

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082019\
 Data File : VV012310.D
 Acq On : 20 Aug 2019 14:11
 Operator : SY/MD
 Sample : K4373-14DL 10X
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD2DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.177	2501	2515	2536	rBV	599612	956730	1.06%	0.728%
2	11.212	3133	3148	3162	rBV	936779	1473772	1.63%	1.122%
3	11.572	3245	3260	3280	rBV	6495499	10127578	11.23%	7.711%
4	11.788	3314	3327	3347	rBV	2007140	3053138	3.39%	2.325%
5	12.508	3540	3551	3561	rBV2	1071041	1911681	2.12%	1.456%
6	12.929	3662	3682	3692	rBV2	580785	915446	1.02%	0.697%
7	12.993	3692	3702	3716	rVB	583033	903828	1.00%	0.688%
8	13.100	3722	3735	3755	rVB	703463	1150435	1.28%	0.876%
9	13.575	3855	3883	3896	rBV2	43191166	90174512	100.00%	68.660%
10	13.672	3898	3913	3923	rBV	2621985	3968600	4.40%	3.022%
11	14.681	4215	4227	4252	rVB	7207527	10978498	12.17%	8.359%
12	14.865	4272	4284	4299	rBV	3130410	4773708	5.29%	3.635%
13	16.537	4789	4804	4815	rBV	592103	947119	1.05%	0.721%

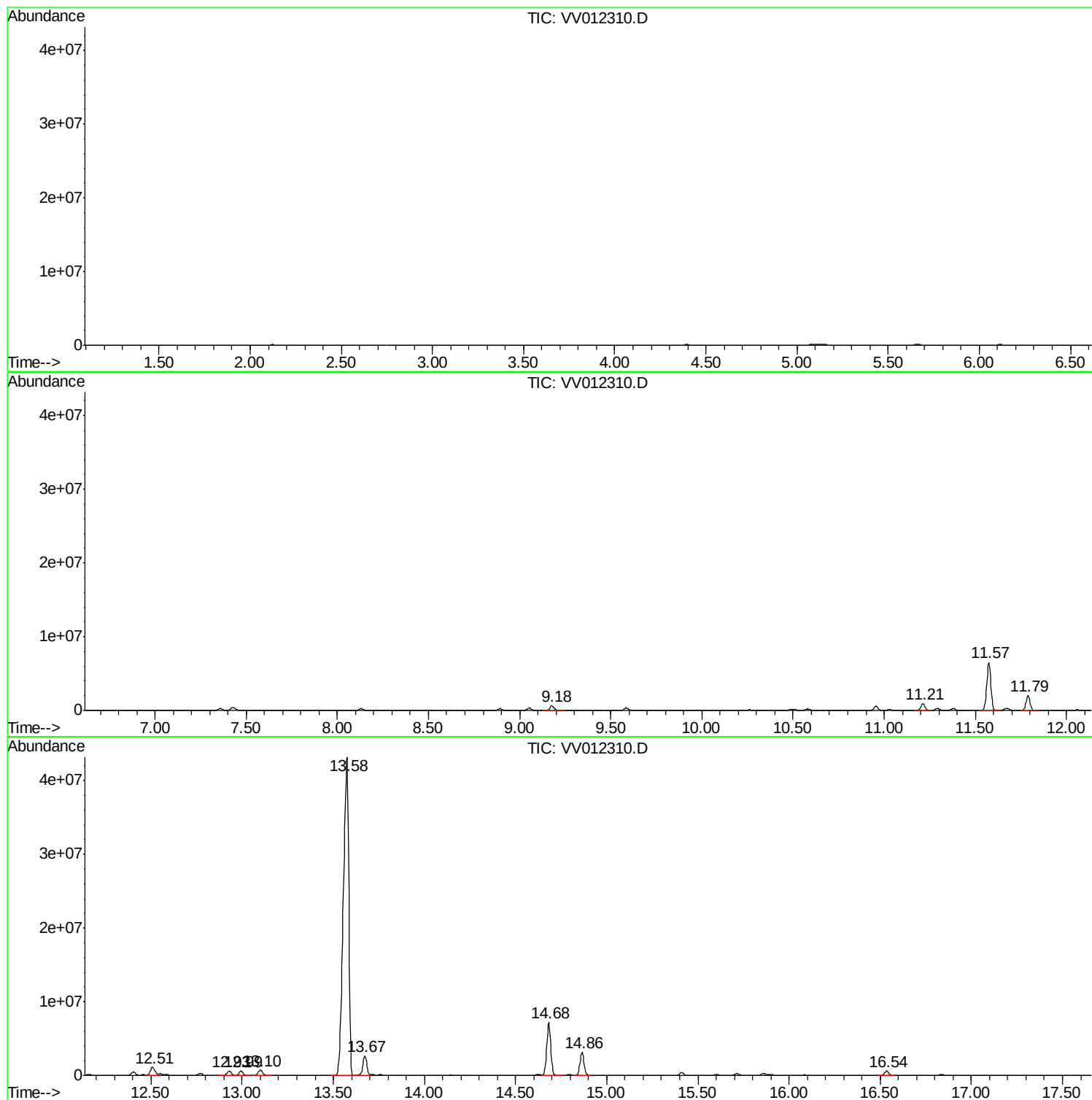
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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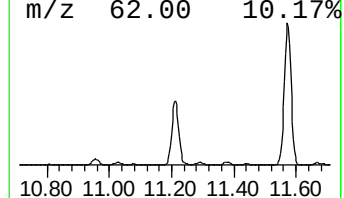
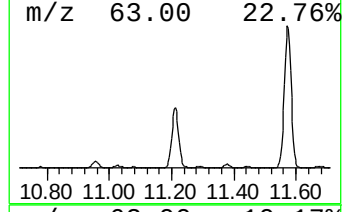
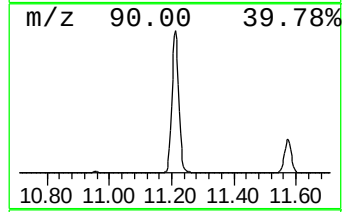
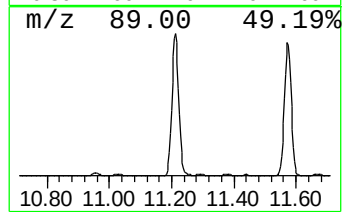
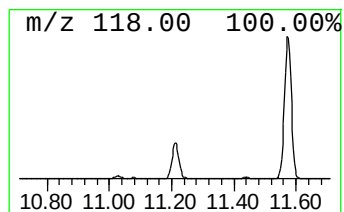
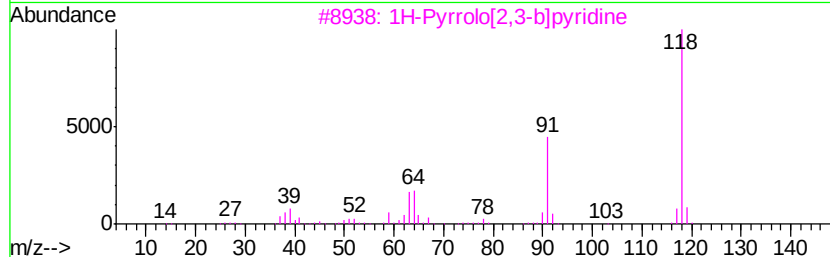
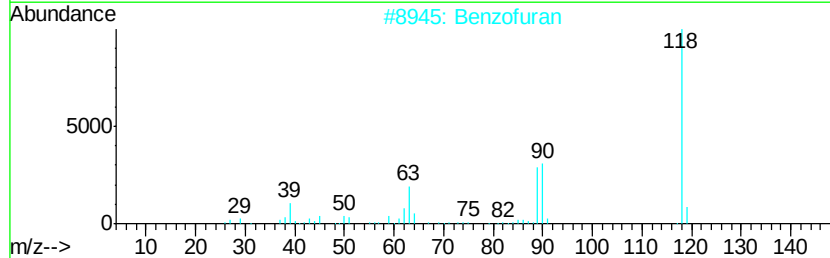
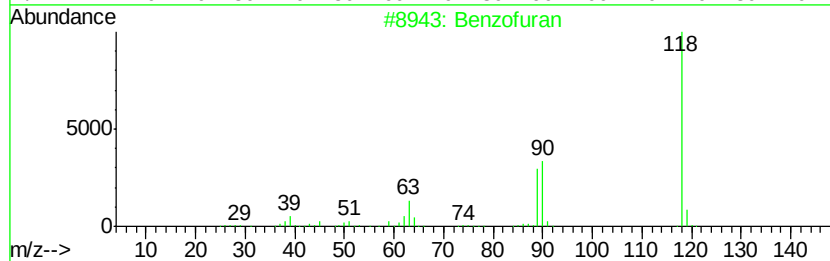
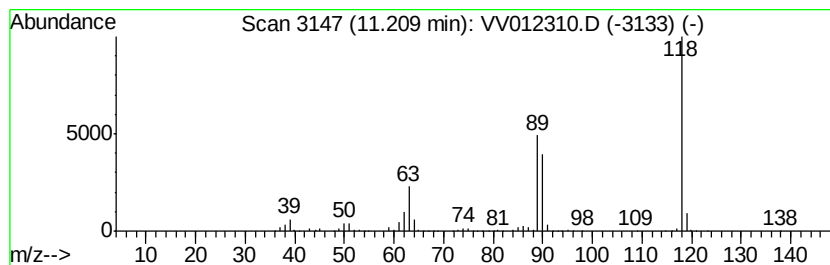
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 Benzofuran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.00 ug/L	1473770	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzofuran	118 C8H6O	000271-89-6 90
2		Benzofuran	118 C8H6O	000271-89-6 90
3		1H-Pyrrolo[2,3-b]pyridine	118 C7H6N2	000271-63-6 50
4		2H-Cyclopenta[d]pyridazine	118 C7H6N2	000270-64-4 50
5		3-Pyridineacetonitrile	118 C7H6N2	006443-85-2 40



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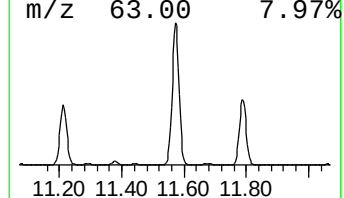
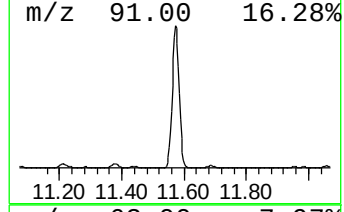
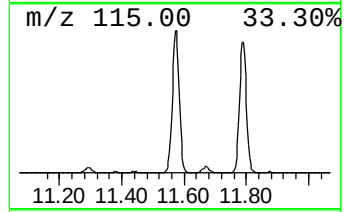
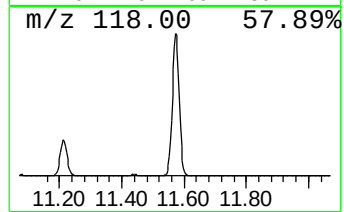
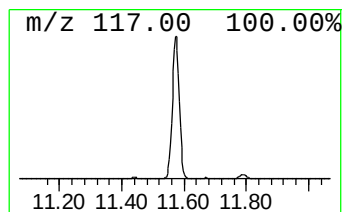
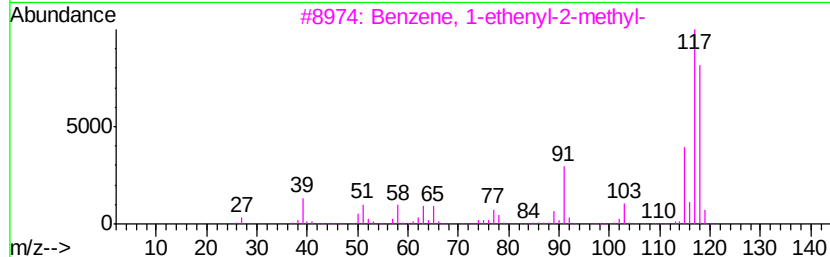
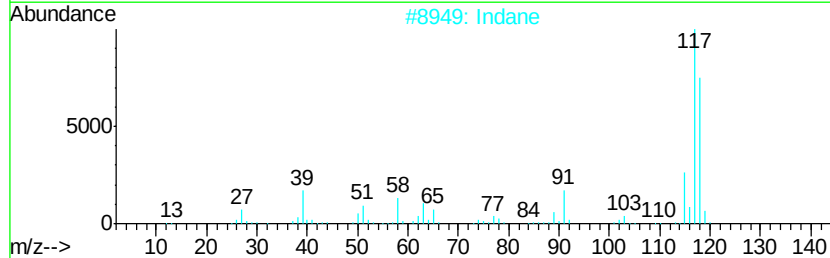
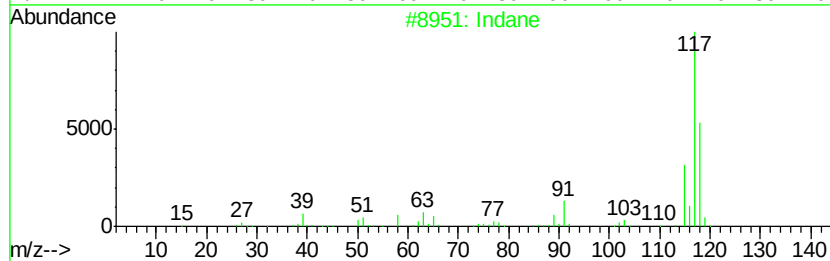
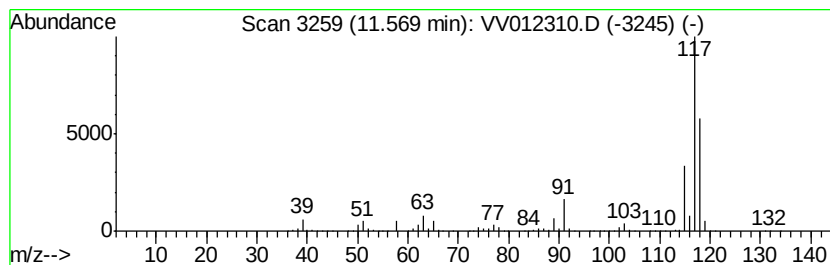
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	34.36 ug/L	10127600	1,4-Dichlorobenzene-d4	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Indane		118	C9H10	000496-11-7	91
3	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	87
4	Indane		118	C9H10	000496-11-7	87
5	Benzene, 2-propenyl-		118	C9H10	000300-57-2	83



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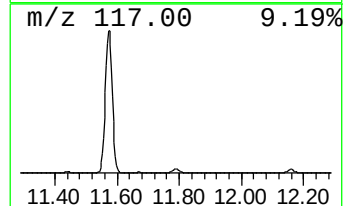
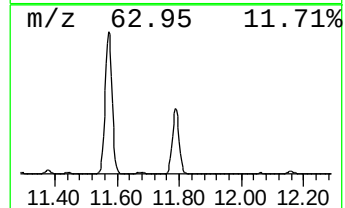
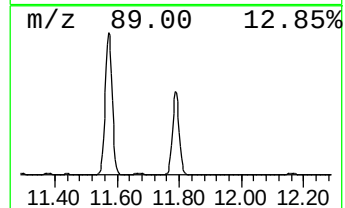
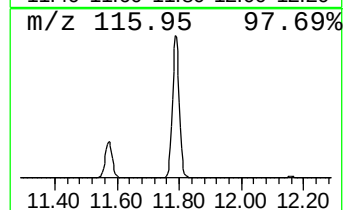
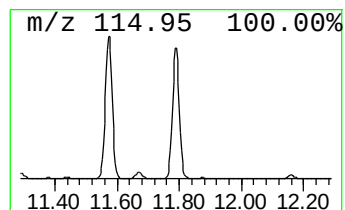
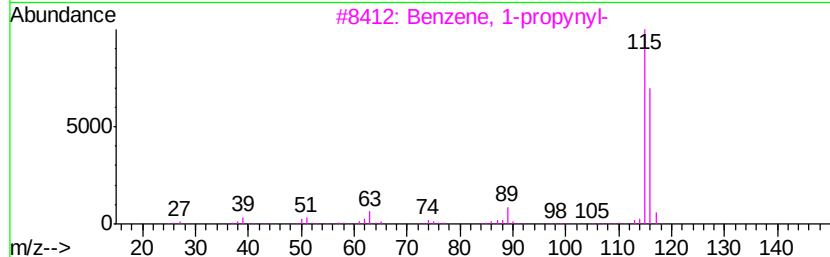
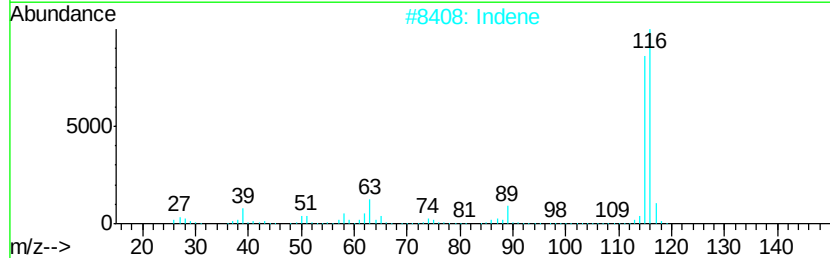
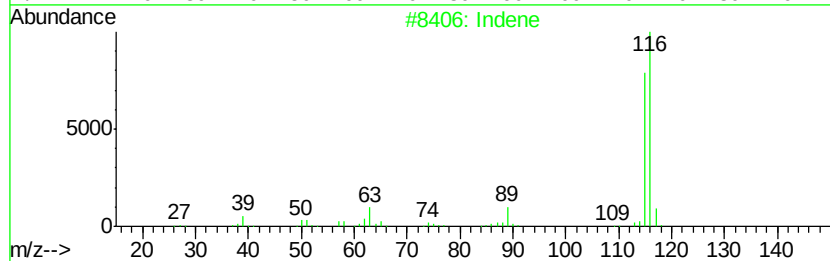
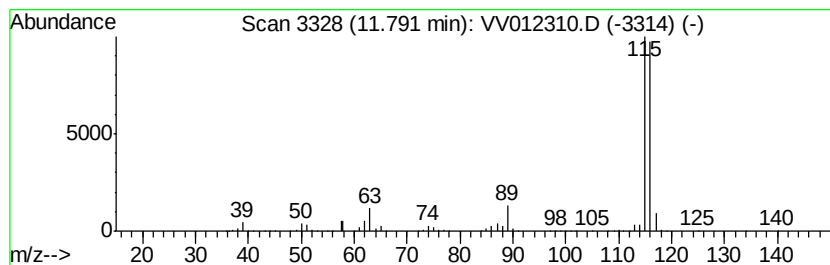
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.36 ug/L	3053140	1,4-Dichlorobenzene-d4	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Indene		116	C9H8	000095-13-6	96
3	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
4	Indene		116	C9H8	000095-13-6	94
5	3-Methylphenylacetylene		116	C9H8	000766-82-5	91



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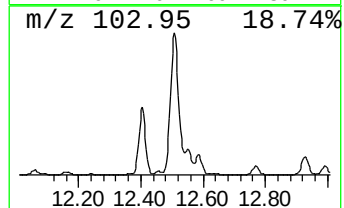
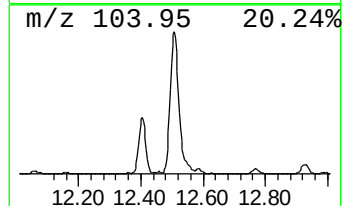
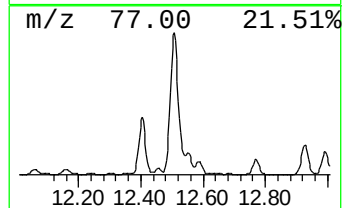
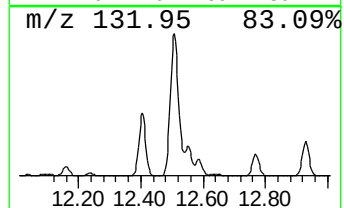
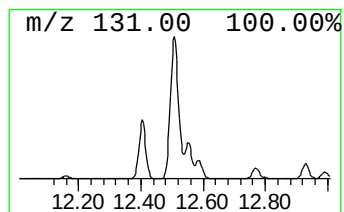
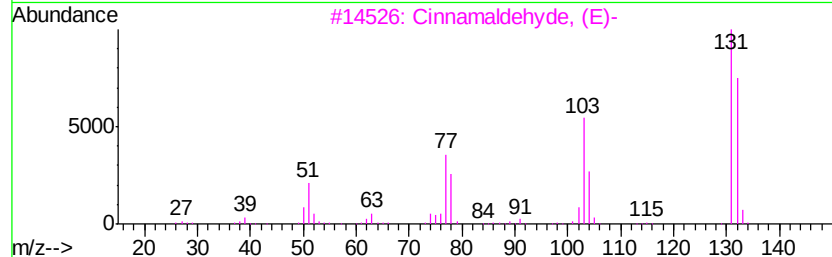
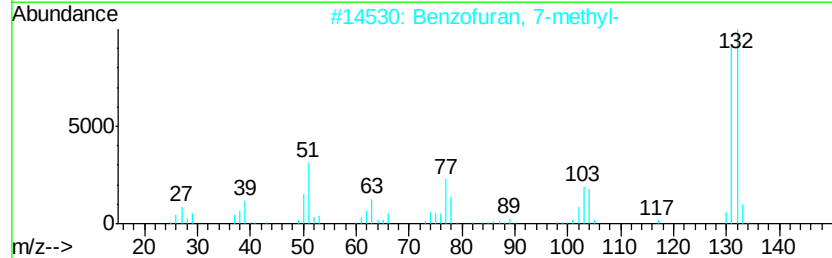
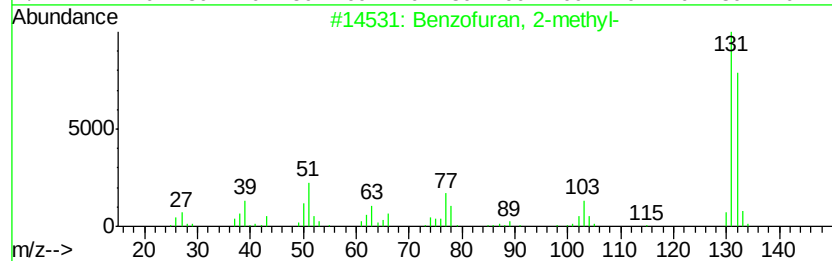
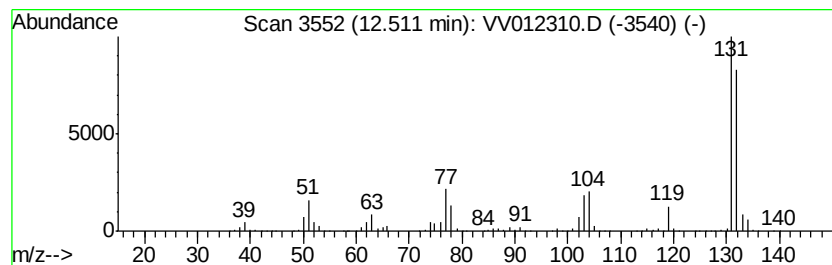
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Peak Number 4 Benzofuran, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.51	6.49 ug/L	1911680	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87



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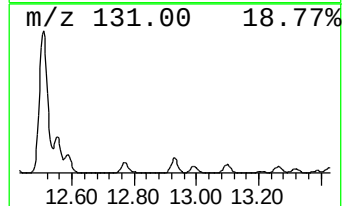
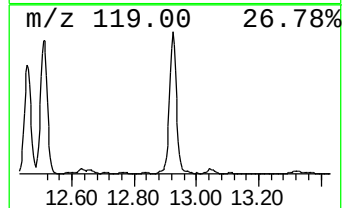
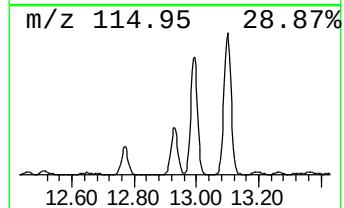
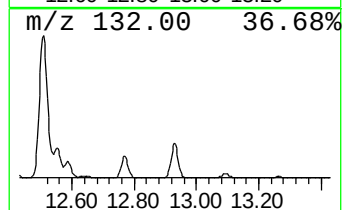
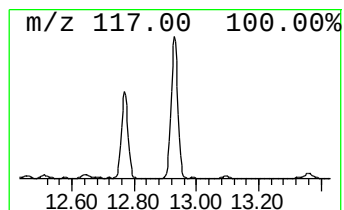
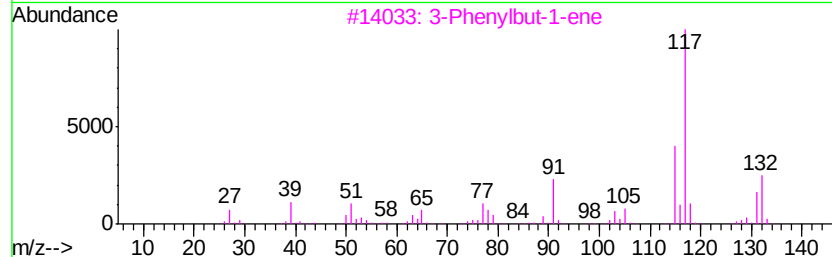
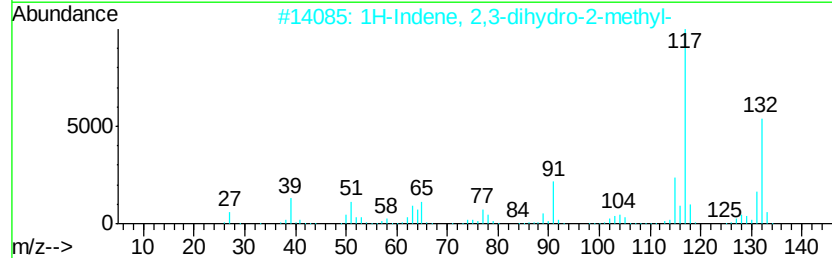
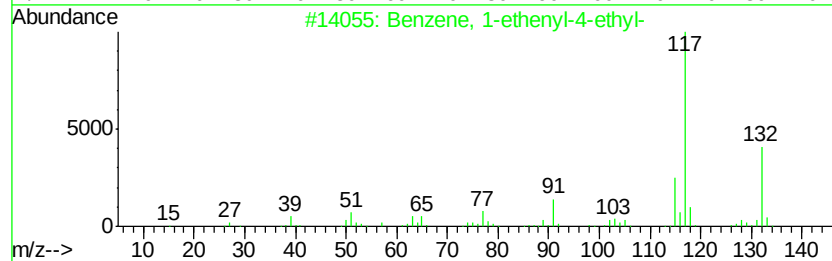
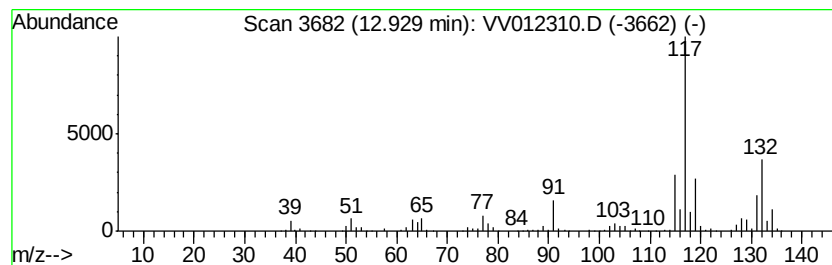
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Peak Number 5 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.93	3.11 ug/L	915446	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81



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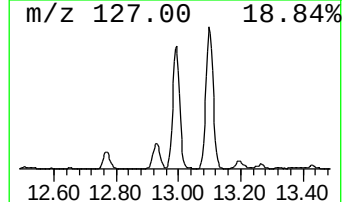
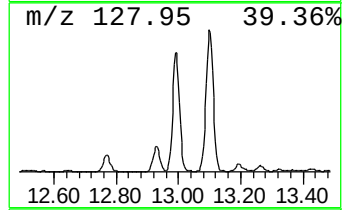
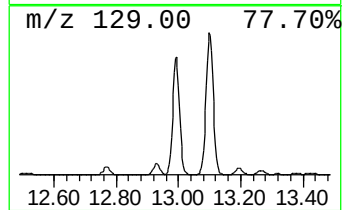
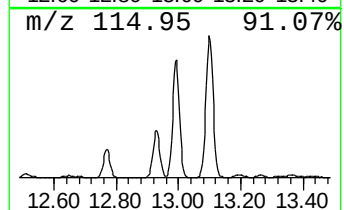
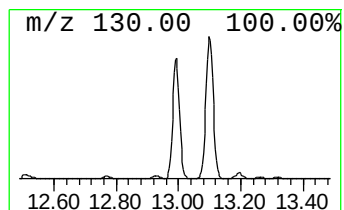
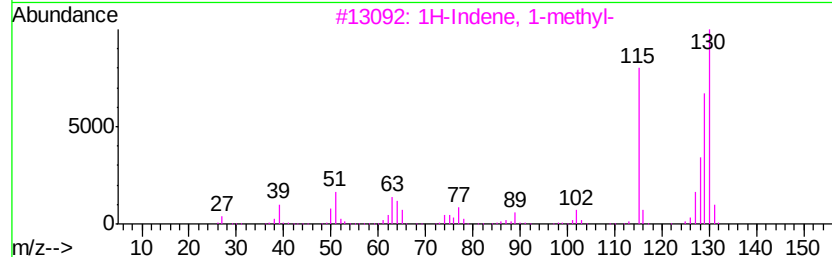
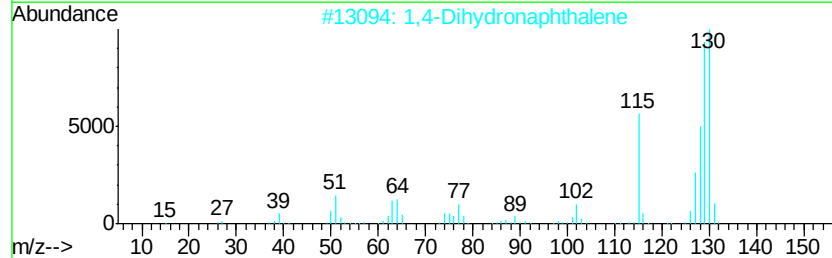
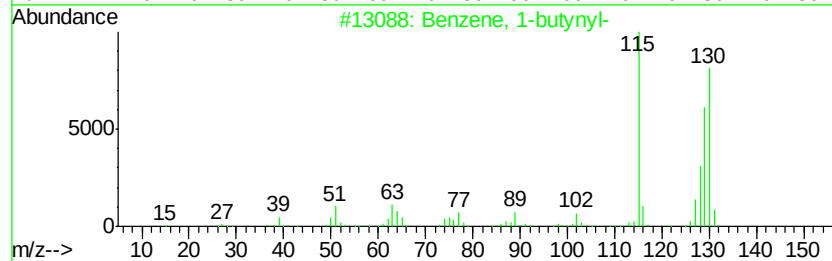
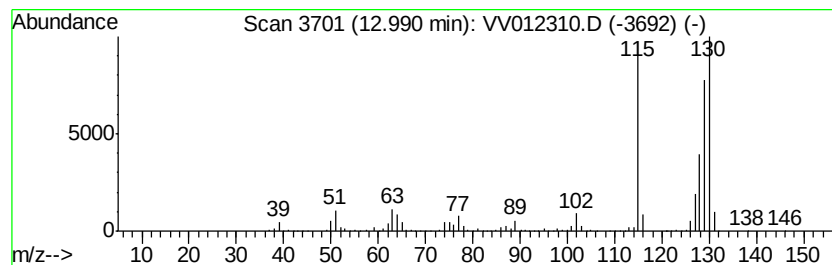
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Peak Number 6 Benzene, 1-butynyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	3.07 ug/L	903828	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082019\
Data File : VV012310.D
Acq On : 20 Aug 2019 14:11
Operator : SY/MD
Sample : K4373-14DL 10X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD2DL

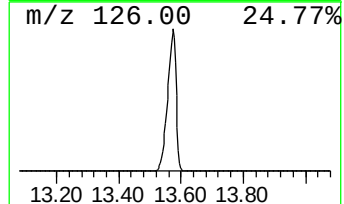
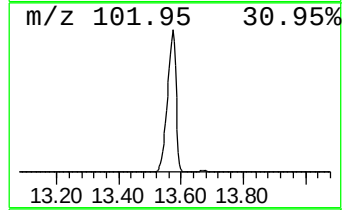
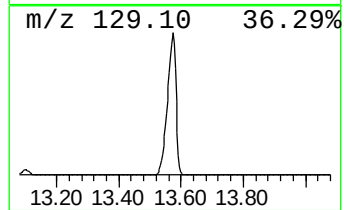
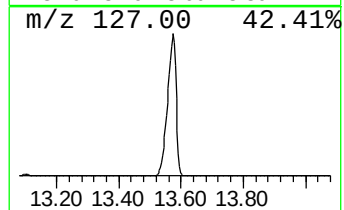
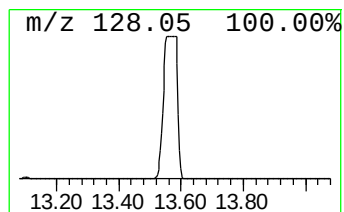
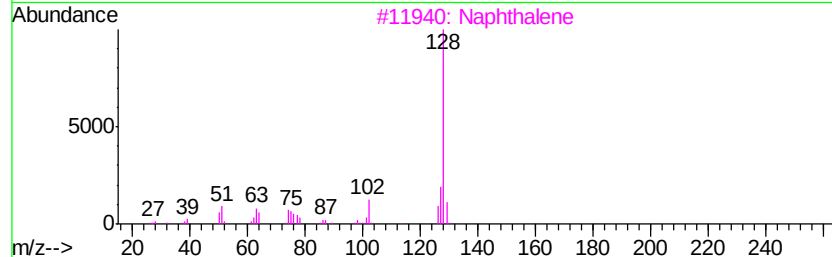
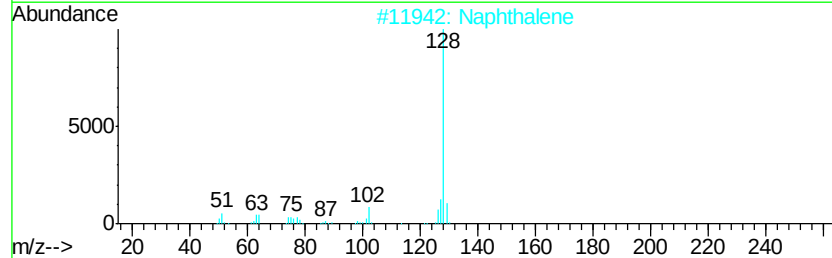
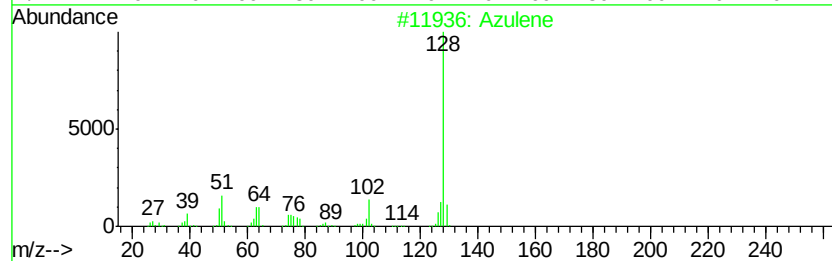
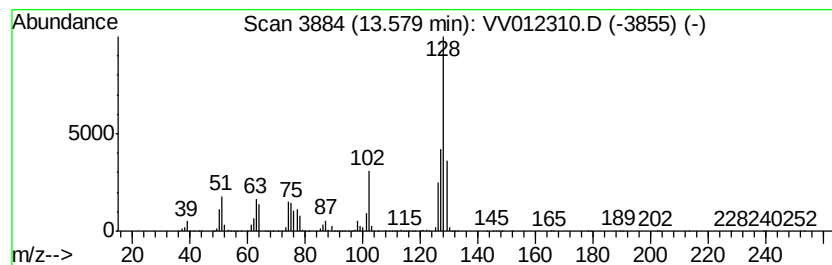
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	305.93 ug/L	90174500	1,4-Dichlorobenzene-d4	11.29

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	91
2	Naphthalene	128	C10H8	000091-20-3	83
3	Naphthalene	128	C10H8	000091-20-3	78
4	Azulene	128	C10H8	000275-51-4	70
5	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082019\
Data File : VV012310.D
Acq On : 20 Aug 2019 14:11
Operator : SY/MD
Sample : K4373-14DL 10X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

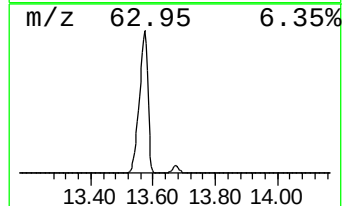
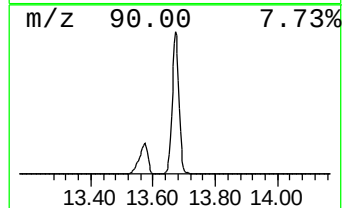
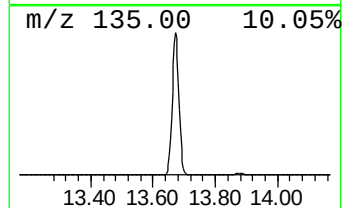
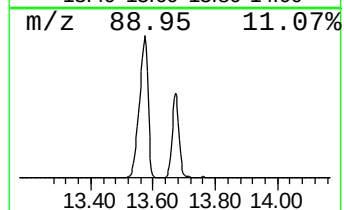
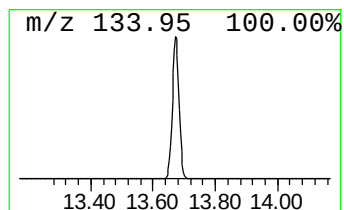
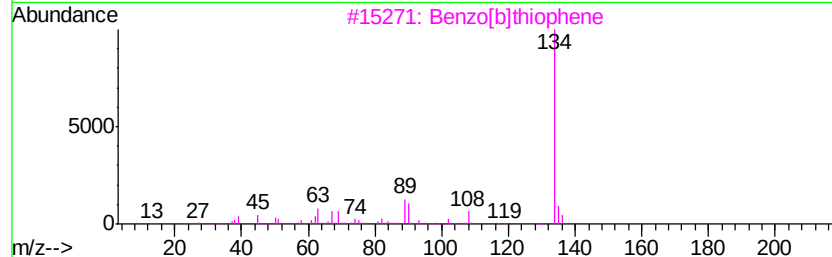
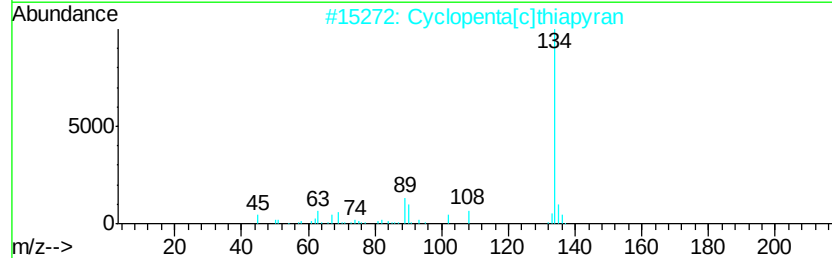
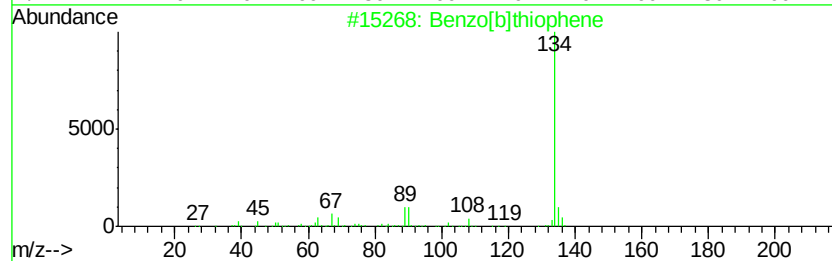
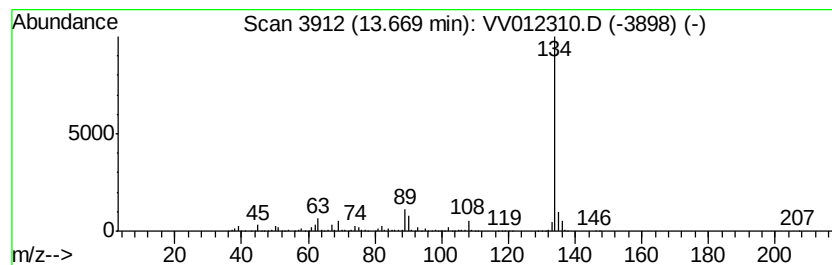
Instrument :
MSVOA_V
ClientSampleId :
C0AD2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 Benzo[b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.67	13.46 ug/L	3968600	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082019\
Data File : VV012310.D
Acq On : 20 Aug 2019 14:11
Operator : SY/MD
Sample : K4373-14DL 10X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

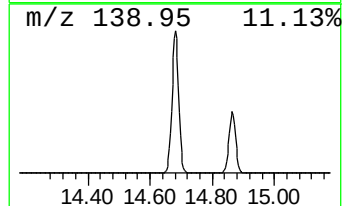
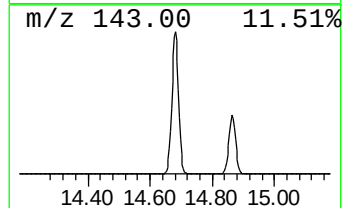
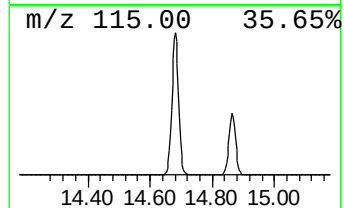
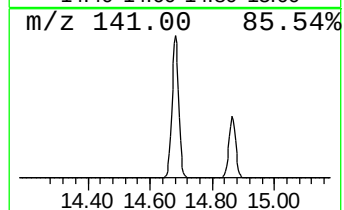
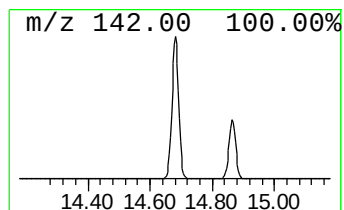
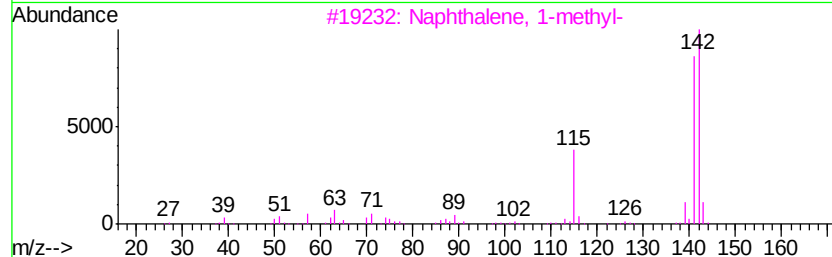
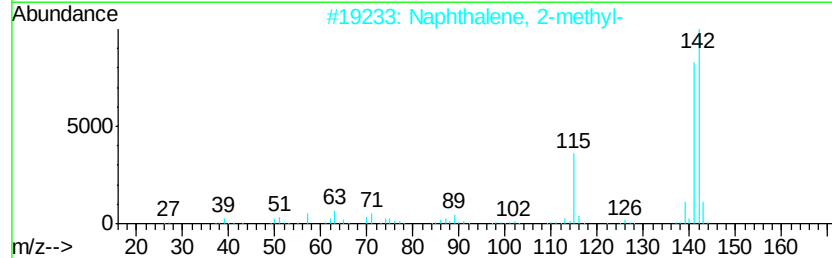
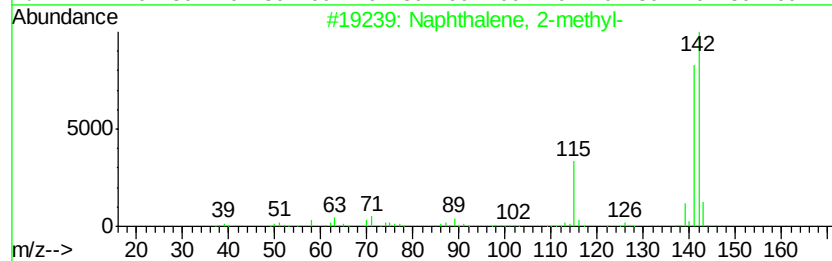
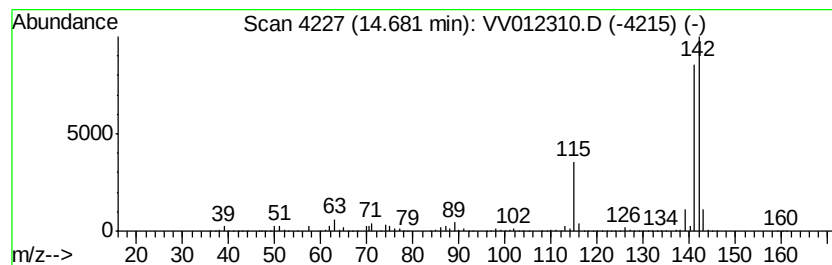
Instrument :
MSVOA_V
ClientSampleId :
C0AD2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	37.25 ug/L	10978500	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
3		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
4		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 94
5		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012310.D
Acq On : 20 Aug 2019 14:11
Operator : SY/MD
Sample : K4373-14DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzofuran	11.21	5.0	ug/L	1473770	3	11.29	1473770	5.0
Indane	11.57	34.4	ug/L	10127600	3	11.29	1473770	5.0
Indene	11.79	10.4	ug/L	3053140	3	11.29	1473770	5.0
Benzofuran, 2-met...	12.51	6.5	ug/L	1911680	3	11.29	1473770	5.0
Benzene, 1-etheny...	12.93	3.1	ug/L	915446	3	11.29	1473770	5.0
Benzene, 1-butylnyl-	12.99	3.1	ug/L	903828	3	11.29	1473770	5.0
Azulene	13.58	305.9	ug/L	90174500	3	11.29	1473770	5.0
Benzo[b]thiophene	13.67	13.5	ug/L	3968600	3	11.29	1473770	5.0
Naphthalene, 1-me...	14.68	37.3	ug/L	10978500	3	11.29	1473770	5.0