28%	0.598%
42	14.522	3960	3965	3973	rVB2	612387	838442	1.32%	0.184%
43	14.583	3973	3984	3998	rBV4	7081021	14738493	23.17%	3.240%
44	14.651	3999	4005	4016	rVB4	431717	741767	1.17%	0.163%
45	14.741	4023	4033	4049	rVB	3327243	5317968	8.36%	1.169%
46	14.853	4059	4068	4073	rBV3	961284	1651405	2.60%	0.363%
47	14.956	4090	4100	4117	rVB2	1324240	2862630	4.50%	0.629%
48	15.130	4144	4154	4165	rVB	6742122	11569336	18.19%	2.544%
49	15.188	4166	4172	4180	rVB	495036	668903	1.05%	0.147%
50	15.255	4180	4193	4211	rVB4	544726	1832936	2.88%	0.403%
51	15.416	4232	4243	4254	rBV2	379864	756833	1.19%	0.166%
52	15.577	4278	4293	4296	rBV3	488135	926197	1.46%	0.204%
53	15.612	4298	4304	4320	rVB	1078970	1858057	2.92%	0.408%
54	15.696	4321	4330	4341	rBV	357219	647985	1.02%	0.142%
55	15.911	4384	4397	4410	rBV2	1057245	2108701	3.32%	0.464%
56	16.159	4462	4474	4510	rVB	2880731	6296374	9.90%	1.384%
57	16.352	4519	4534	4548	rBV	2467437	5343066	8.40%	1.175%

Sum of corrected areas: 454854487

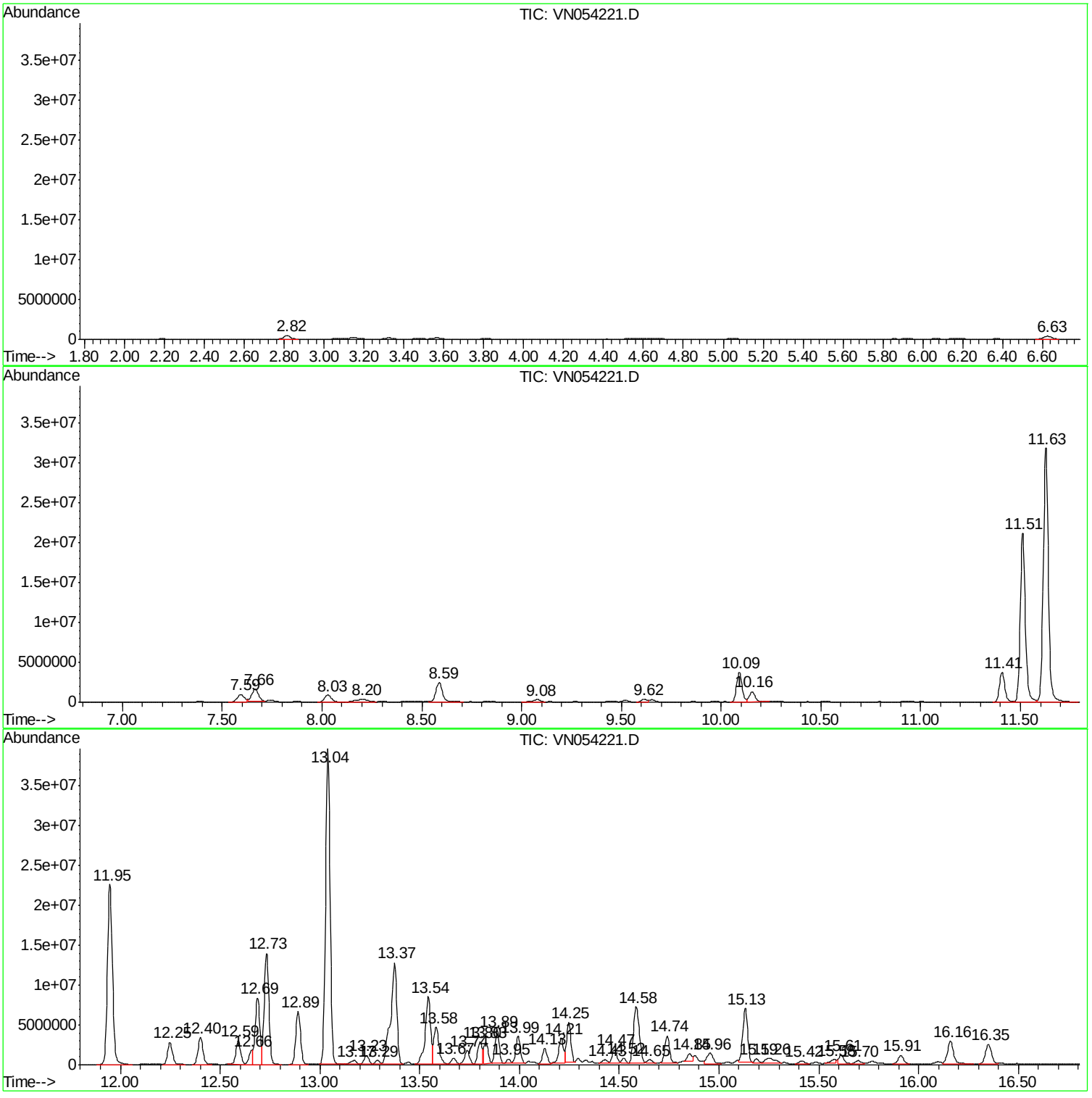
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.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\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

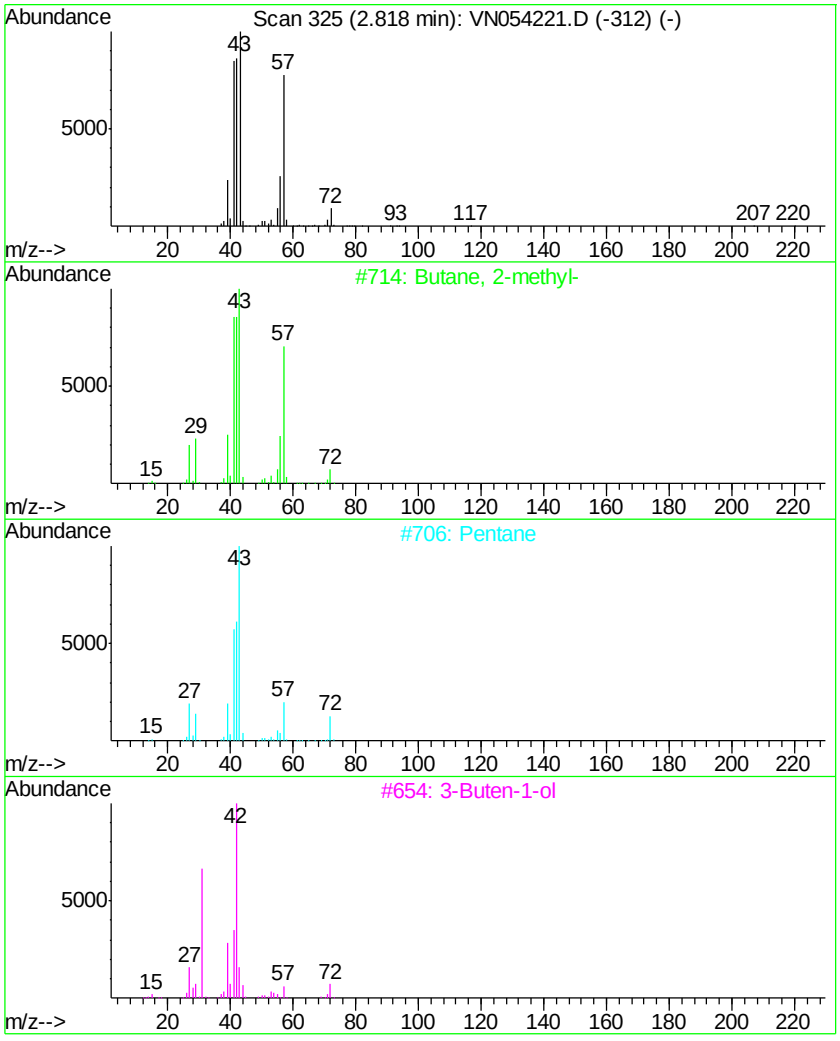
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

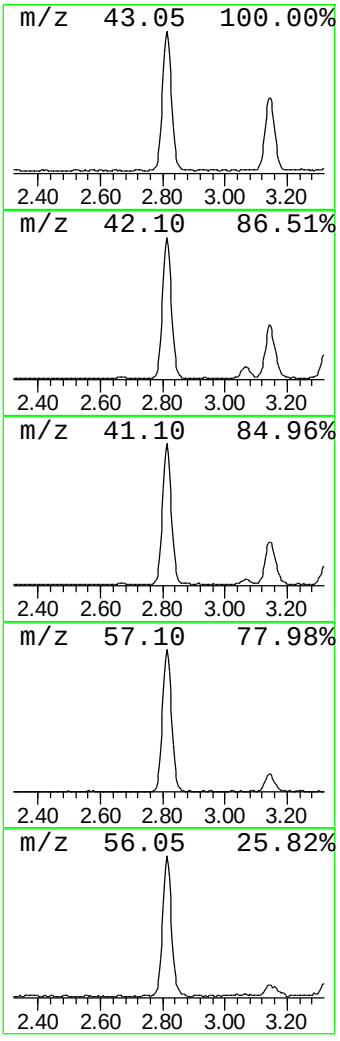
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	12.97 ug/l	922750	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	32
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	1-Butanesulfonyl chloride	156	C4H9ClO2S	002386-60-9	12
5	Butane, 2-nitro-	103	C4H9NO2	000600-24-8	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

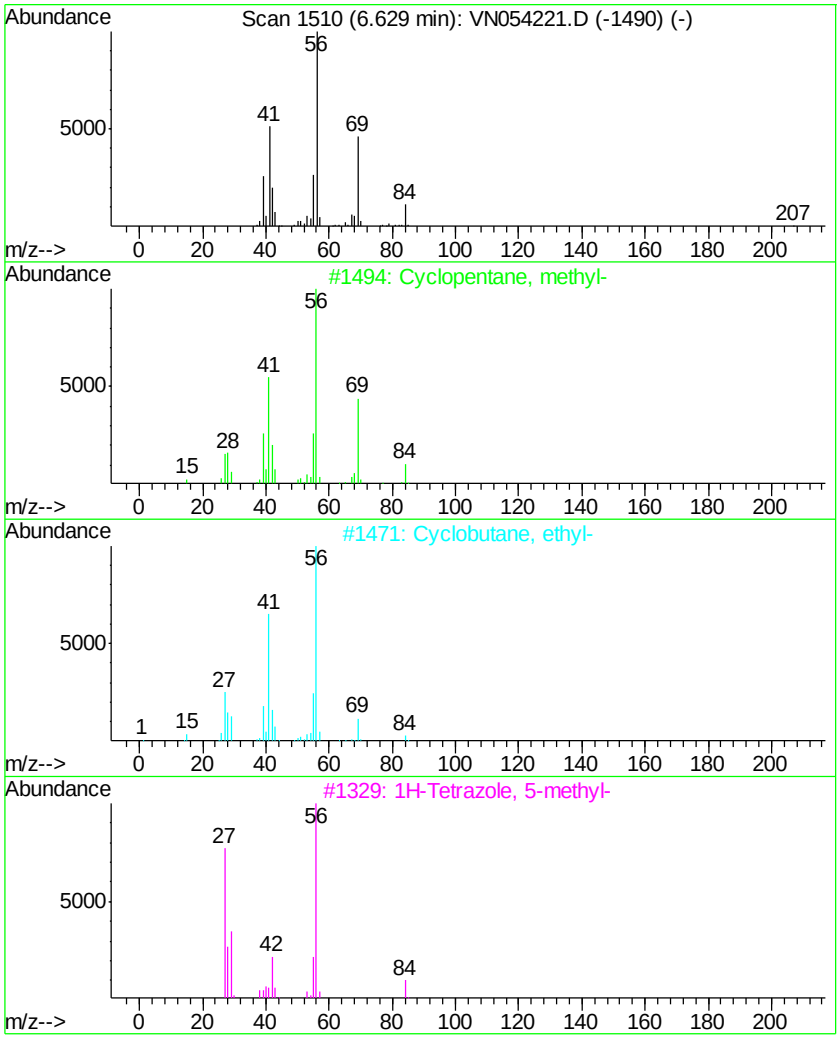
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

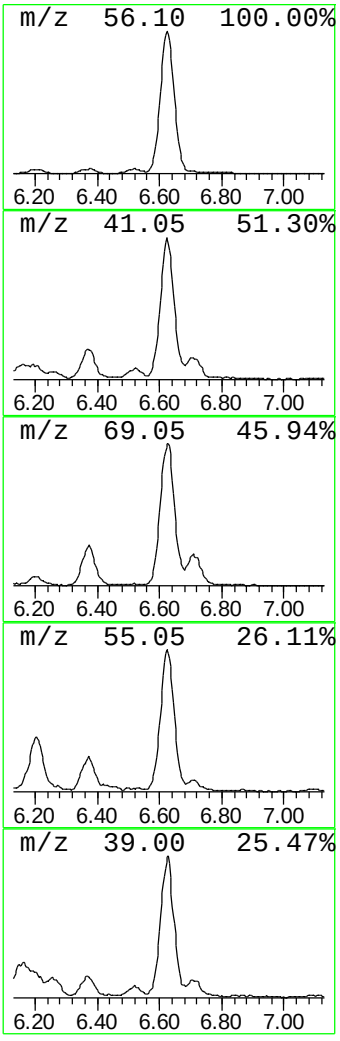
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	16.84 ug/l	1197780	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclohexane	84	C6H12	000110-82-7	50
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

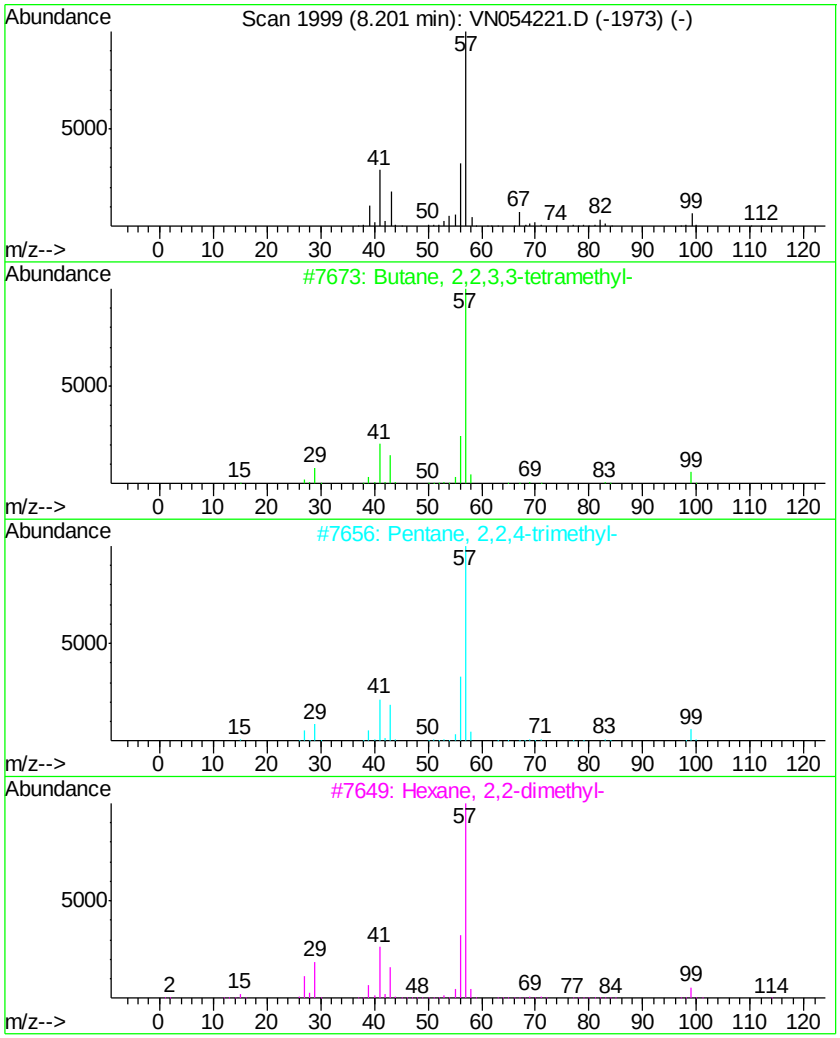
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

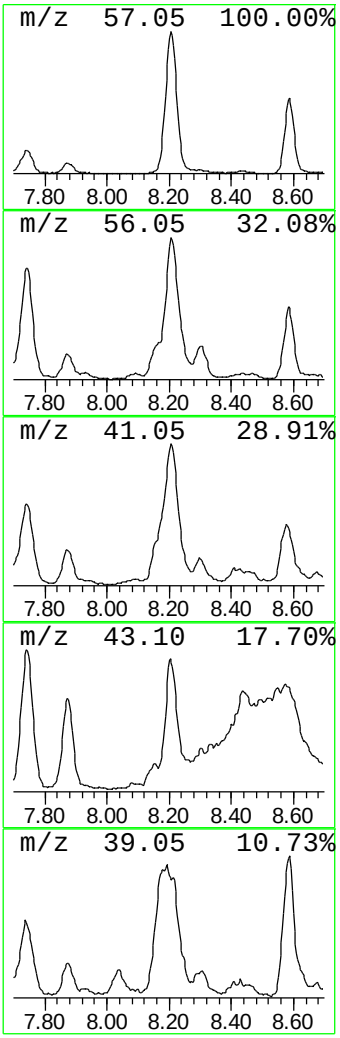
****

Peak Number 3 Butane, 2,2,3,3-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	13.16 ug/l	1471840	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

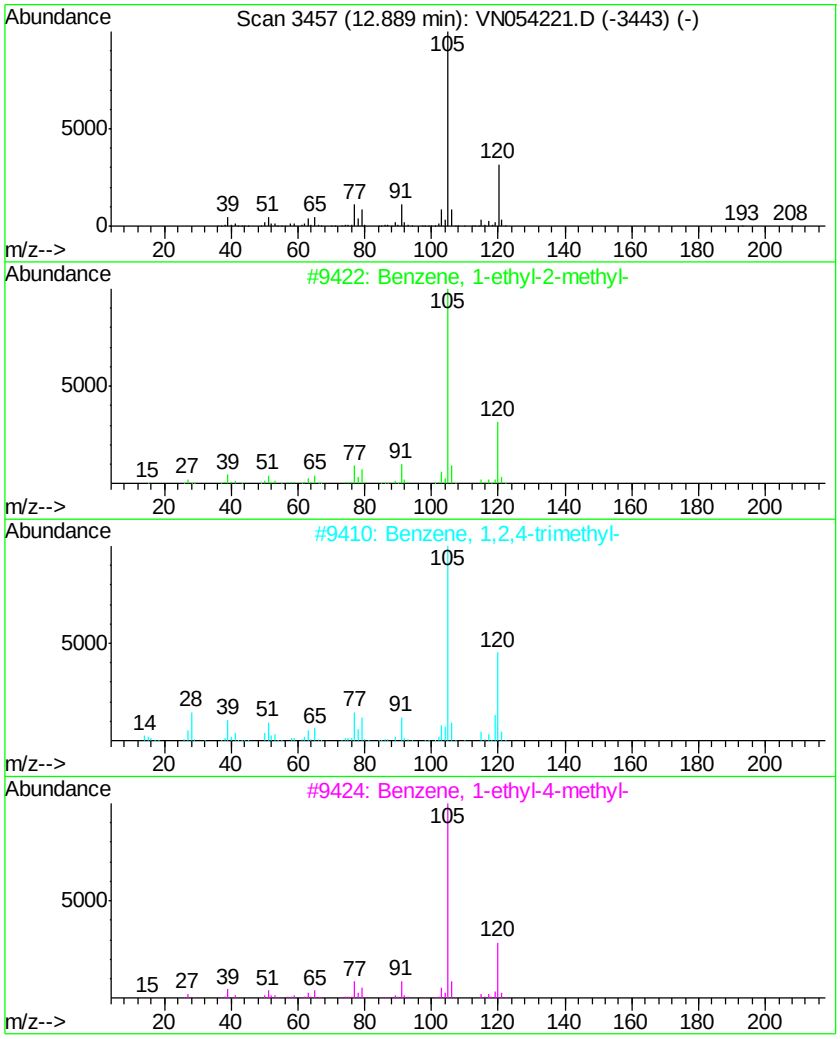
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

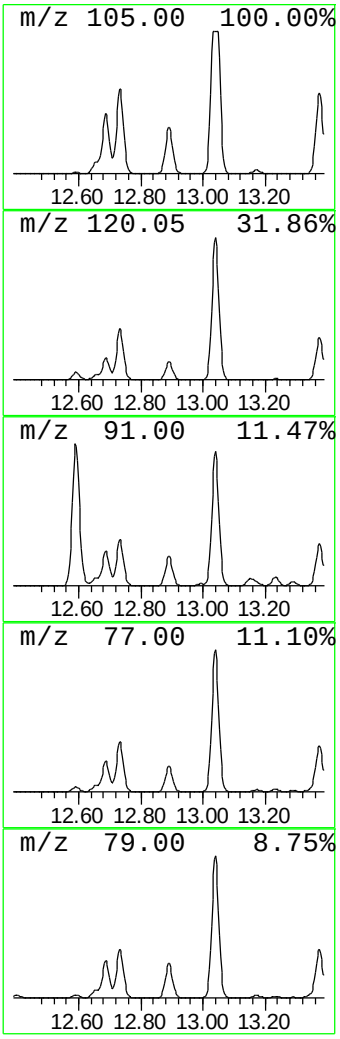
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	20.11 ug/l	11053500	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	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

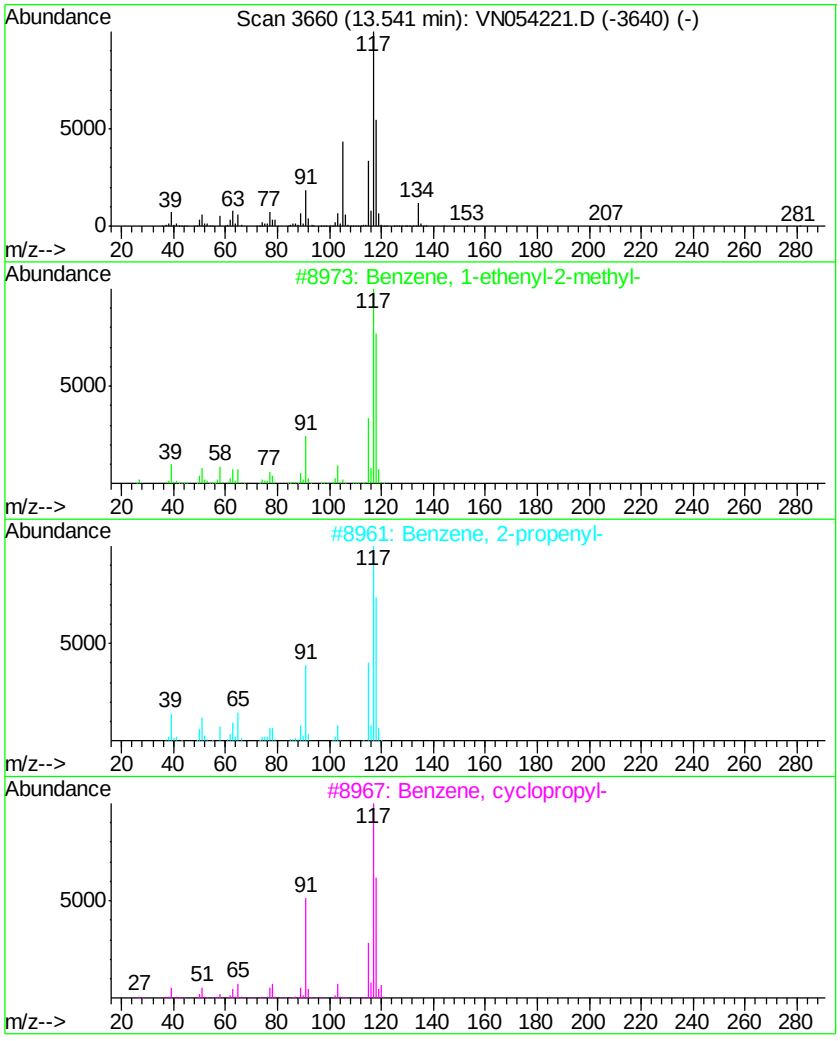
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

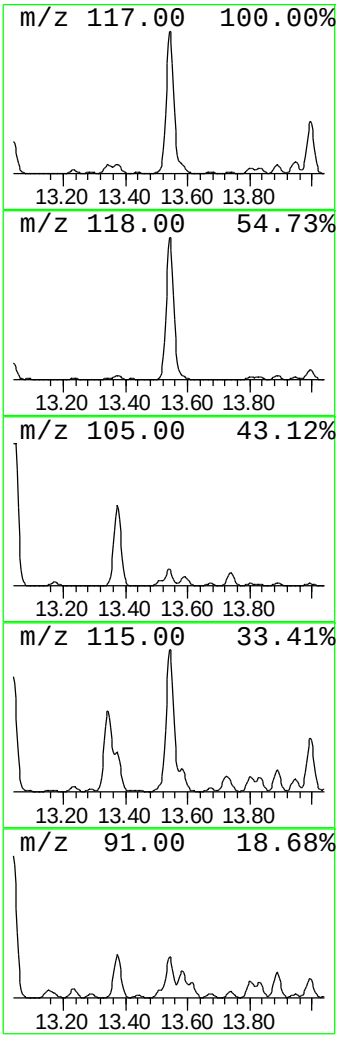
****

Peak Number 5 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	29.15 ug/l	16023400	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
5	Indane	118	C9H10	000496-11-7	70





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

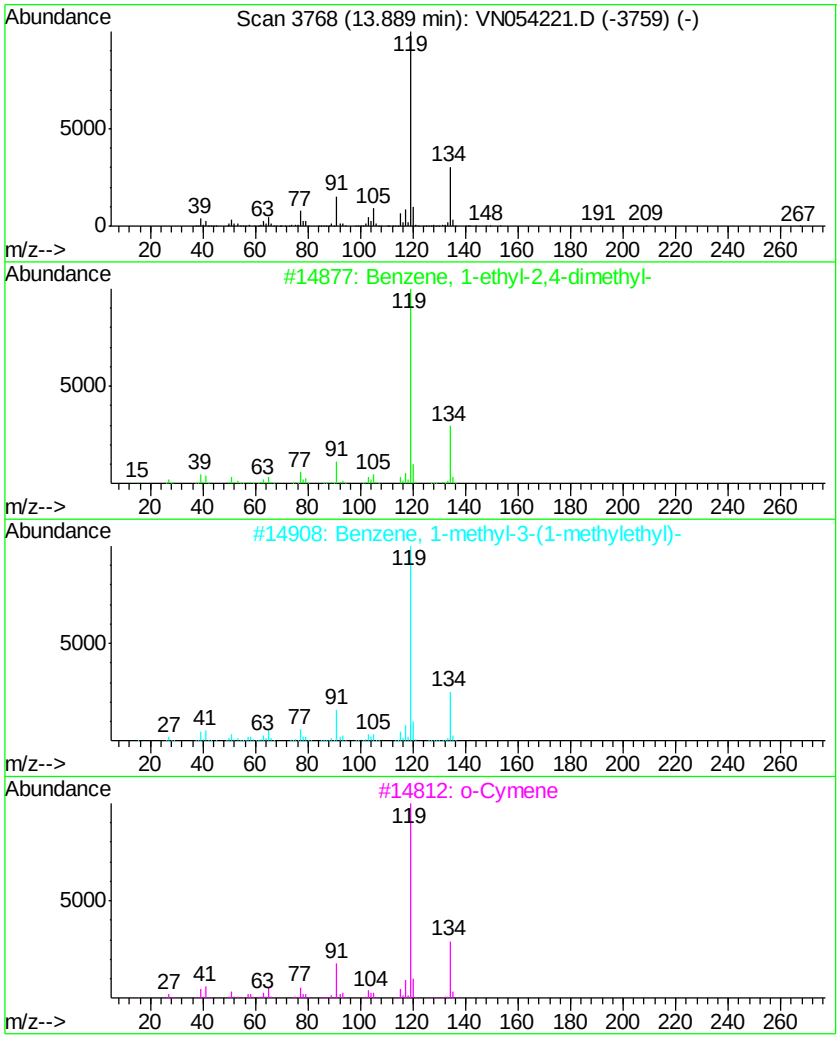
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

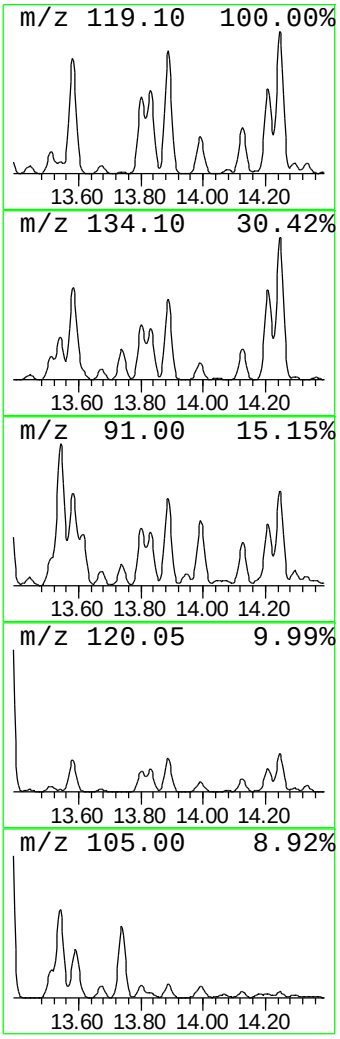
****

Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	11.25 ug/l	6186030	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

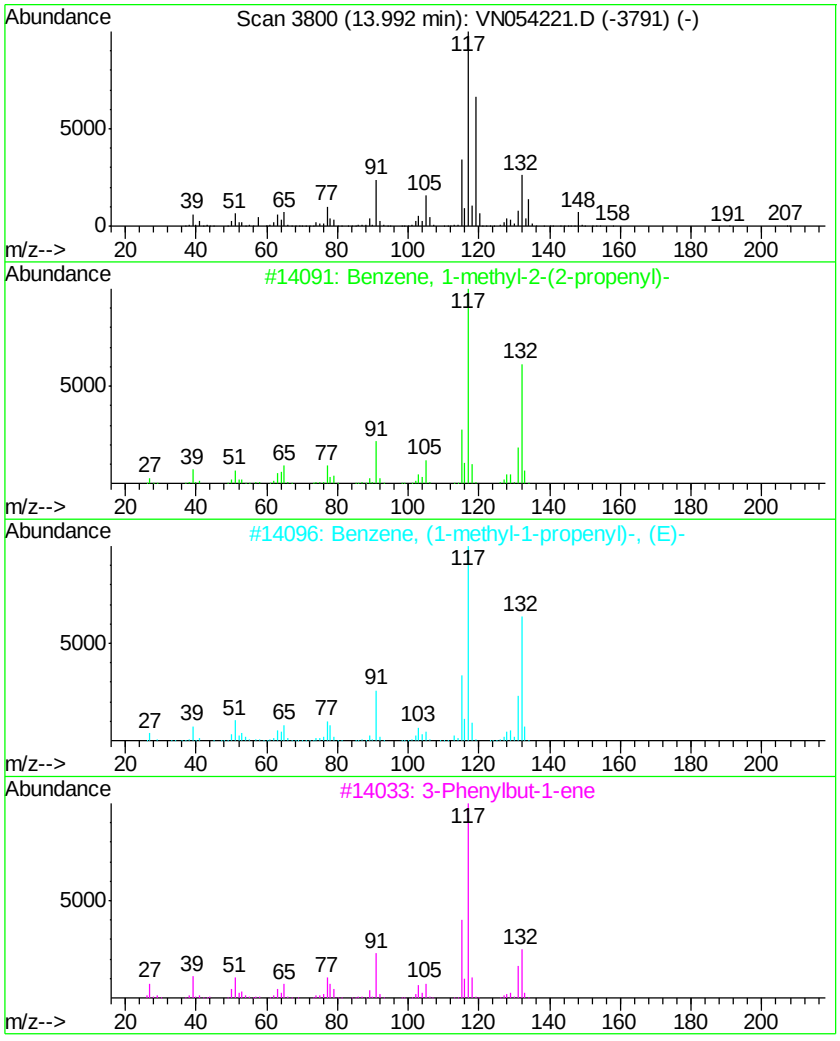
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

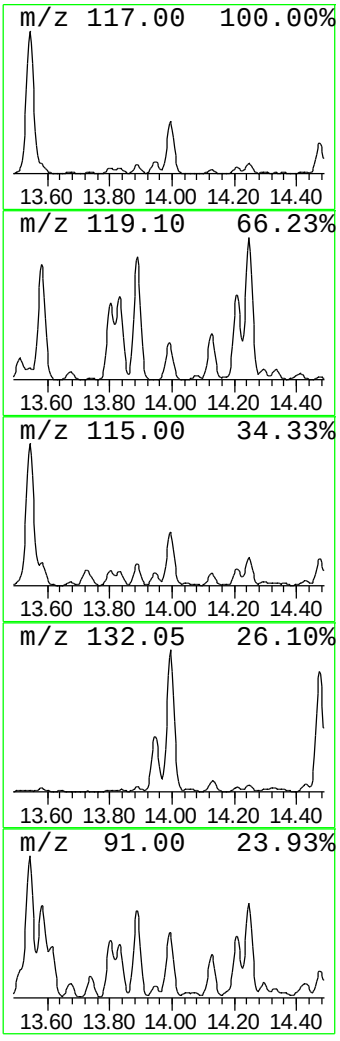
****

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	9.97 ug/l	5482190	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	83
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
5	Indan, 1-methyl-	132	C10H12	000767-58-8	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

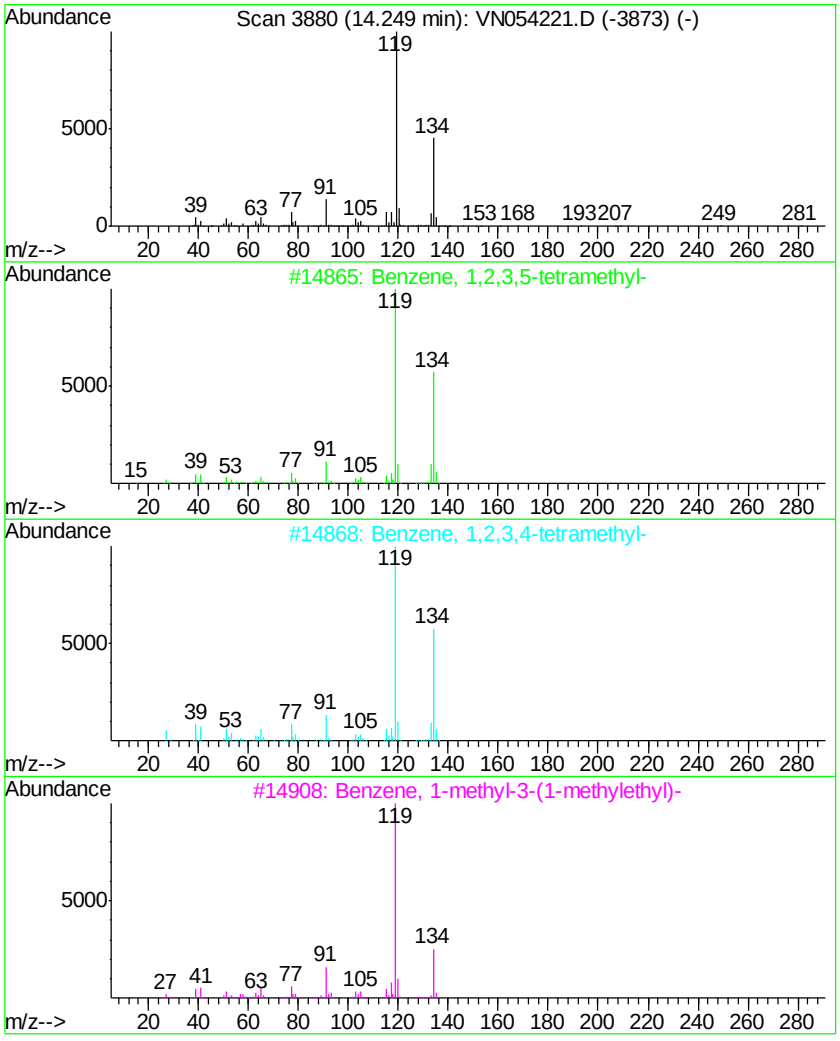
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

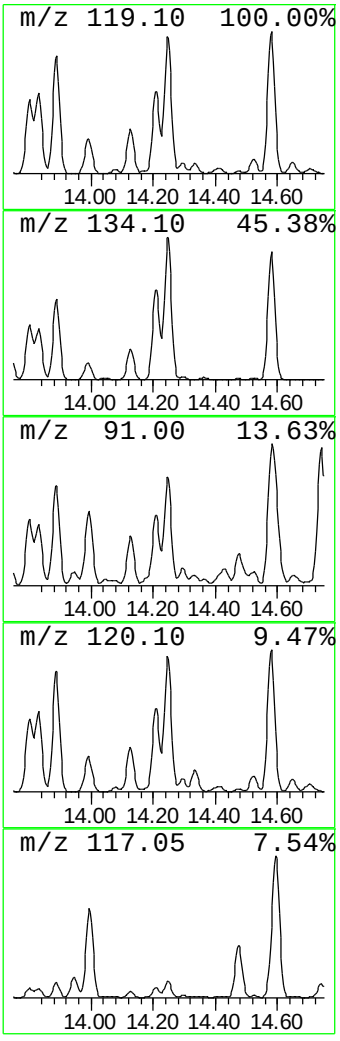
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	13.71 ug/l	7539200	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

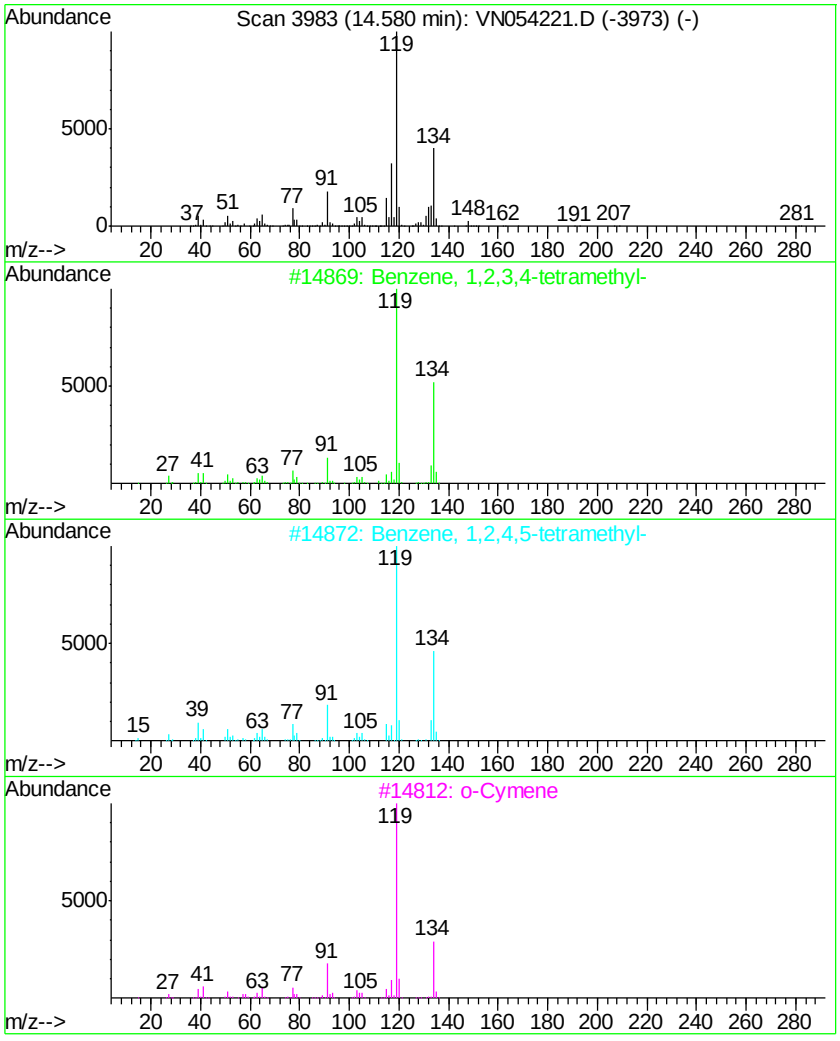
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

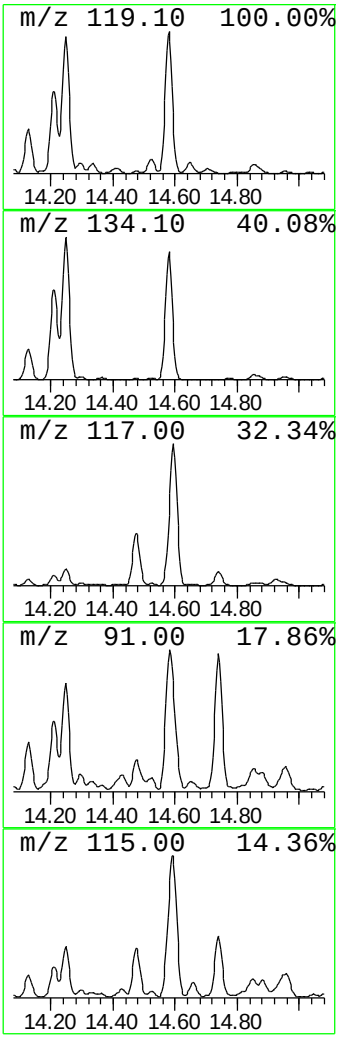
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	26.81 ug/l	14738500	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	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

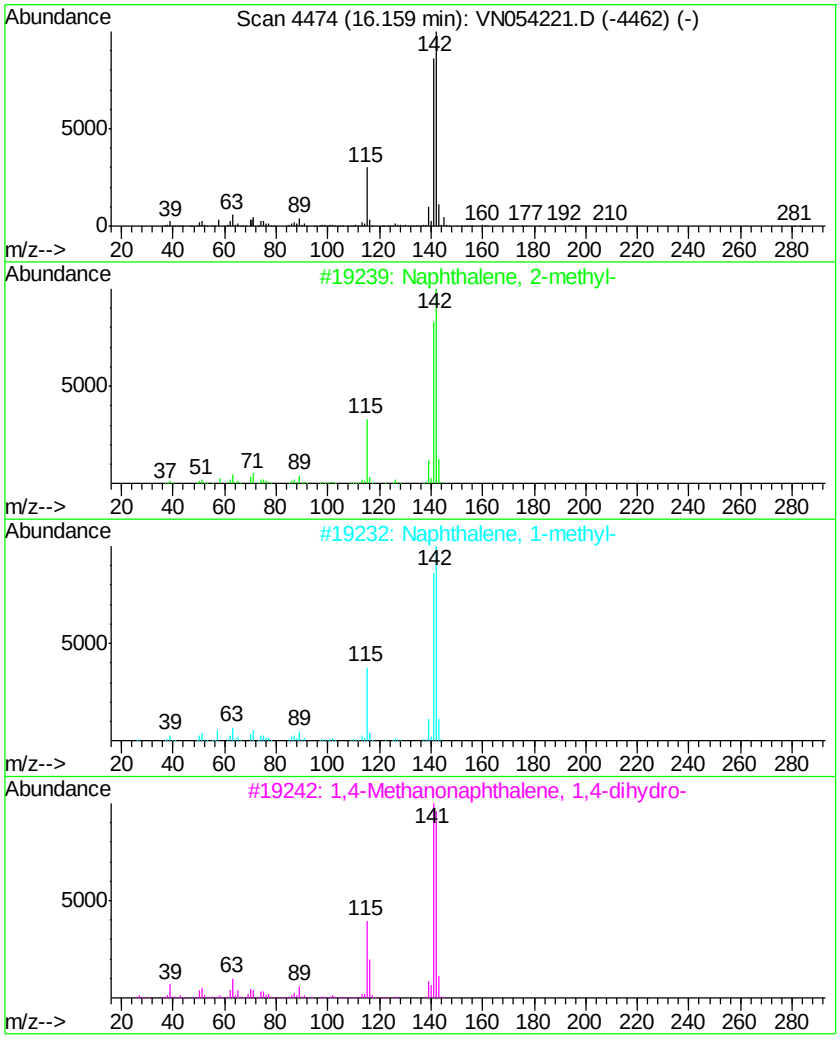
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

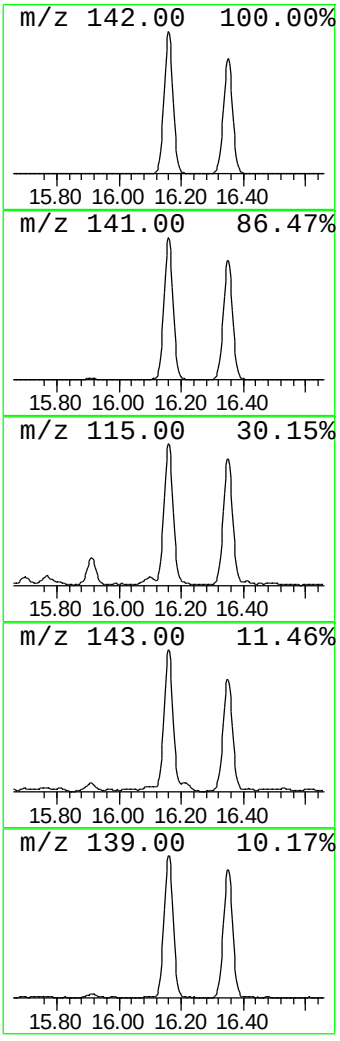
****

Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	11.45 ug/l	6296370	1,4-Dichlorobenzene-d4	13.34

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	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : PR-MW-01_030819

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.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
Butane, 2-methyl-	2.82	13.0	ug/l	922750	1	7.67	3557260	50.0
Cyclopentane, met...	6.63	16.8	ug/l	1197780	1	7.67	3557260	50.0
Butane, 2,2,3,3-t...	8.20	13.2	ug/l	1471840	2	8.59	5593560	50.0
Benzene, 1-ethyl-...	12.89	20.1	ug/l	11053500	4	13.34	27487200	50.0
Benzene, 1-etheny...	13.54	29.1	ug/l	16023400	4	13.34	27487200	50.0
Benzene, 1-ethyl-...	13.89	11.3	ug/l	6186030	4	13.34	27487200	50.0
Benzene, 1-methyl...	13.99	10.0	ug/l	5482190	4	13.34	27487200	50.0
Benzene, 1,2,3,5-...	14.25	13.7	ug/l	7539200	4	13.34	27487200	50.0
Benzene, 1,2,3,4-...	14.58	26.8	ug/l	14738500	4	13.34	27487200	50.0
1,4-Methanonaphth...	16.16	11.4	ug/l	6296370	4	13.34	27487200	50.0