LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

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_X\METHOD\82X061919W.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	4.598	554	565	575	rBV	22177	62755	1.42%	0.488%
2	5.500	700	713	724	rBV	128694	363559	8.20%	2.826%
3	5.665	728	740	760	rVB	215320	632259	14.26%	4.914%
4	6.061	795	805	815	rBV	123012	322053	7.26%	2.503%
5	6.348	843	852	866	rVB3	38468	118080	2.66%	0.918%
6	6.860	926	936	946	rBV	318740	760236	17.15%	5.909%
7	8.055	1123	1132	1141	rVB	47005	99608	2.25%	0.774%
8	8.177	1143	1152	1161	rBV	116691	225261	5.08%	1.751%
9	8.713	1224	1240	1249	rBV	686278	1096859	24.74%	8.525%
10	10.134	1464	1473	1479	rBV2	2577188	4433890	100.00%	34.463%
11	10.658	1545	1559	1564	rBV4	32530	81125	1.83%	0.631%
12	11.066	1620	1626	1631	rVB3	36382	60743	1.37%	0.472%
13	11.133	1631	1637	1642	rBV	575632	738797	16.66%	5.742%
14	11.670	1716	1725	1731	rBV2	30076	51549	1.16%	0.401%
15	11.767	1736	1741	1745	rBV	78531	94333	2.13%	0.733%
16	11.920	1758	1766	1768	rBV2	65041	107139	2.42%	0.833%
17	11.944	1768	1770	1777	rVB	56788	63377	1.43%	0.493%
18	12.078	1786	1792	1798	rBV	720488	917449	20.69%	7.131%
19	12.231	1812	1817	1823	rVB	268376	322868	7.28%	2.510%
20	12.298	1823	1828	1834	rVV	167383	207648	4.68%	1.614%
21	12.365	1835	1839	1851	rVB5	27153	54899	1.24%	0.427%
22	12.664	1879	1888	1891	rBV2	44855	73691	1.66%	0.573%
23	12.700	1891	1894	1899	rVV2	91175	163781	3.69%	1.273%
24	12.755	1899	1903	1909	rVV2	534077	815617	18.40%	6.339%
25	12.816	1909	1913	1918	rVV	45126	60670	1.37%	0.472%
26	12.895	1918	1926	1931	rVB2	183020	279120	6.30%	2.169%
27	12.956	1931	1936	1937	rBV2	51394	62997	1.42%	0.490%
28	12.975	1937	1939	1944	rVB	65750	74187	1.67%	0.577%
29	13.090	1952	1958	1963	rVB2	52031	76885	1.73%	0.598%
30	13.188	1970	1974	1978	rBV	46938	54934	1.24%	0.427%
31	13.249	1978	1984	1988	rVB2	49006	66369	1.50%	0.516%
32	13.346	1995	2000	2005	rVB2	118896	156988	3.54%	1.220%
33	13.401	2005	2009	2014	rVB2	83696	109298	2.47%	0.850%
34	13.475	2014	2021	2027	rBV6	25941	56682	1.28%	0.441%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

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_X\METHOD\82X061919W.M
Title : SW846 8260

Sum of corrected areas: 12865706

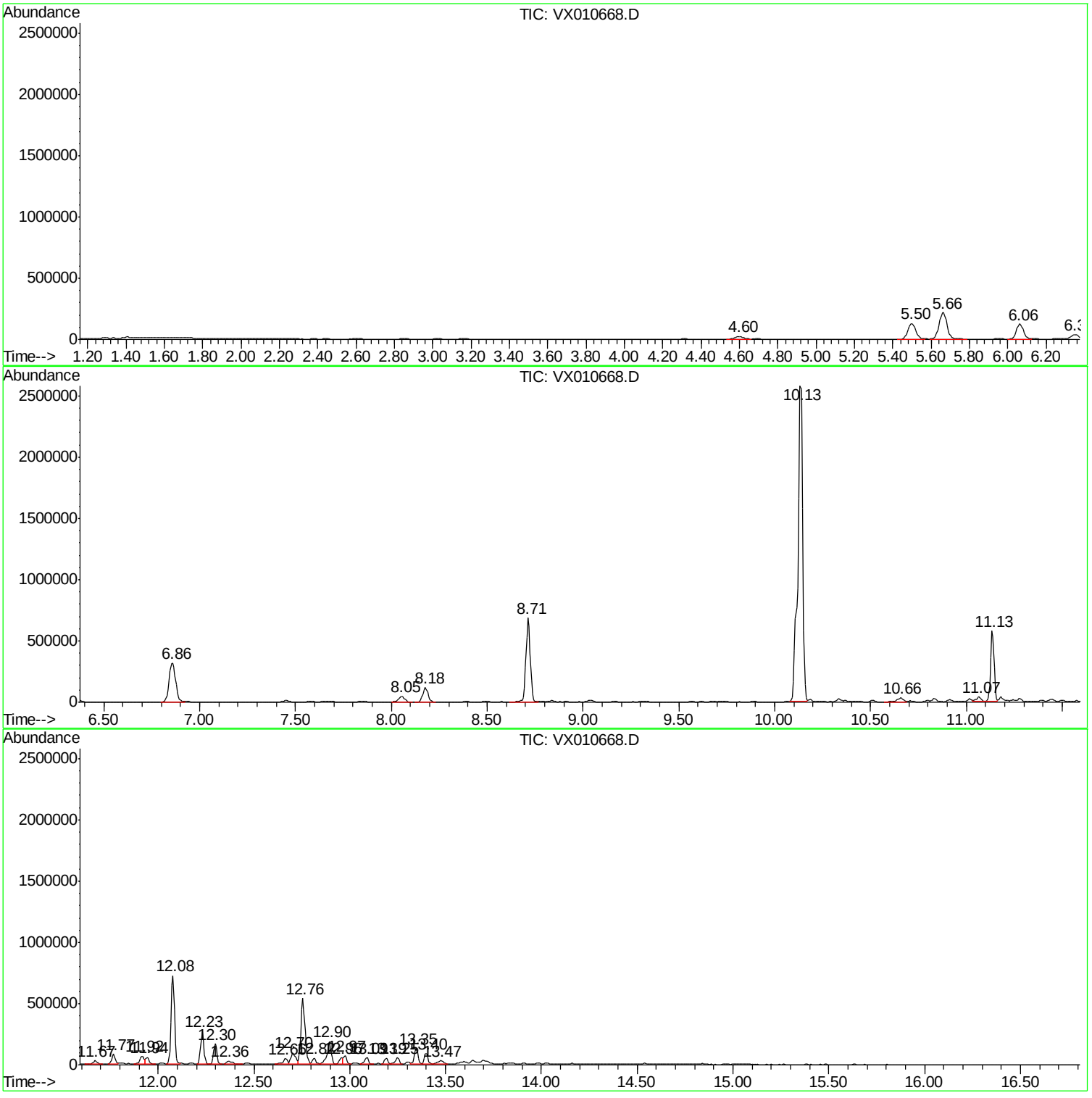
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

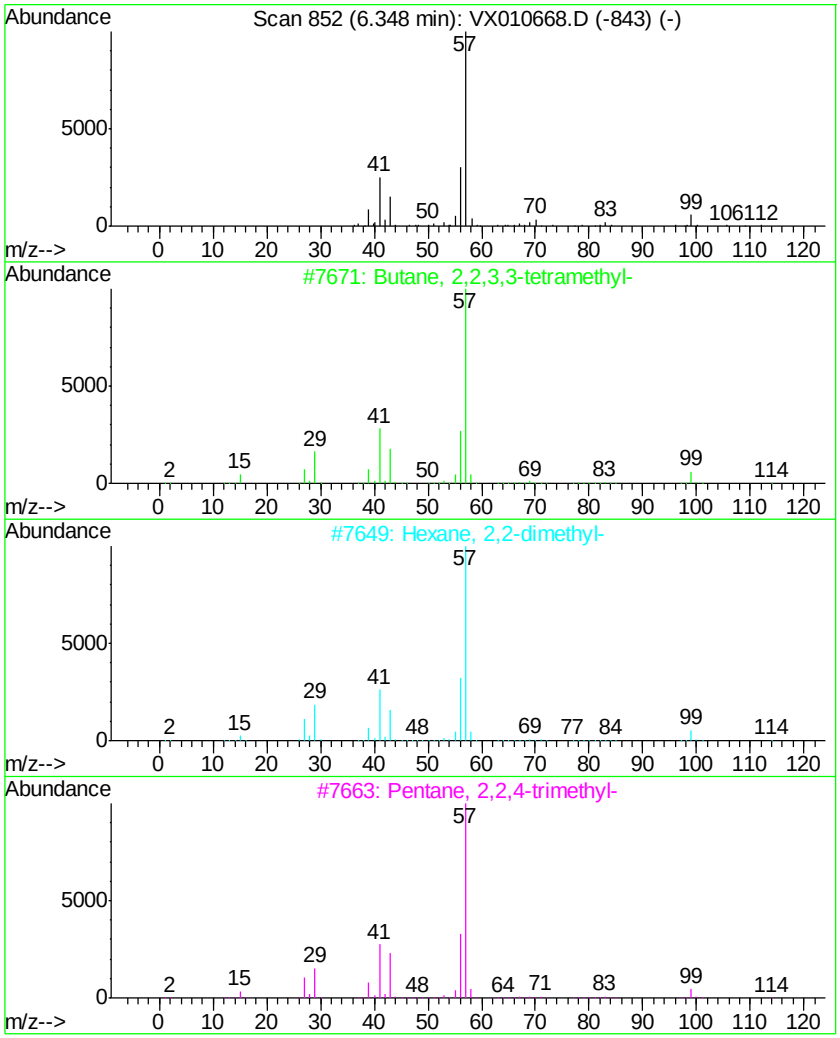
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

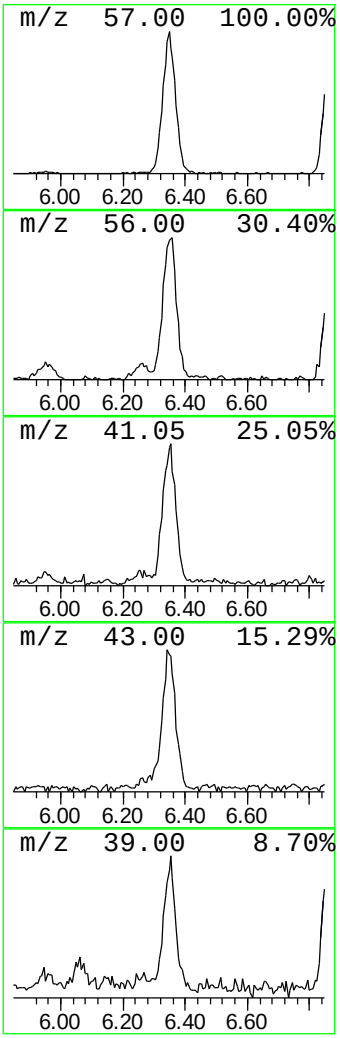
****

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	7.77 ug/l	118080	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	59
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

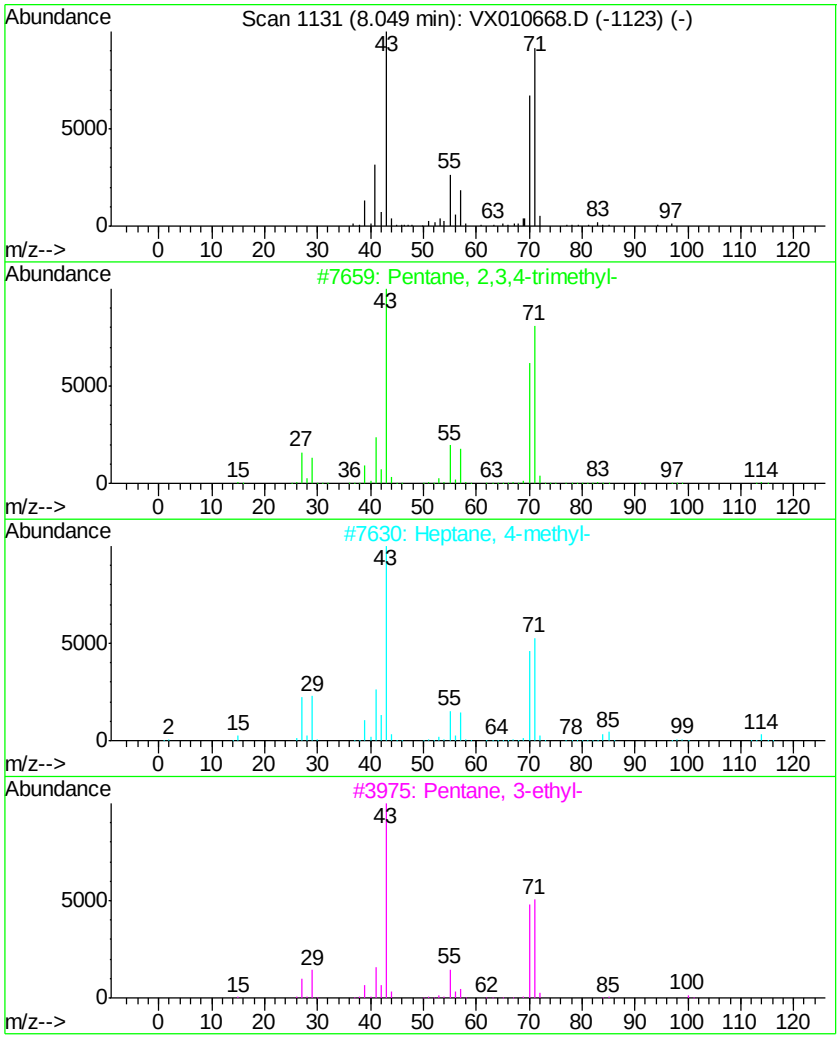
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

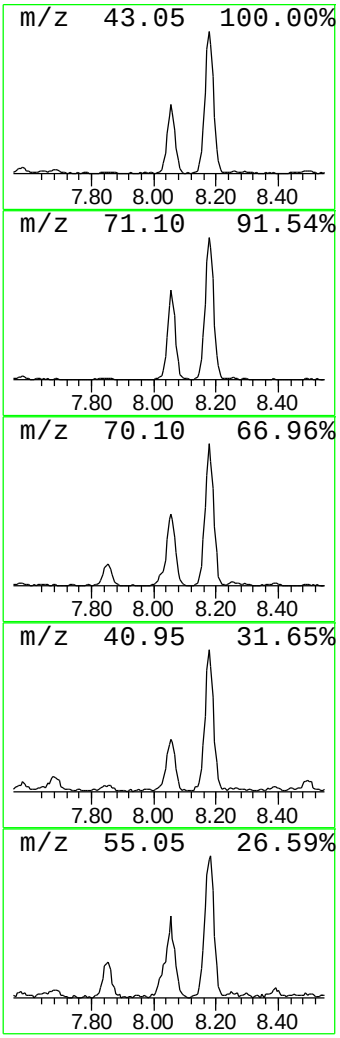
****

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	6.55 ug/l	99608	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

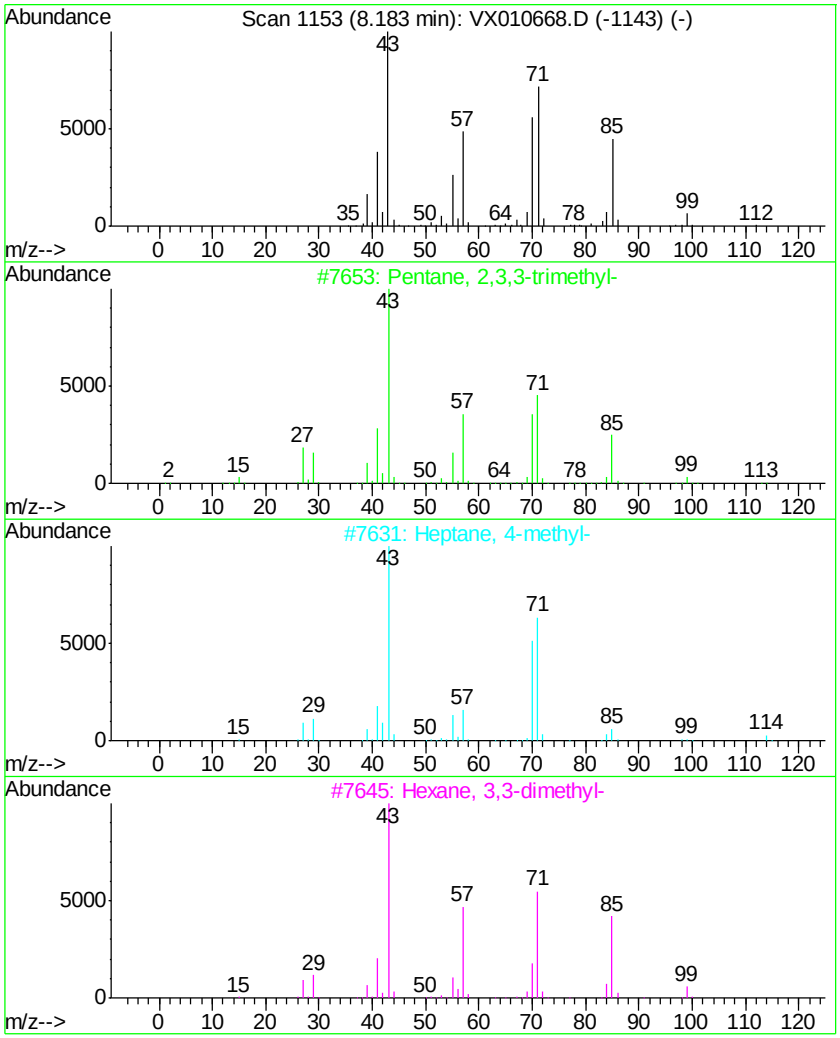
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

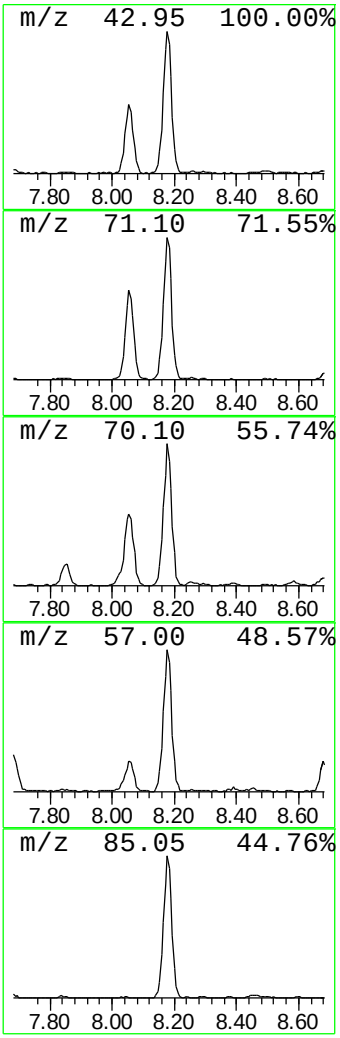
****

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	14.82 ug/l	225261	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

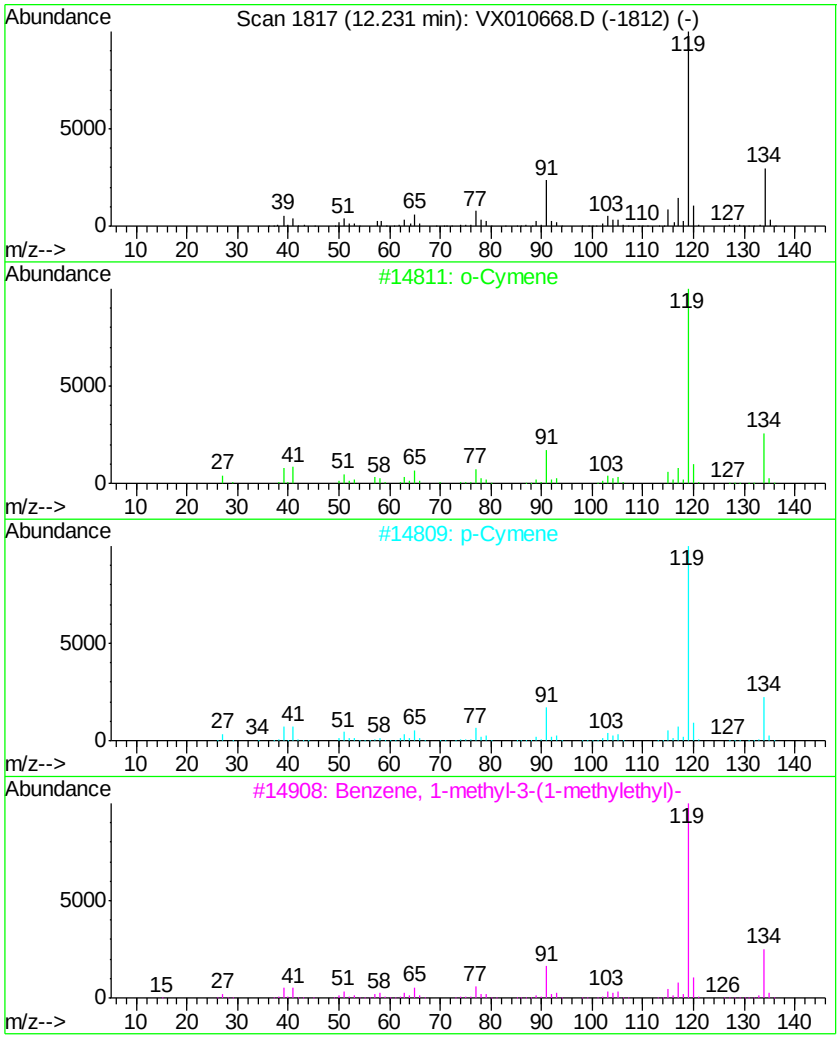
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

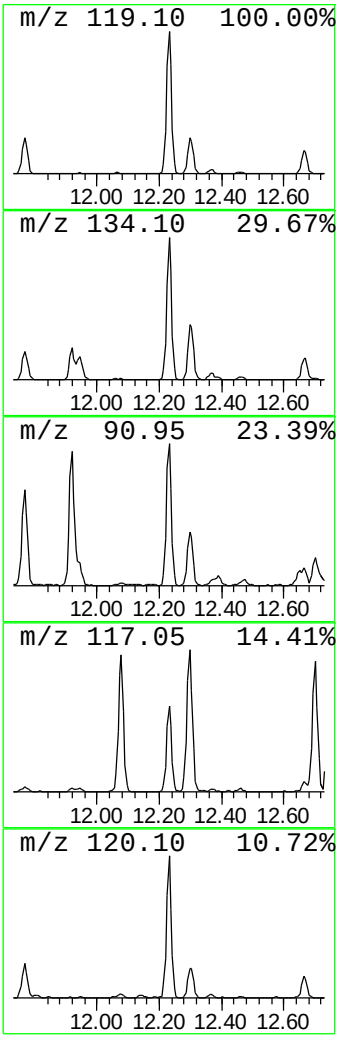
****

Peak Number 4 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	17.60 ug/l	322868	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

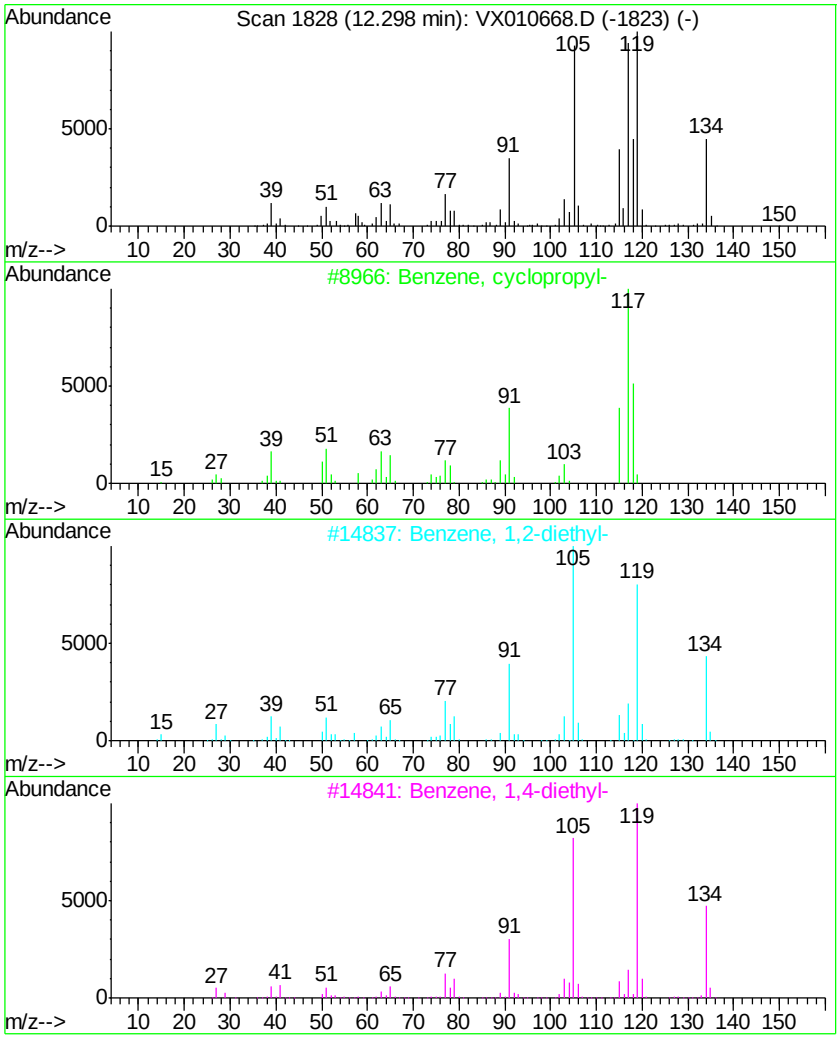
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

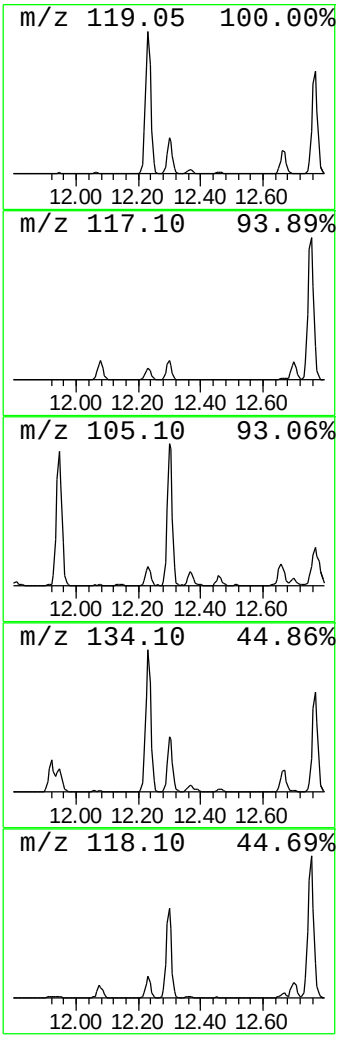
****

Peak Number 5 Benzene, cyclopropyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	11.32 ug/l	207648	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	56
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	55
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50
5	Benzene, tert-butyl-	134	C10H14	000098-06-6	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

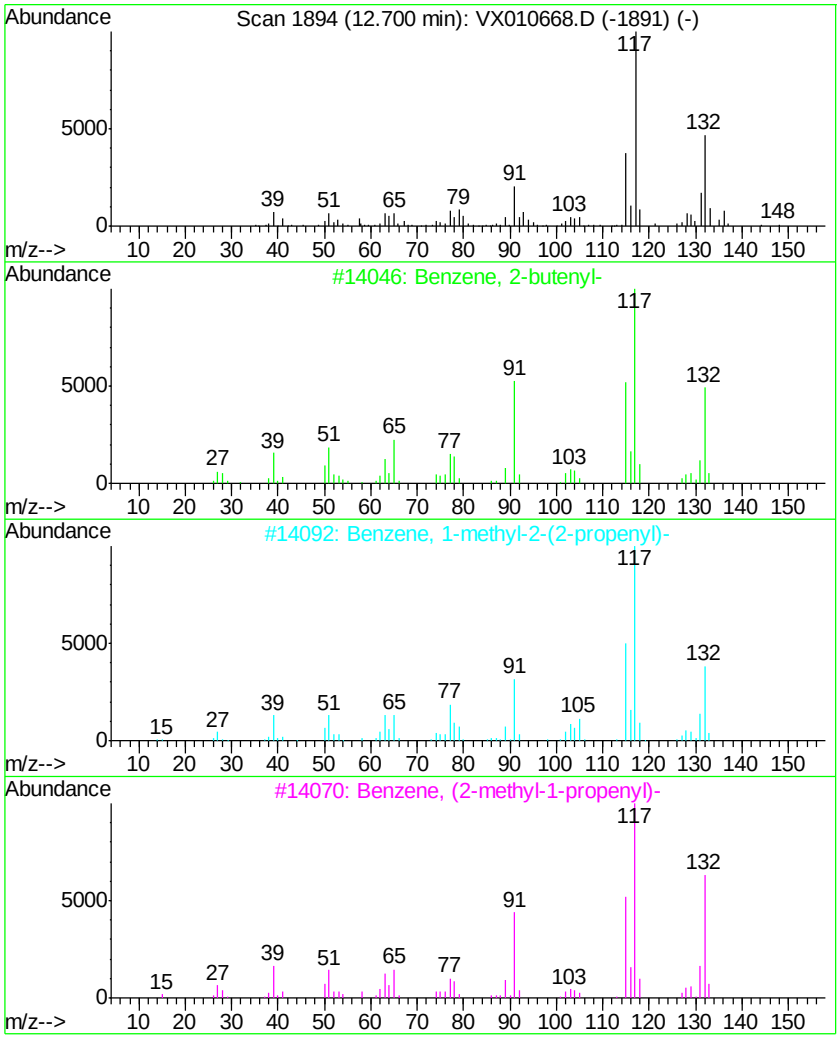
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

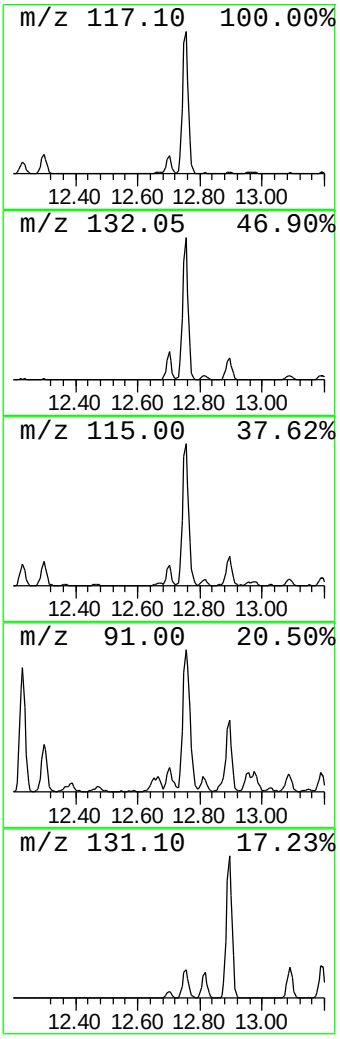
****

Peak Number 6 Benzene, 2-butenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	8.93 ug/l	163781	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

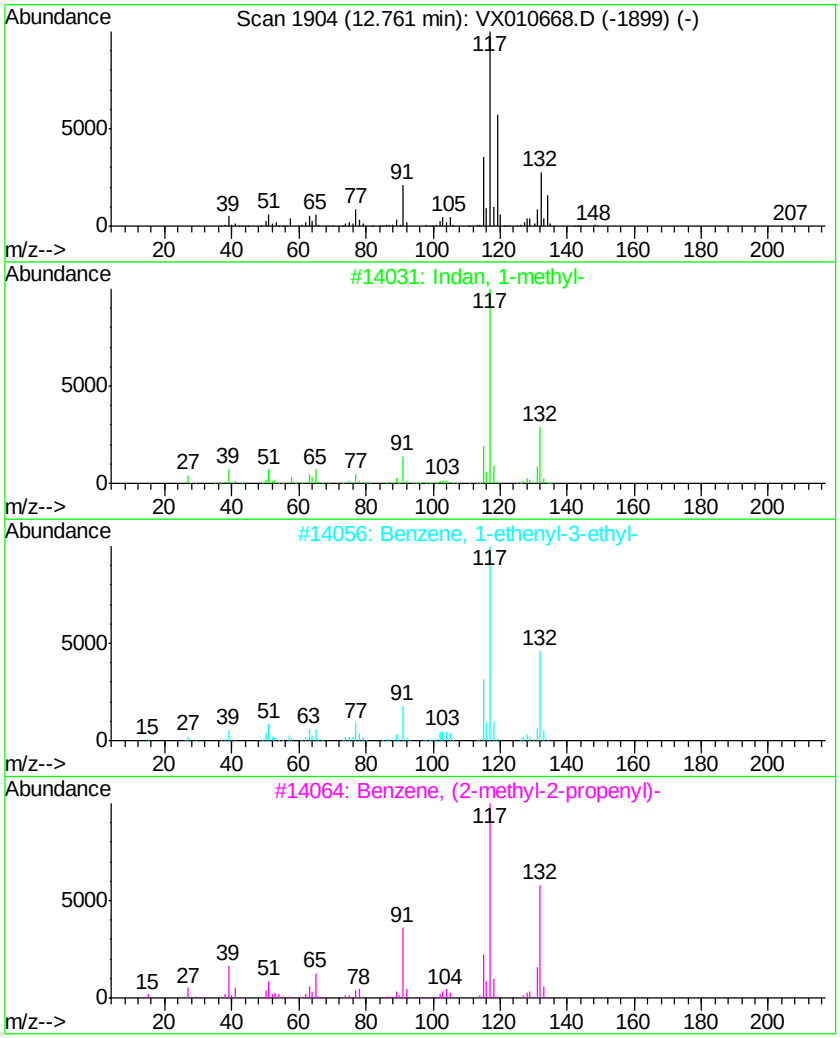
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

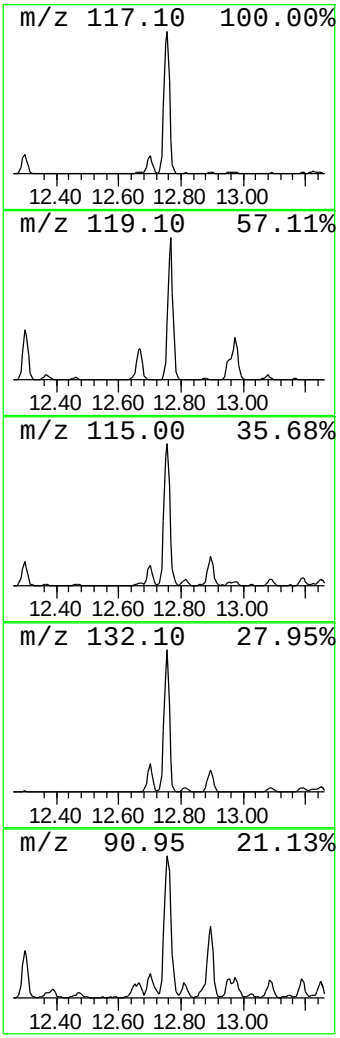
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	44.45 ug/l	815617	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

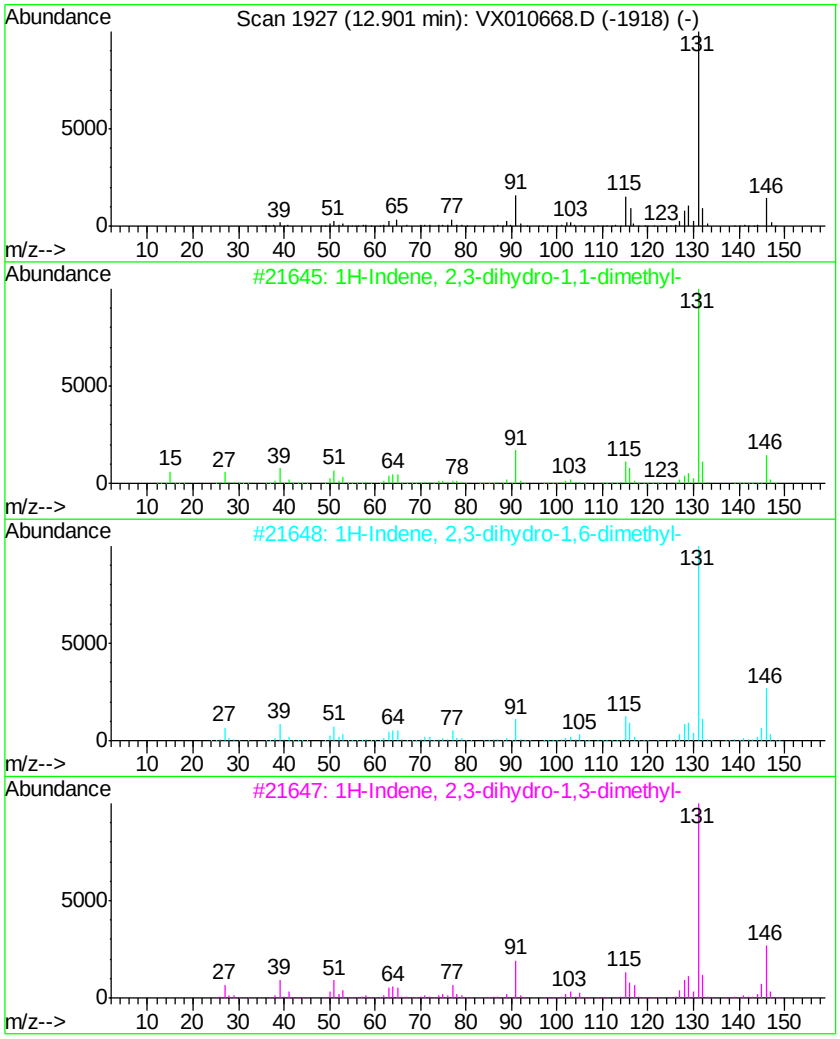
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

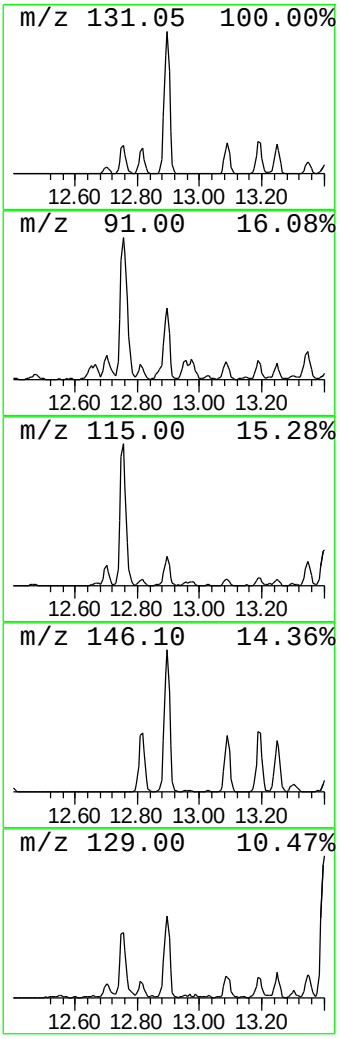
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	15.21 ug/l	279120	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Propanedinitrile, (2,3-dihydro-1...	196	C13H12N2	069564-96-1	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

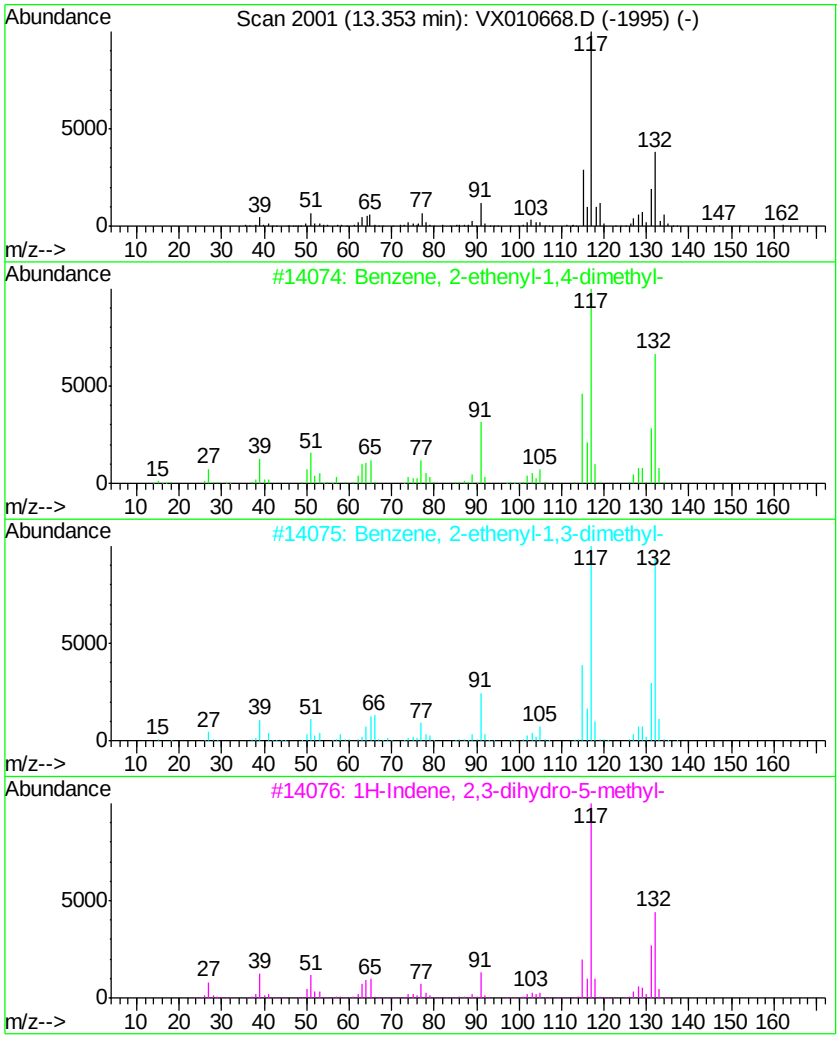
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

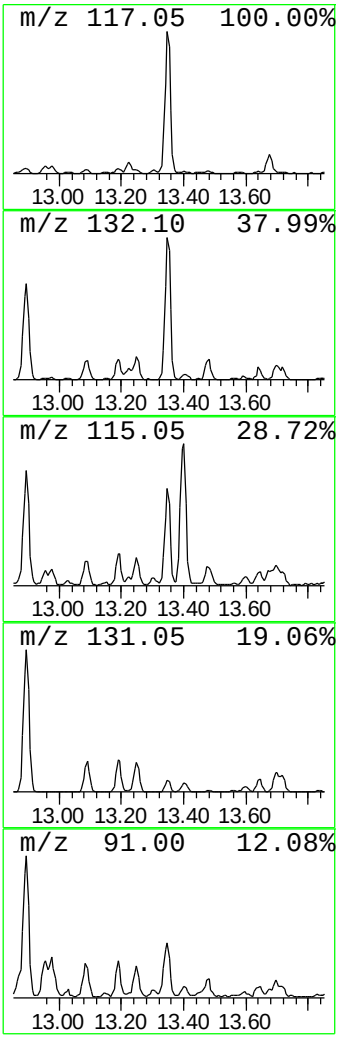
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	8.56 ug/l	156988	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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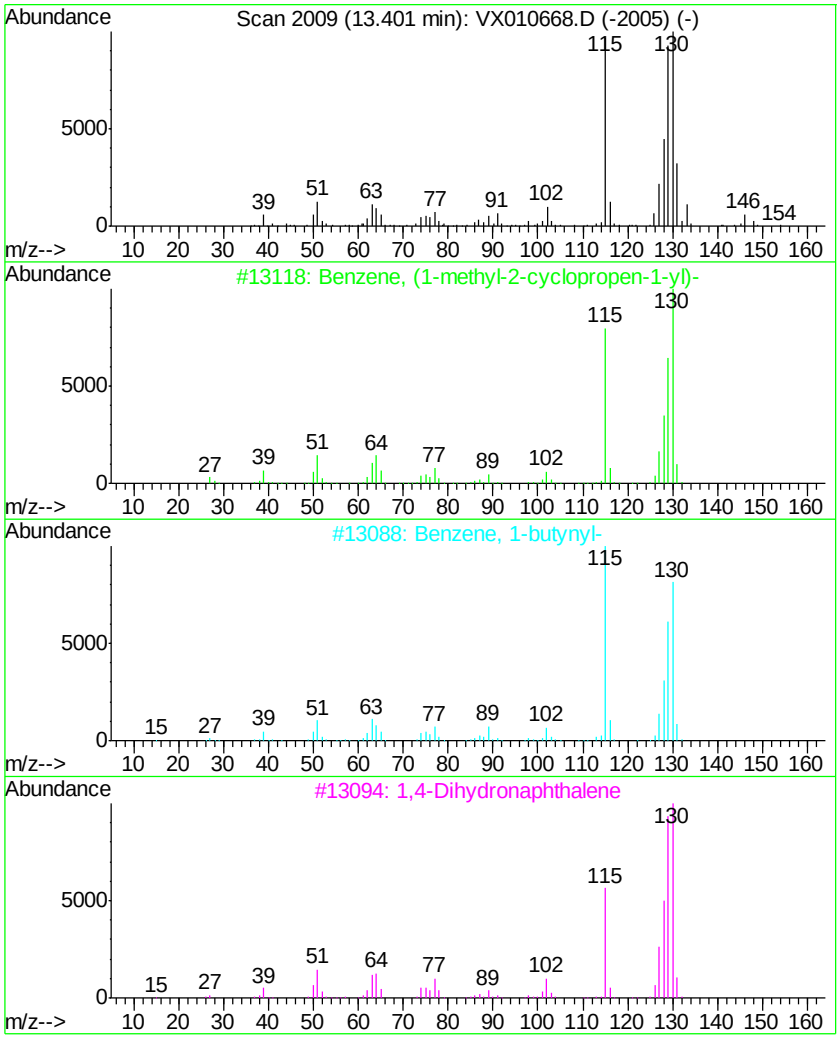
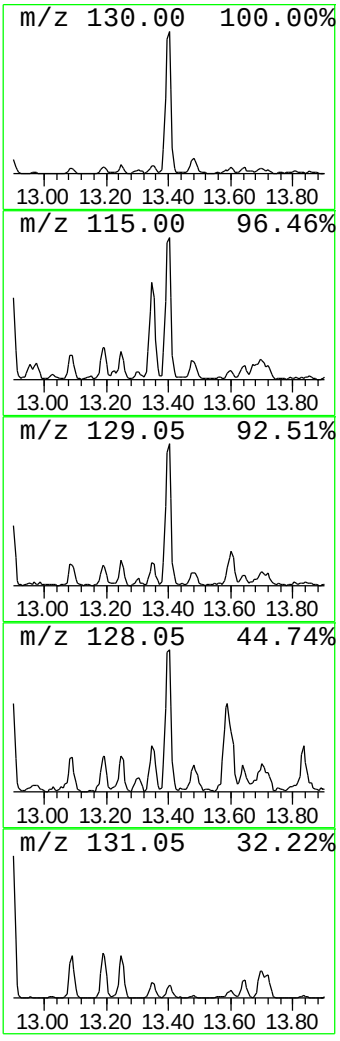
Peak Number 10 Benzene, (1-methyl-2-cyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	5.96 ug/l	109298	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	90
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	90
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
5	2-Methylindene	130	C10H10	002177-47-1	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010668.D
Acq On : 04 Jul 2019 05:31
Operator : JC/SP
Sample : K3669-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS037MW036-190701

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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, 2,2,3,3-t...	6.35	7.8	ug/l	118080	2	6.86	760236	50.0
Pentane, 2,3,4-tr...	8.05	6.5	ug/l	99608	2	6.86	760236	50.0
Pentane, 2,3,3-tr...	8.18	14.8	ug/l	225261	2	6.86	760236	50.0
o-Cymene	12.23	17.6	ug/l	322868	4	12.08	917449	50.0
Benzene, cyclopro...	12.30	11.3	ug/l	207648	4	12.08	917449	50.0
Benzene, 2-butenyl-	12.70	8.9	ug/l	163781	4	12.08	917449	50.0
Indan, 1-methyl-	12.76	44.5	ug/l	815617	4	12.08	917449	50.0
1H-Indene, 2,3-di...	12.90	15.2	ug/l	279120	4	12.08	917449	50.0
Benzene, 2-etheny...	13.35	8.6	ug/l	156988	4	12.08	917449	50.0
Benzene, (1-methy...	13.40	6.0	ug/l	109298	4	12.08	917449	50.0