LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X111119W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.435	247	254	268	rBV2	203357	406477	1.98%	0.655%
2	3.027	341	351	369	rBV	8282355	18531757	90.14%	29.854%
3	4.685	605	623	650	rBV	6252728	20559232	100.00%	33.120%
4	5.002	665	675	683	rBV	215162	639895	3.11%	1.031%
5	5.112	683	693	714	rVB	2103159	6229084	30.30%	10.035%
6	6.051	836	847	855	rBV	240922	627017	3.05%	1.010%
7	6.331	887	893	903	rVB	170269	470763	2.29%	0.758%
8	6.849	969	978	989	rBV	517665	1202253	5.85%	1.937%
9	8.636	1263	1271	1277	rBV2	141587	271188	1.32%	0.437%
10	8.709	1277	1283	1290	rBV	1117829	1691984	8.23%	2.726%
11	8.861	1303	1308	1314	rBV	214122	351862	1.71%	0.567%
12	10.111	1502	1513	1524	rBV	1097766	1735462	8.44%	2.796%
13	10.263	1532	1538	1543	rBV2	124825	234580	1.14%	0.378%
14	10.355	1549	1553	1558	rVB	369227	517980	2.52%	0.834%
15	10.696	1604	1609	1617	rBV	274501	372649	1.81%	0.600%
16	11.135	1675	1681	1687	rBV	910297	1210665	5.89%	1.950%
17	11.800	1780	1790	1795	rVB	128967	229982	1.12%	0.370%
18	11.940	1808	1813	1821	rVB	299692	401642	1.95%	0.647%
19	12.092	1835	1838	1842	rVB	210709	257020	1.25%	0.414%
20	12.812	1950	1956	1961	rVV	495884	690694	3.36%	1.113%
21	12.958	1968	1980	1985	rBV	2002948	2682088	13.05%	4.321%
22	13.013	1985	1989	1993	rVB3	188557	286479	1.39%	0.462%
23	13.525	2068	2073	2078	rBV3	572152	803987	3.91%	1.295%
24	13.641	2086	2092	2101	rBV2	973451	1460596	7.10%	2.353%
25	13.824	2118	2122	2129	rVB2	138413	209615	1.02%	0.338%

Sum of corrected areas: 62074951

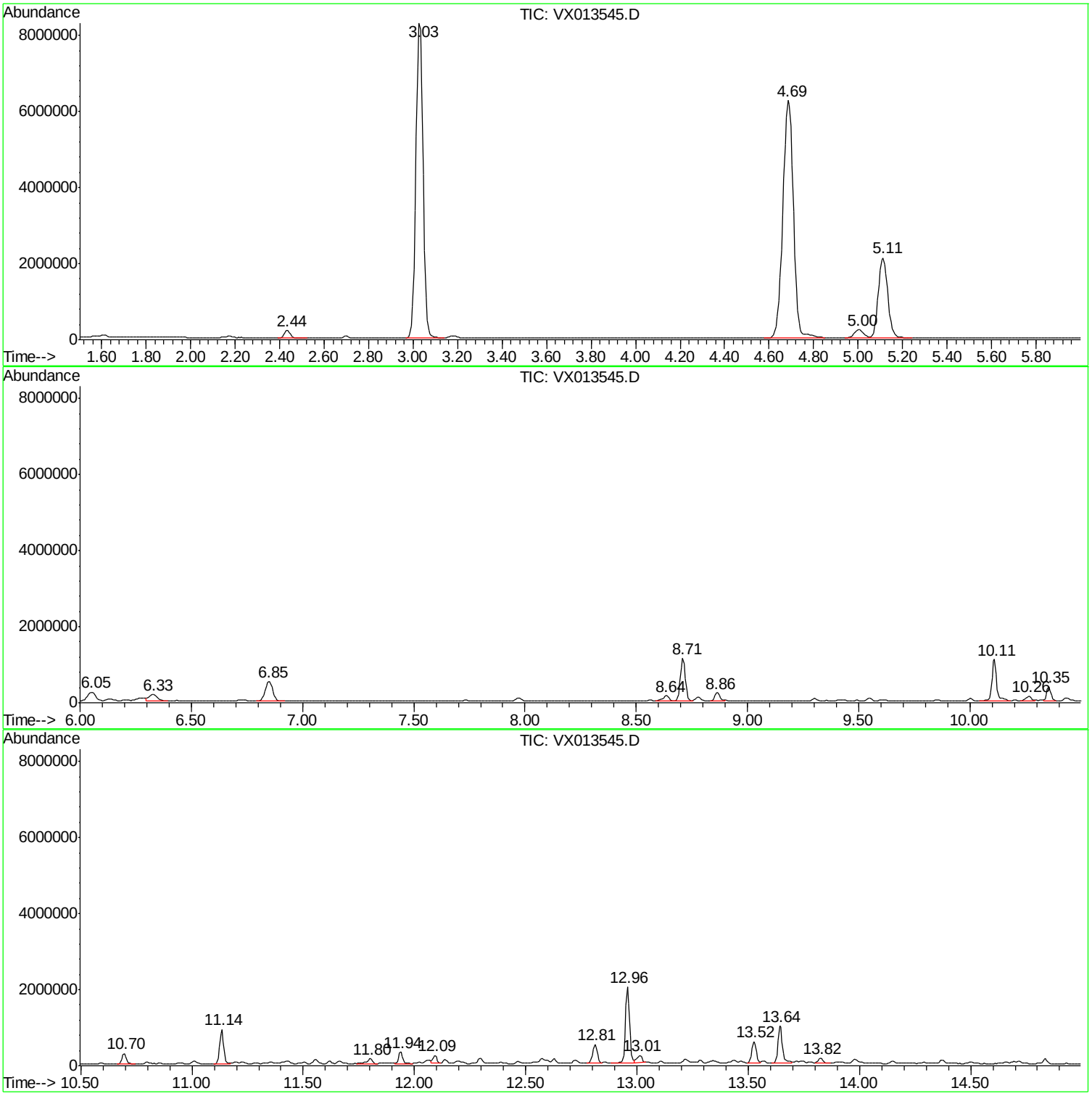
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

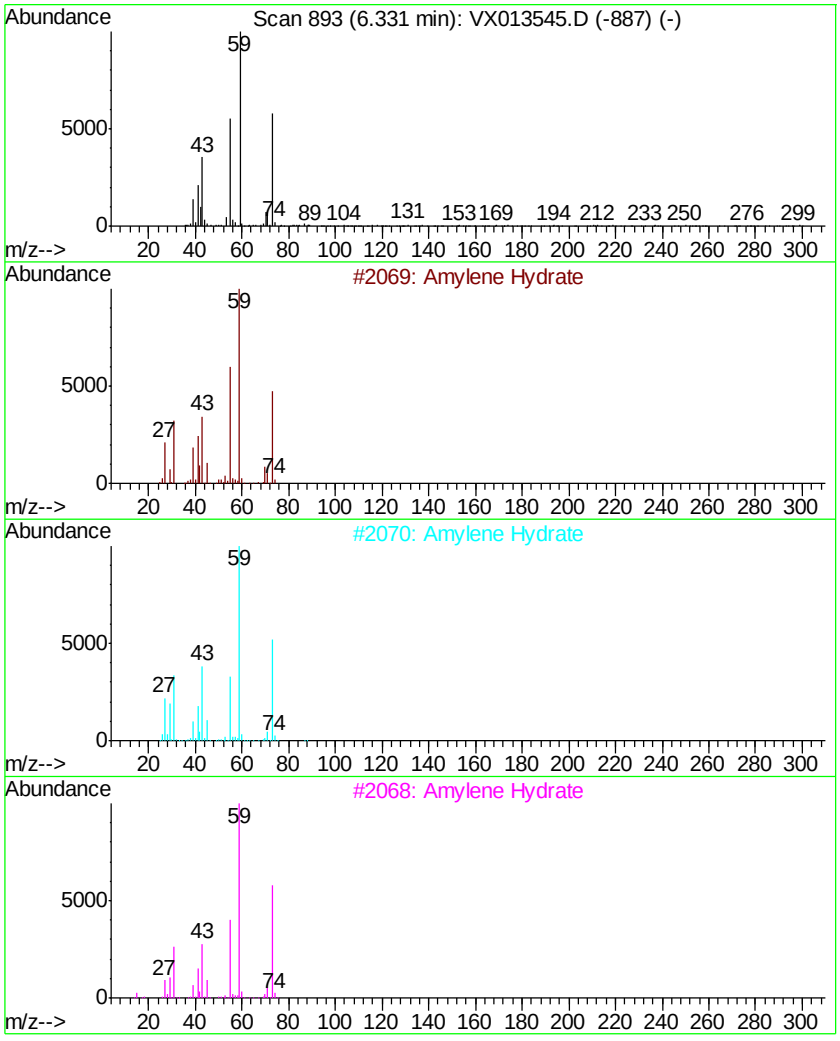
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

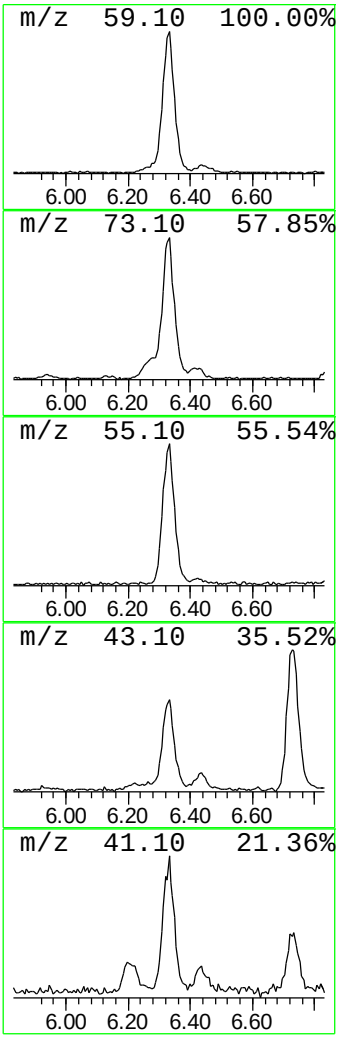
****

Peak Number 2 Amylene Hydrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	11.75 ug/l	470763	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	56
2	Amylene Hydrate	88	C5H12O	000075-85-4	39
3	Amylene Hydrate	88	C5H12O	000075-85-4	38
4	Butanal, oxime	87	C4H9NO	000110-69-0	9
5	1-Butanol, 2-iodo-	200	C4H9IO	127201-28-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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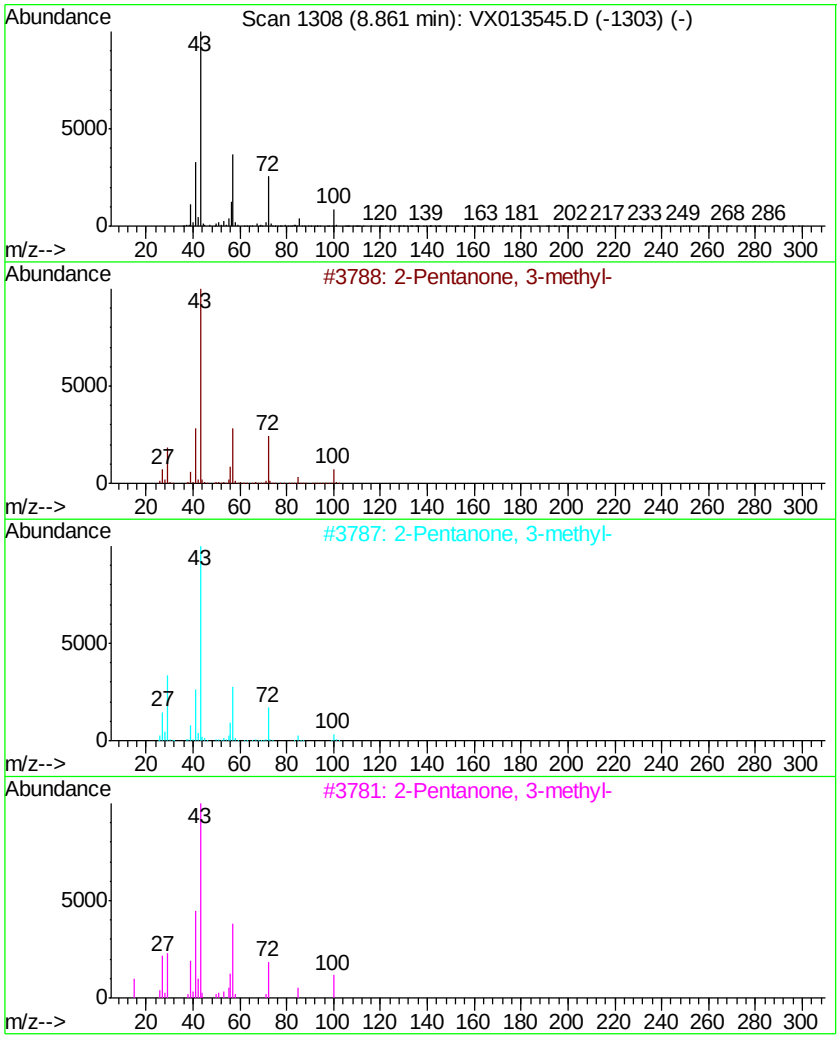
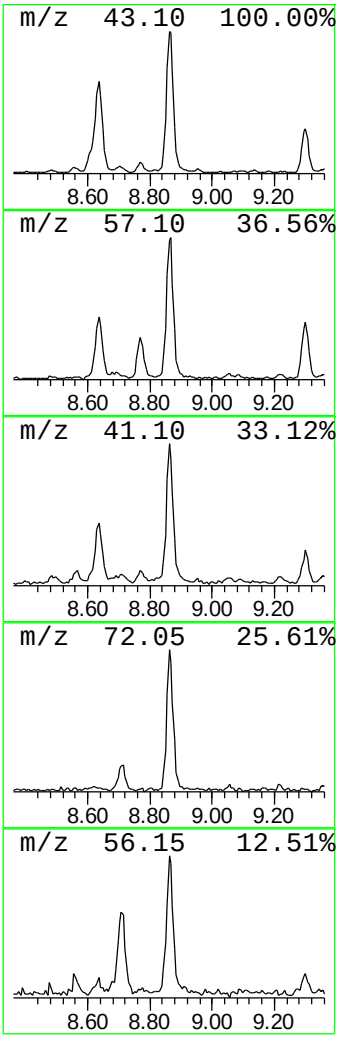
Peak Number 3 2-Pentanone, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	6.08 ug/l	351862	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	91
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	86
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	64
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	59
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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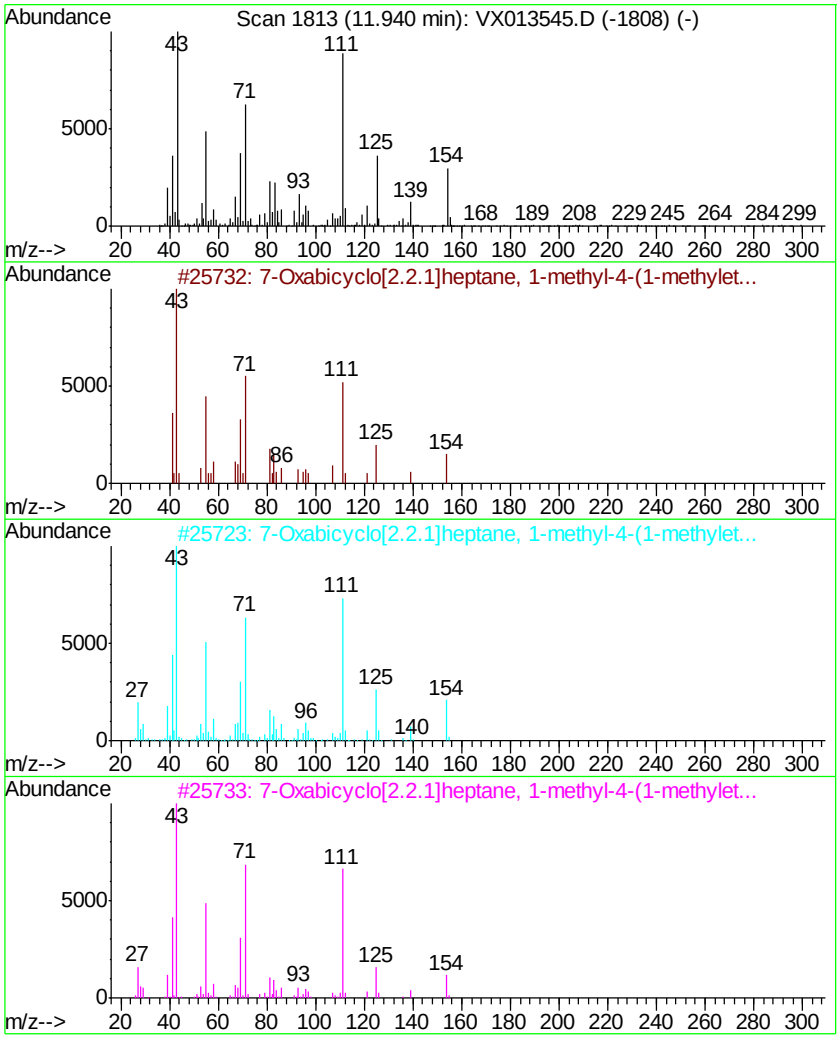
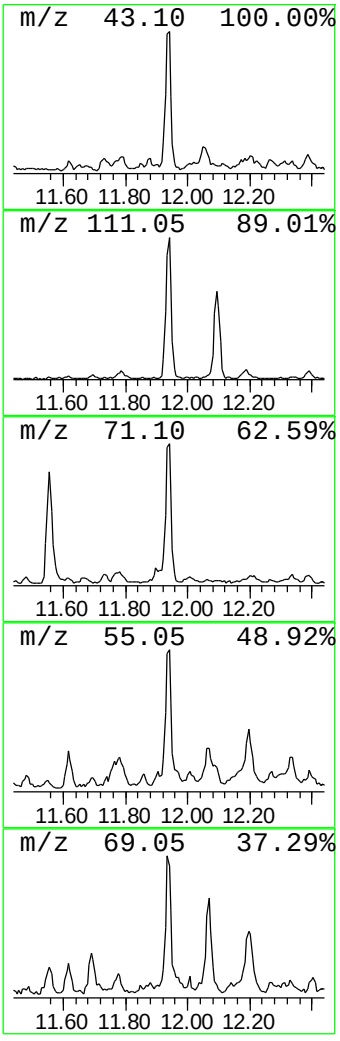
Peak Number 4 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	6.94 ug/l	401642	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	94
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	91
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	64
5	Octahydronaphthalen-4a-ol	154	C10H18O	055693-34-0	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

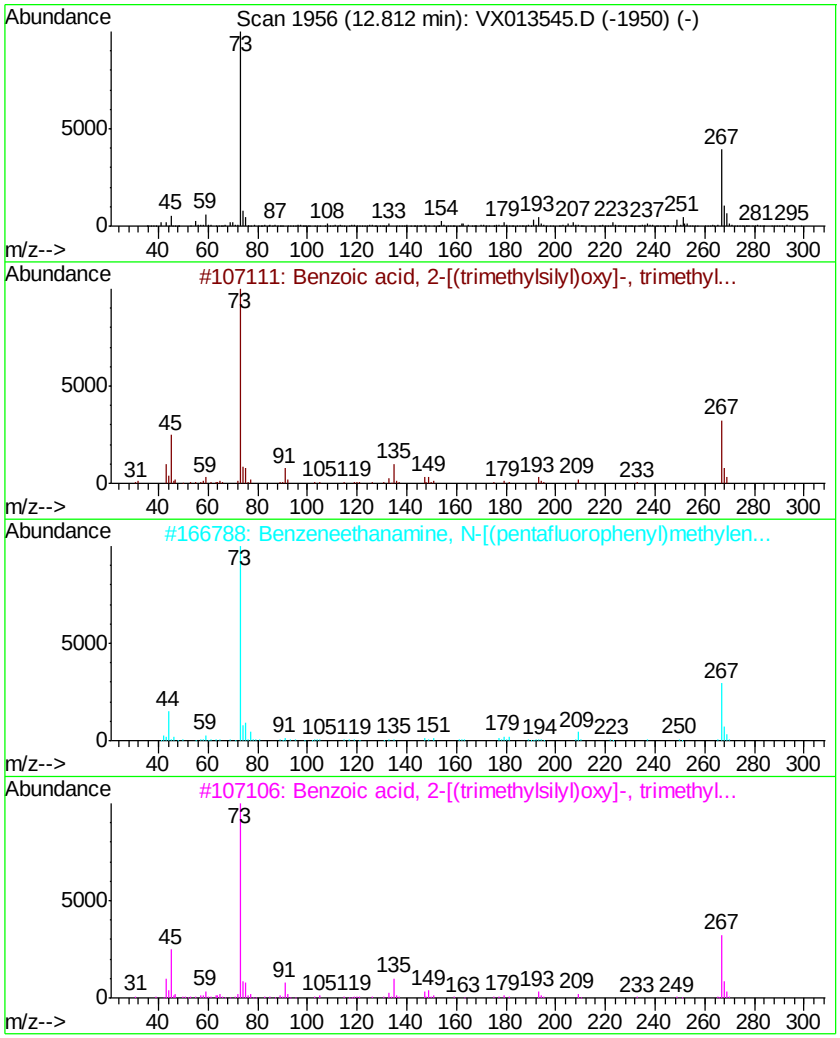
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

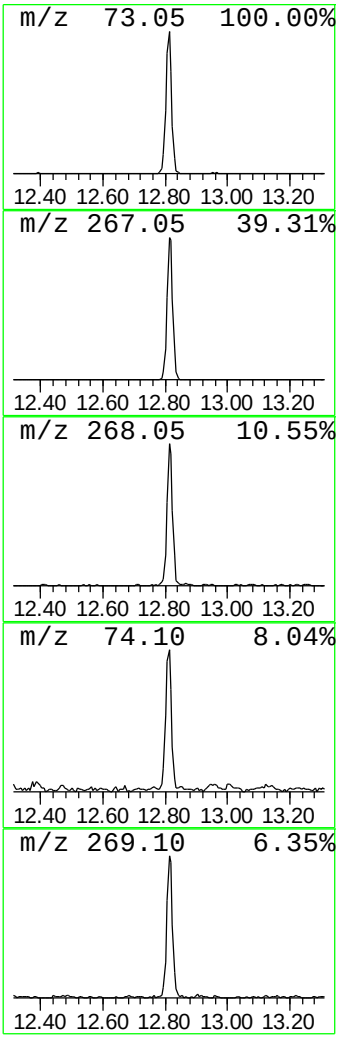
****

Peak Number 5 Benzoic acid, 2-[(trimethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	11.94 ug/l	690694	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	72
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	40
4	1,3,5-Cycloheptatriene, 7-methyl...	254	C17H22Si	1000160-93-0	9
5	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
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Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

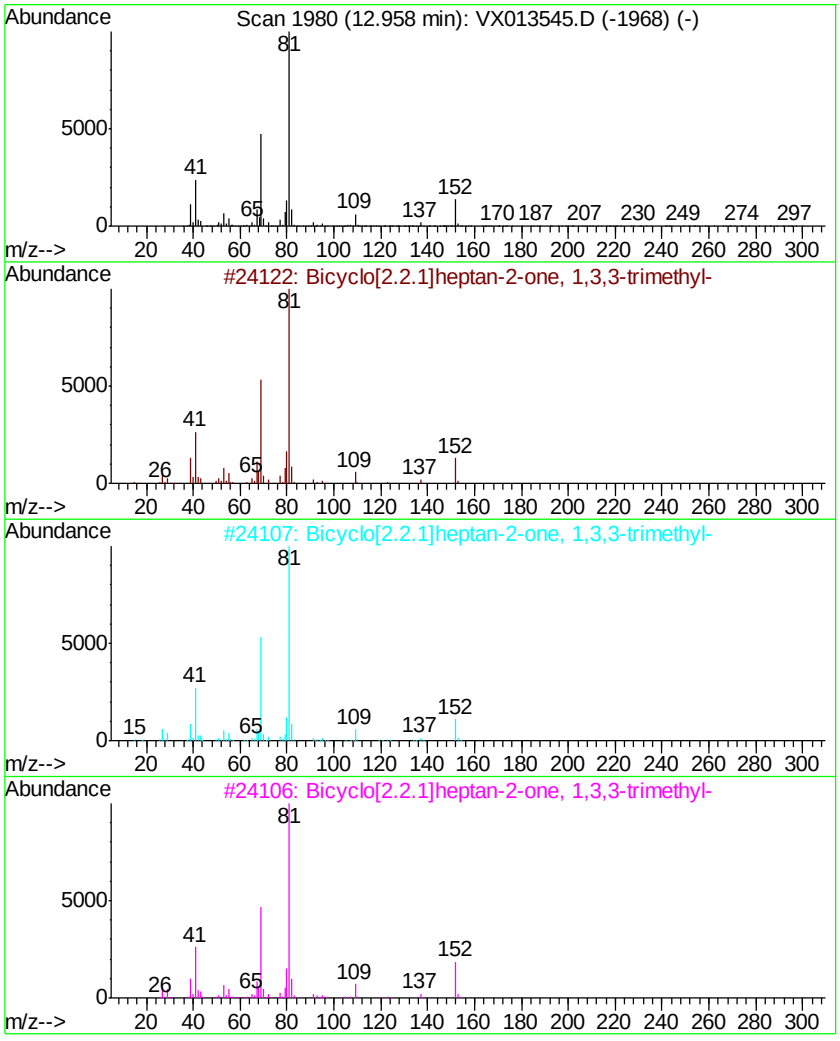
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

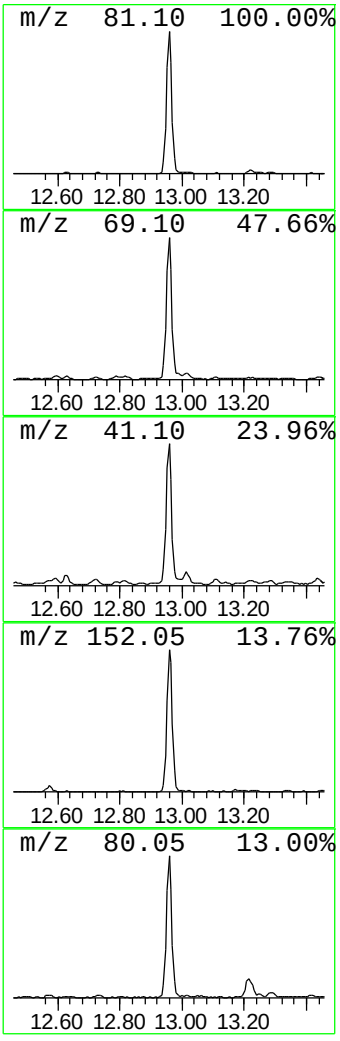
****

Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	46.36 ug/l	2682090	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	95
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	94
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
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Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

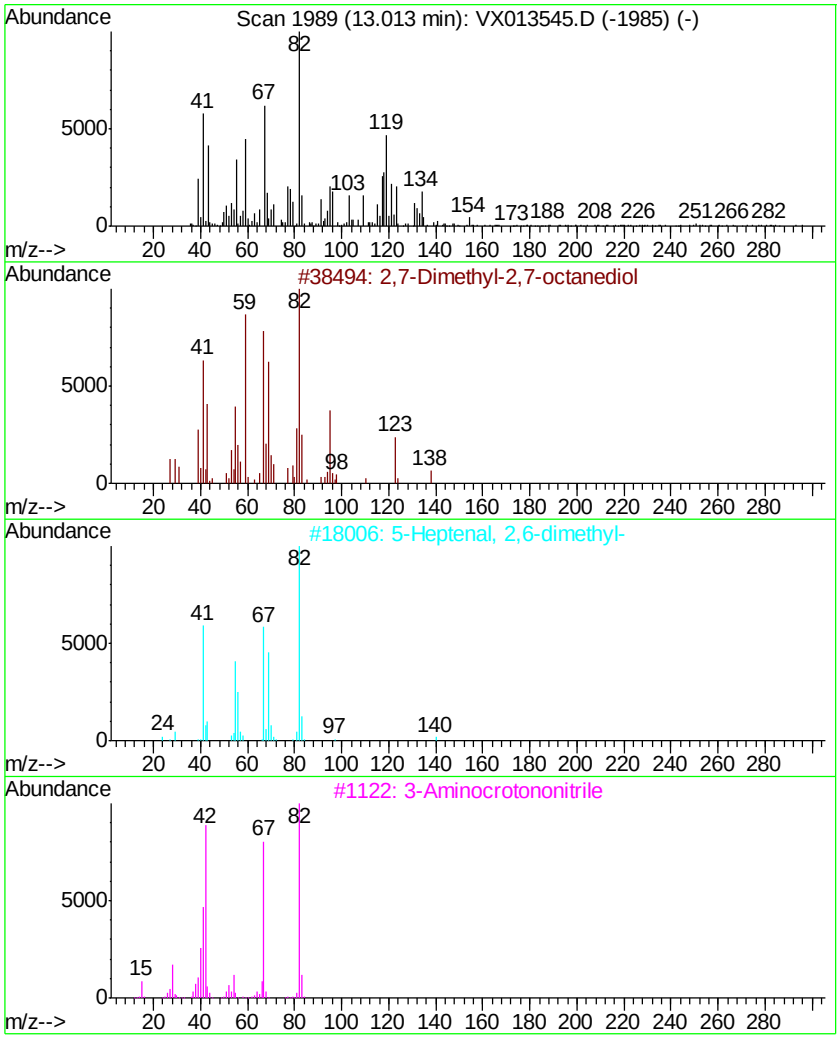
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

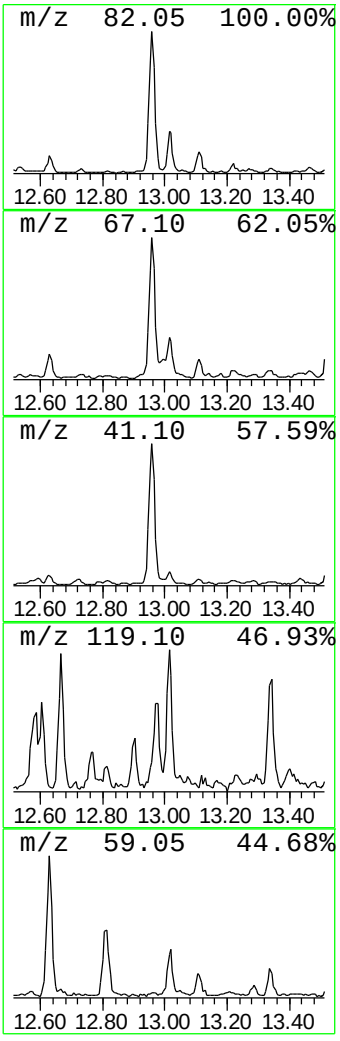
****

Peak Number 7 unknown13.01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.95 ug/l	286479	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyl-2,7-octanediol	174	C10H22O2	019781-07-8	47
2	5-Heptenal, 2,6-dimethyl-	140	C9H16O	000106-72-9	27
3	3-Aminocrotononitrile	82	C4H6N2	001118-61-2	27
4	Chlorocyclohexyldimethylsilane	176	C8H17ClSi	071864-47-6	25
5	1,3-Hexadiene,c&t	82	C6H10	000592-48-3	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

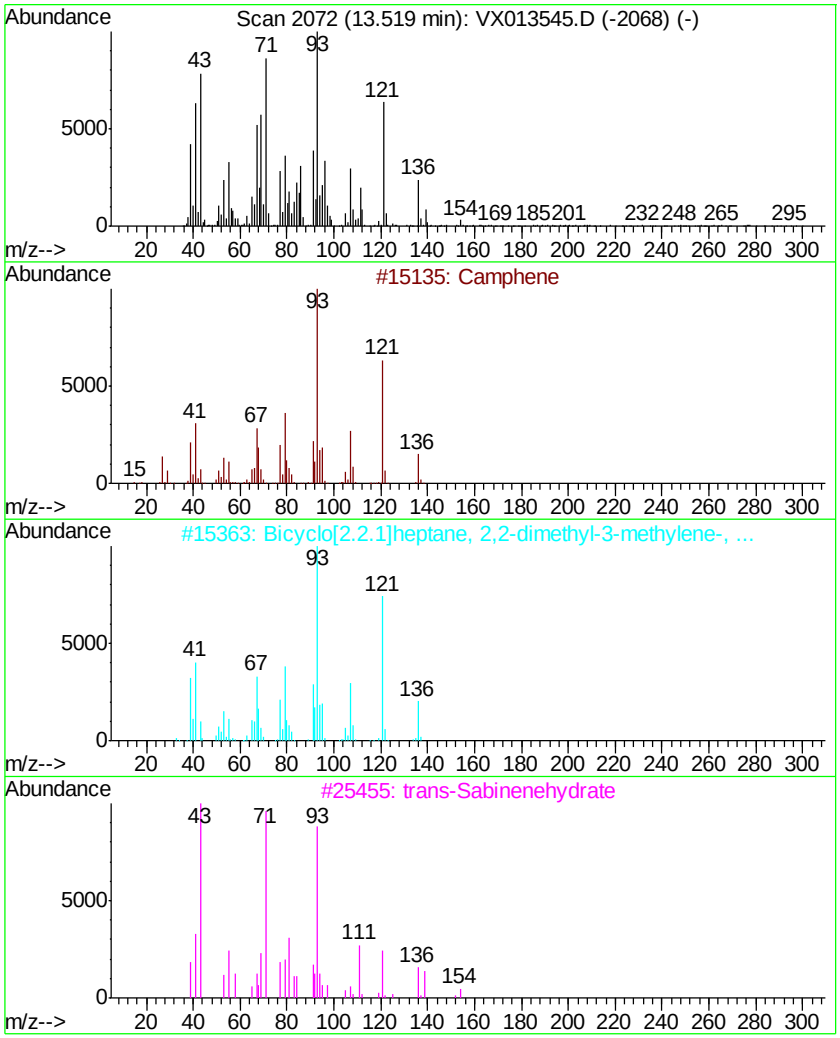
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

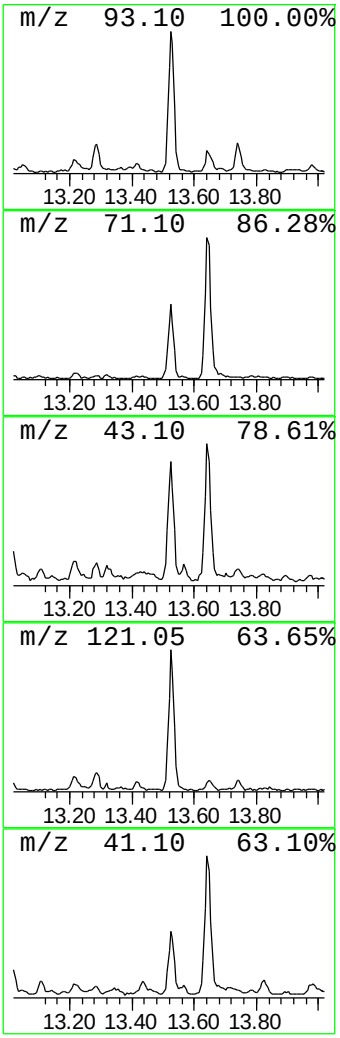
****

Peak Number 8 Camphene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	13.90 ug/l	803987	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	80
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	59
3	trans-Sabinenehydrate	154	C10H18O	1000121-97-3	52
4	Bicyclo[4.1.0]heptane, 7-(1-meth...	136	C10H16	053282-47-6	42
5	Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	41





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ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

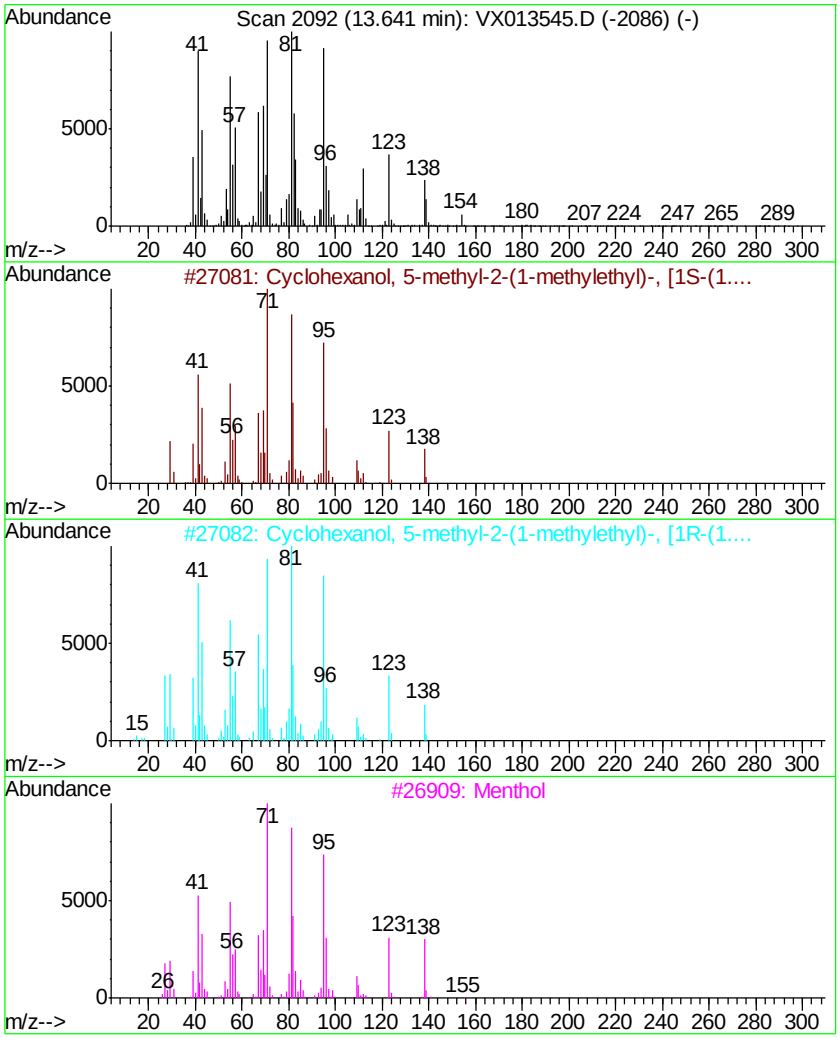
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

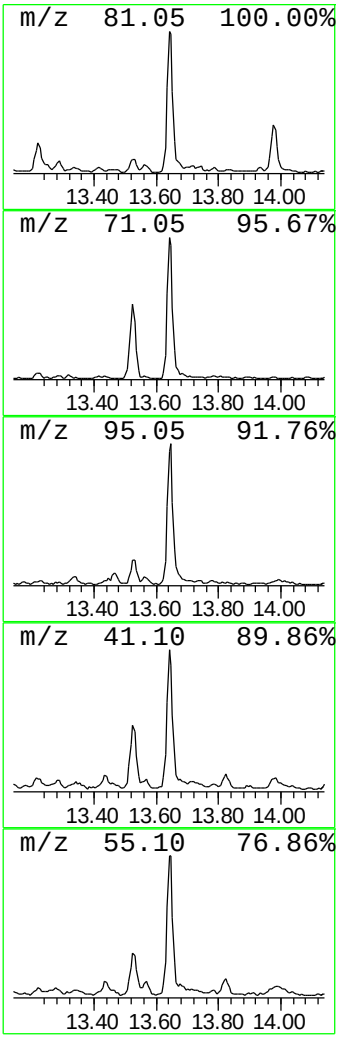
****

Peak Number 9 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	25.25 ug/l	1460600	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	86
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-51-5	83
3	Menthol	156	C10H20O	001490-04-6	80
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	78
5	Menthol	156	C10H20O	001490-04-6	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391120775.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Amylene Hydrate	6.33	11.8	ug/l	470763	2	6.85	1202250	30.0
2-Pentanone, 3-me...	8.86	6.1	ug/l	351862	3	10.11	1735460	30.0
7-Oxabicyclo[2.2....	11.94	6.9	ug/l	401642	3	10.11	1735460	30.0
Benzoic acid, 2-[...	12.81	11.9	ug/l	690694	3	10.11	1735460	30.0
Bicyclo[2.2.1]hep...	12.96	46.4	ug/l	2682090	3	10.11	1735460	30.0
unknown13.01	13.01	5.0	ug/l	286479	3	10.11	1735460	30.0
Camphene	13.52	13.9	ug/l	803987	3	10.11	1735460	30.0
Cyclohexanol, 5-m...	13.64	25.3	ug/l	1460600	3	10.11	1735460	30.0