

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012296.D
 Acq On : 20 Aug 2019 00:04
 Operator : SY/MD
 Sample : K4373-15
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD4

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	5.093	1226	1245	1253	rBV2	351538	838559	2.11%	0.728%
2	5.145	1254	1261	1280	rVB	303433	605661	1.53%	0.526%
3	5.663	1407	1422	1447	rBV	281630	558961	1.41%	0.485%
4	6.116	1542	1563	1595	rBV	200466	424338	1.07%	0.368%
5	7.357	1936	1949	1963	rBV	454477	780694	1.97%	0.677%
6	8.135	2176	2191	2223	rBV	411228	785254	1.98%	0.681%
7	8.894	2415	2427	2441	rBV	421158	690288	1.74%	0.599%
8	10.955	3053	3068	3083	rVB	307868	471560	1.19%	0.409%
9	11.293	3162	3173	3189	rVB	502797	792492	2.00%	0.688%
10	11.572	3246	3260	3280	rBV	4788339	7418612	18.71%	6.437%
11	11.669	3280	3290	3307	rVB2	522920	887599	2.24%	0.770%
12	11.788	3317	3327	3341	rVB	621685	955861	2.41%	0.829%
13	12.157	3431	3442	3464	rBV	1116186	1797669	4.53%	1.560%
14	12.405	3510	3519	3527	rBV	354596	528775	1.33%	0.459%
15	12.508	3542	3551	3570	rVB	674344	1214726	3.06%	1.054%
16	12.929	3661	3682	3691	rBV2	440780	762861	1.92%	0.662%
17	12.990	3691	3701	3713	rVB2	449797	711231	1.79%	0.617%
18	13.096	3723	3734	3754	rVB2	572852	984335	2.48%	0.854%
19	13.553	3862	3876	3896	rVB2	24194405	39659576	100.00%	34.412%
20	13.669	3897	3912	3921	rBV	1272842	2044491	5.16%	1.774%
21	14.624	4195	4209	4216	rBV	454595	761557	1.92%	0.661%
22	14.678	4216	4226	4238	rVV	3116913	4745359	11.97%	4.118%
23	14.865	4271	4284	4298	rBV	8991809	13935440	35.14%	12.092%
24	15.411	4432	4454	4464	rBV	867077	1436778	3.62%	1.247%
25	15.601	4495	4513	4518	rBV2	374770	655383	1.65%	0.569%
26	15.633	4518	4523	4536	rVV2	368589	576655	1.45%	0.500%
27	15.714	4537	4548	4572	rVB	1215721	2306120	5.81%	2.001%
28	15.858	4583	4593	4601	rBV	2634611	4028872	10.16%	3.496%
29	15.897	4601	4605	4621	rVB	565385	774382	1.95%	0.672%
30	16.061	4644	4656	4657	rBV2	491029	584062	1.47%	0.507%
31	16.083	4658	4663	4674	rVB	802308	1331829	3.36%	1.156%
32	16.231	4697	4709	4720	rBV	528400	819470	2.07%	0.711%
33	16.328	4728	4739	4754	rVB3	372396	793769	2.00%	0.689%
34	16.537	4782	4804	4827	rBV	7415134	12276777	30.96%	10.652%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : TRACE VOA SOM01.0

35	16.714	4851	4859	4870	rBV2	351002	600450	1.51%	0.521%
36	16.832	4884	4896	4917	rVB	2594893	4293582	10.83%	3.726%
37	17.443	5074	5086	5105	rBV2	1036366	1856390	4.68%	1.611%
38	17.562	5106	5123	5132	rBV5	264918	557559	1.41%	0.484%

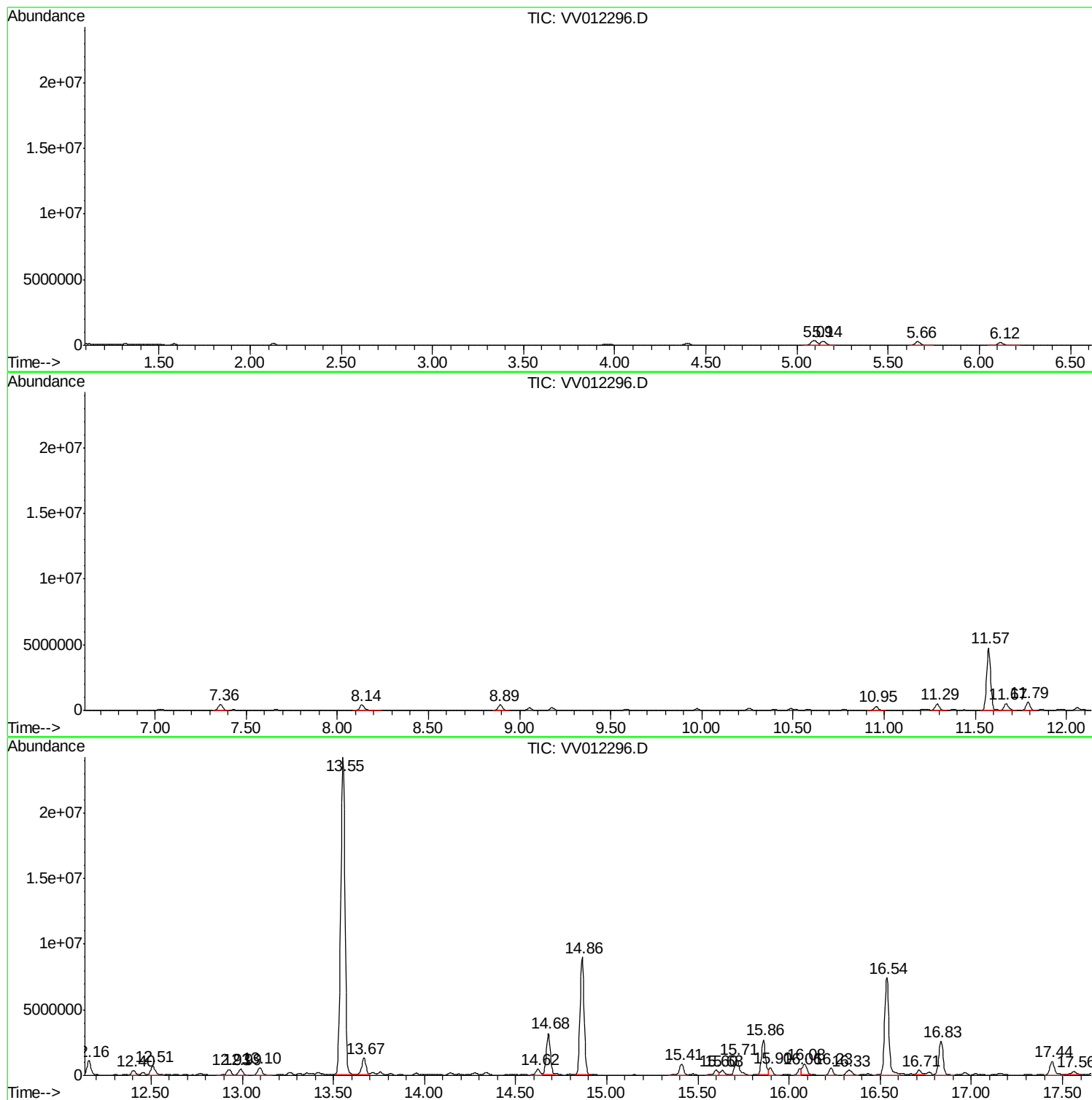
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Quant Title : TRACE VOA SOM01.0

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



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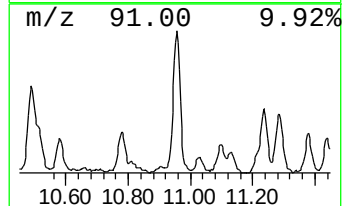
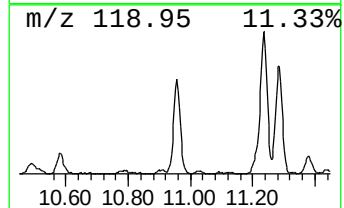
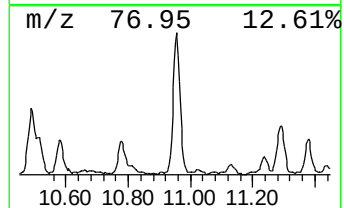
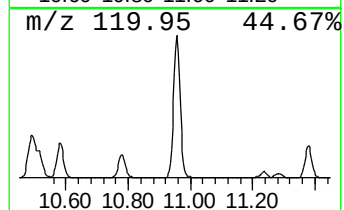
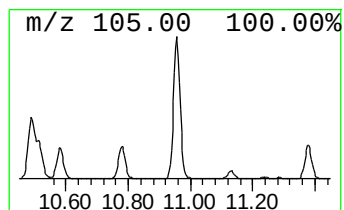
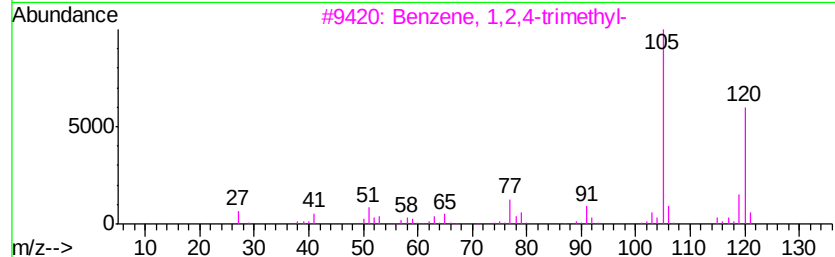
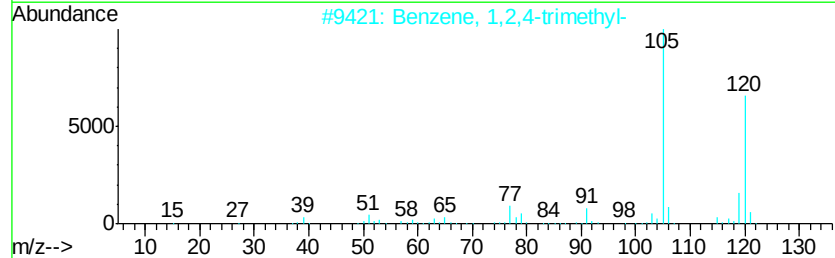
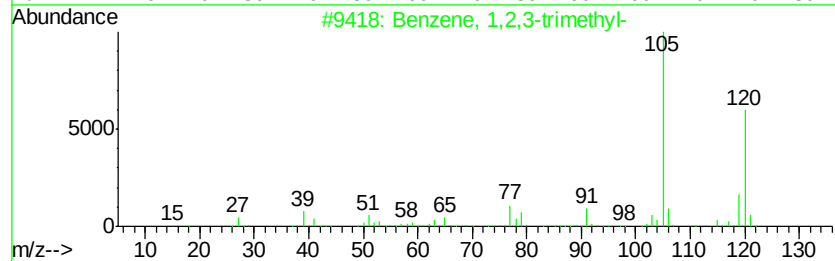
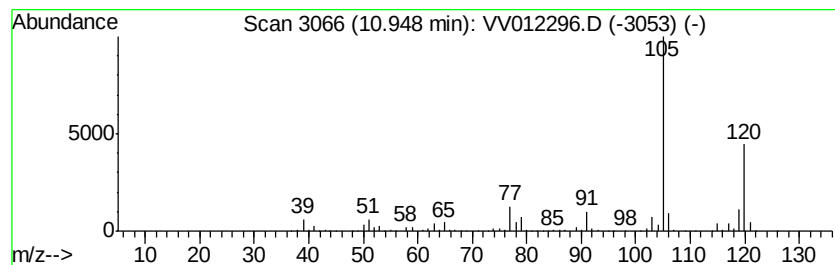
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.98 ug/L	471560	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4			Mesitylene	120	C9H12	000108-67-8	94
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94



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Instrument :
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ClientSampleId :
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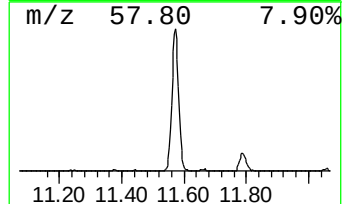
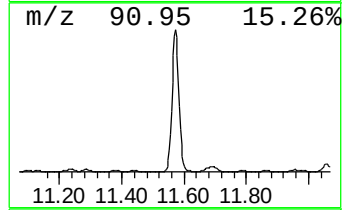
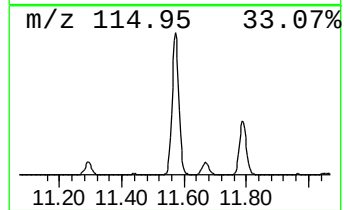
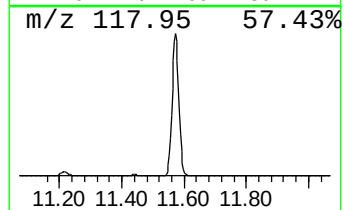
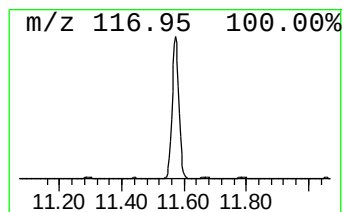
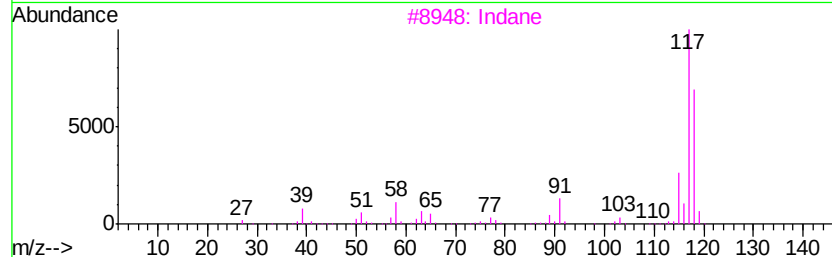
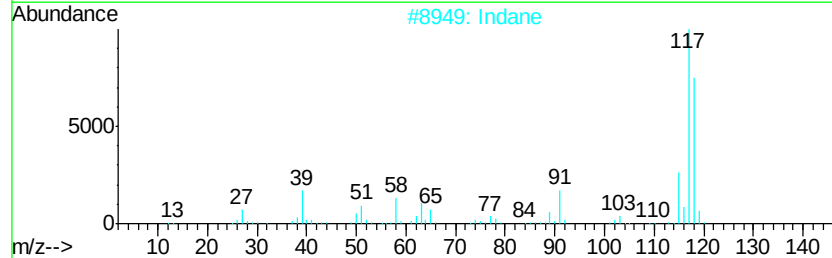
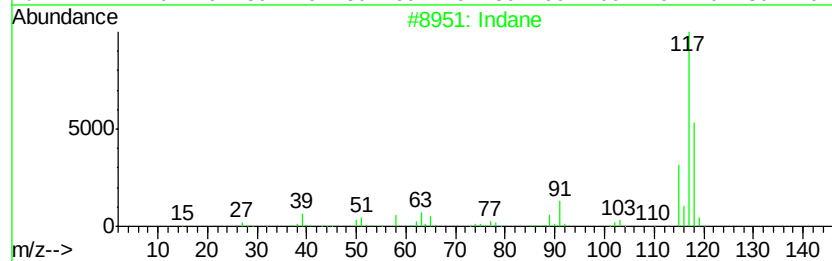
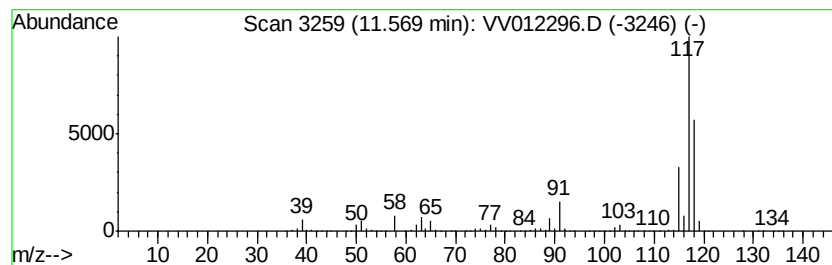
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	46.81 ug/L	7418610	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	Indane		118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-		118	C9H10	000873-49-4	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...		118	C9H10	1000191-13-7	80



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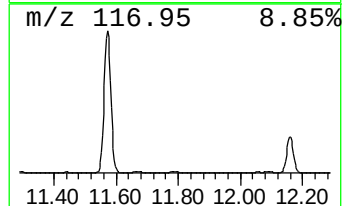
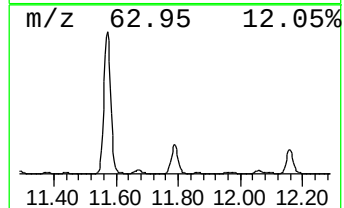
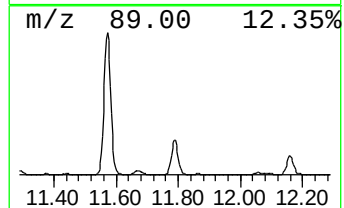
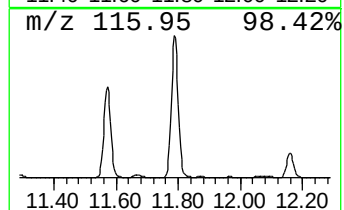
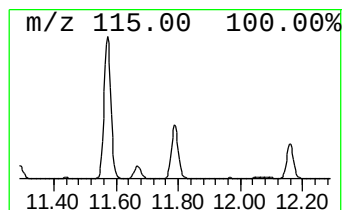
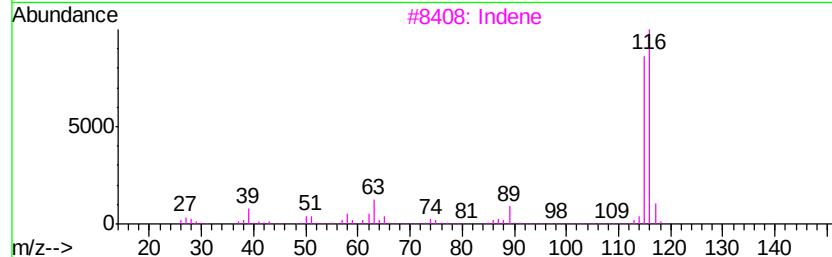
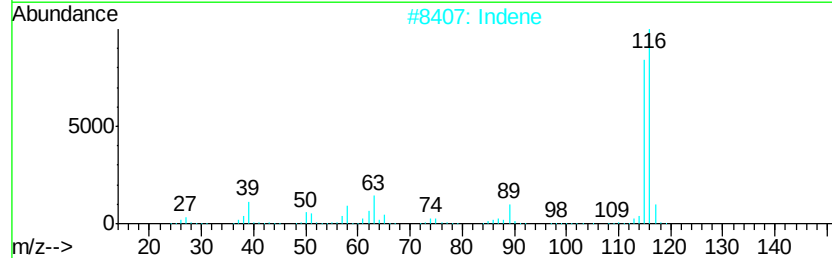
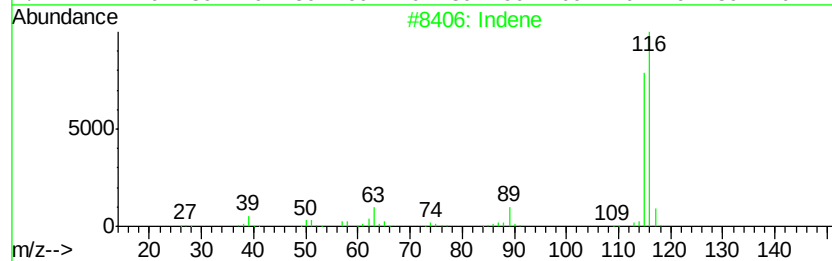
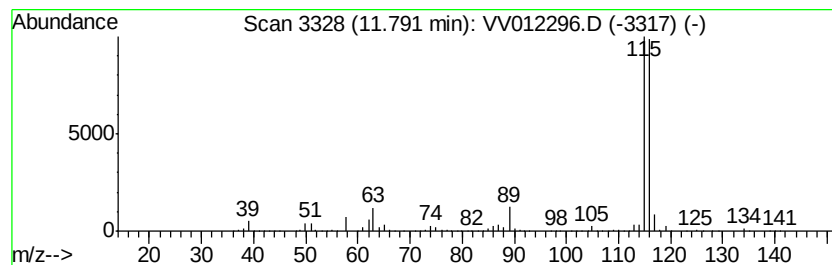
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	6.03 ug/L	955861	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	96
3		Indene	116	C9H8	000095-13-6	95
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampled :
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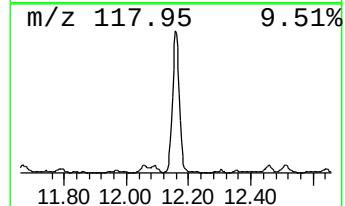
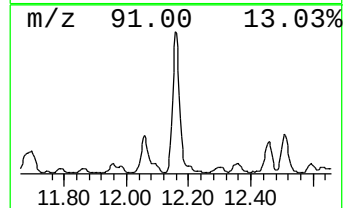
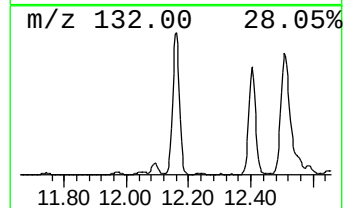
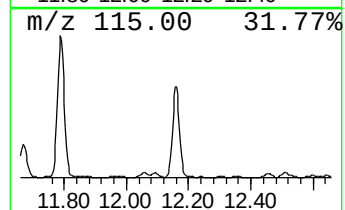
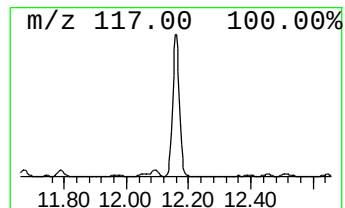
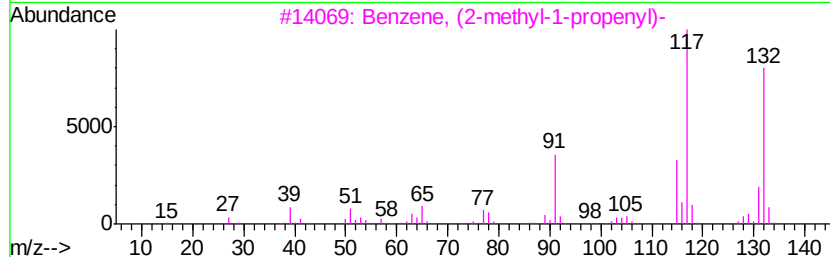
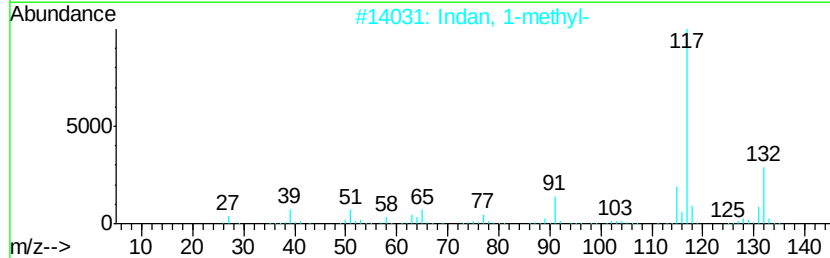
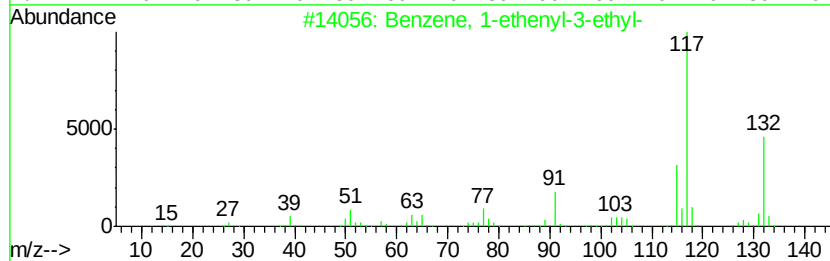
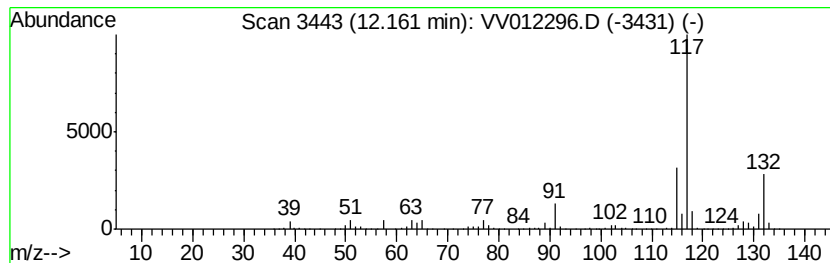
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	11.34 ug/L	1797670	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87



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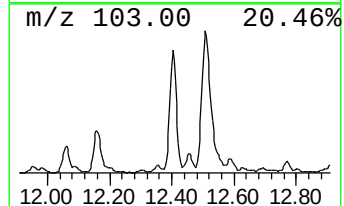
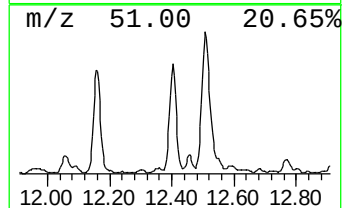
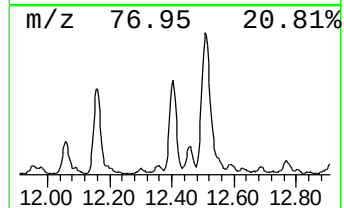
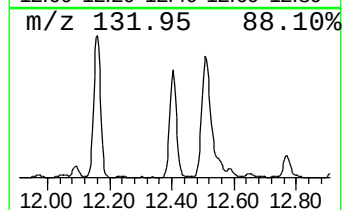
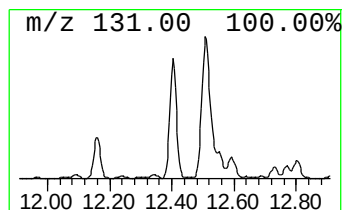
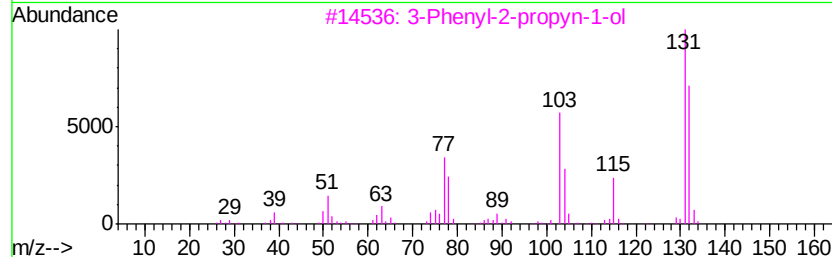
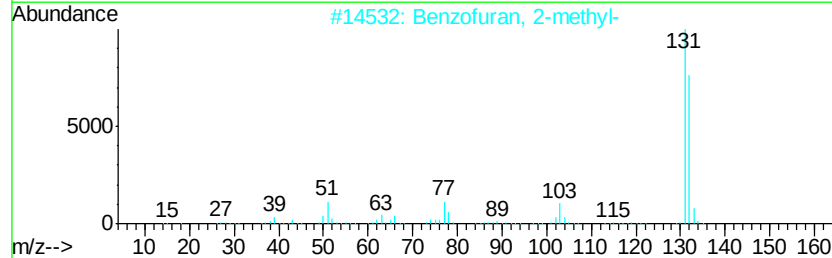
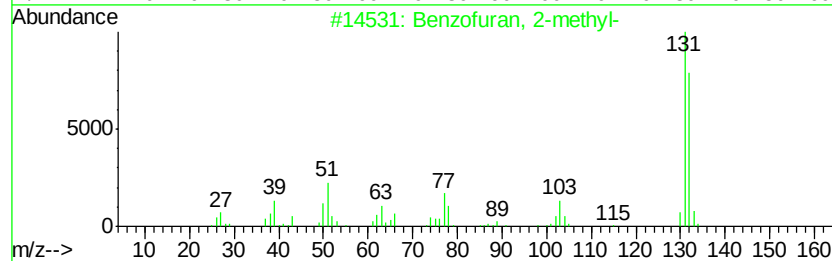
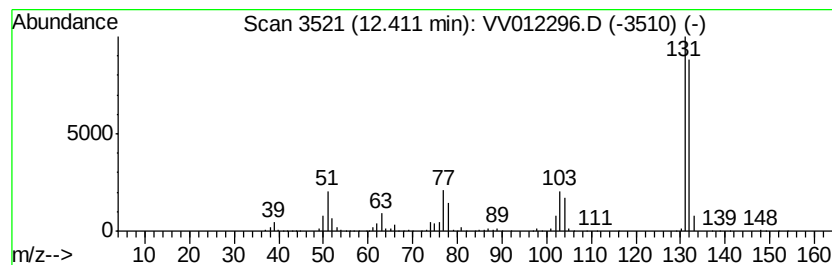
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.34 ug/L	528775	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, 2-methyl-	132	C9H8O	004265-25-2	91
3		3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5		3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

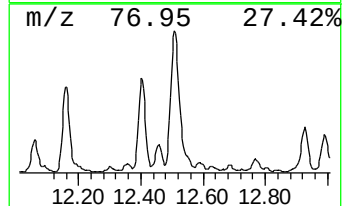
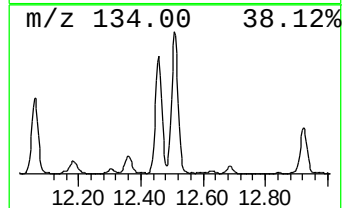
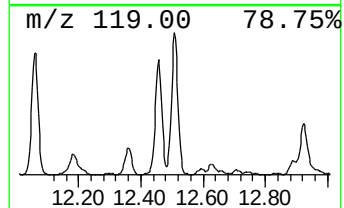
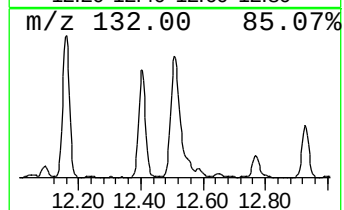
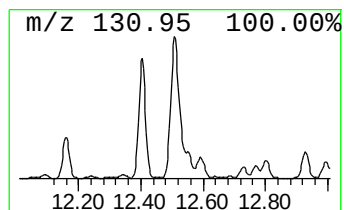
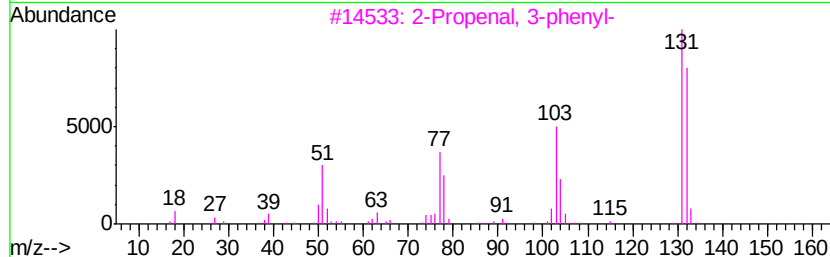
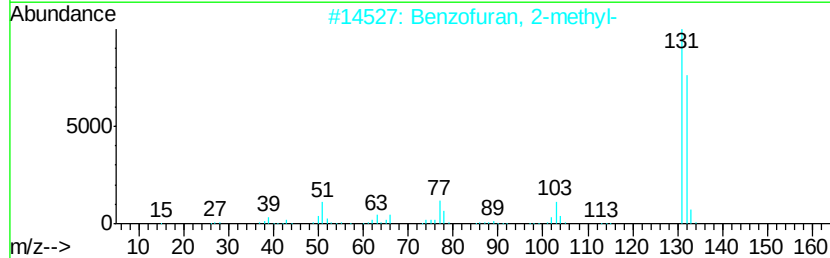
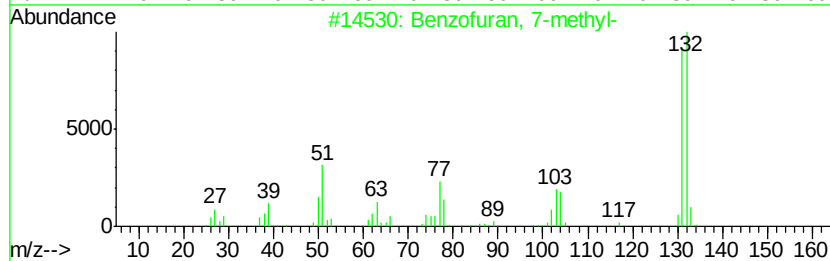
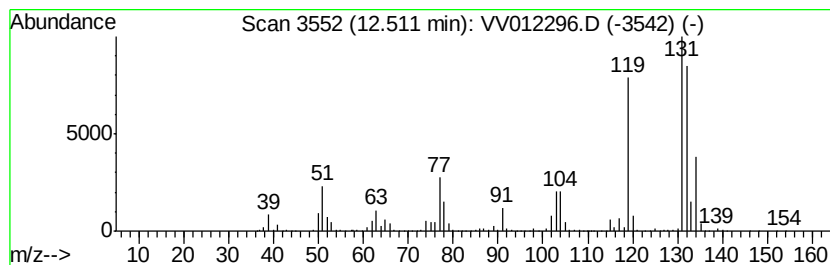
Instrument :
MSVOA_V
ClientSampleId :
C0AD4

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 6 Benzofuran, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	7.66 ug/L	1214730	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzofuran, 7-methyl-	132 C9H8O	017059-52-8 83
2		Benzofuran, 2-methyl-	132 C9H8O	004265-25-2 78
3		2-Propenal, 3-phenyl-	132 C9H8O	000104-55-2 60
4		Benzofuran, 2-methyl-	132 C9H8O	004265-25-2 60
5		3-Phenyl-2-propyn-1-ol	132 C9H8O	001504-58-1 60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

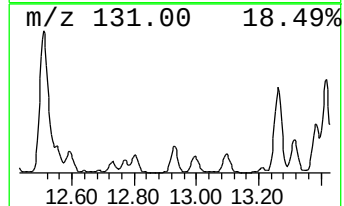
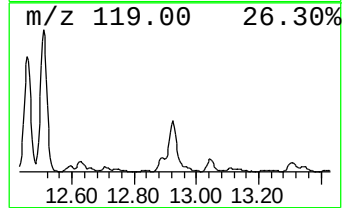
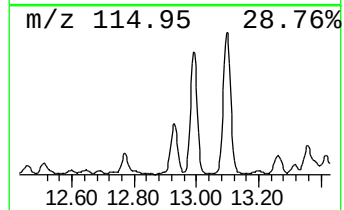
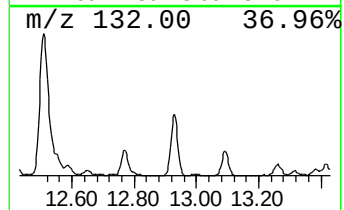
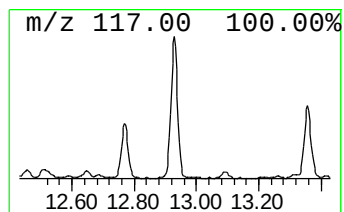
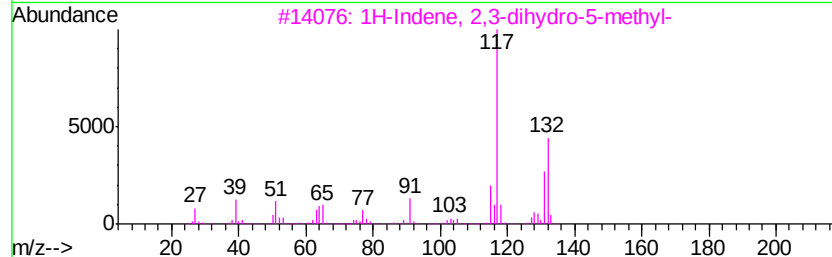
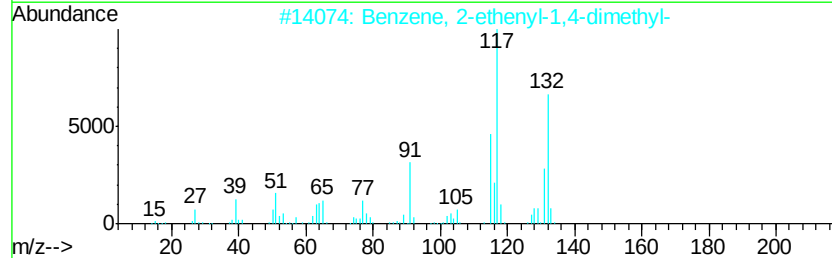
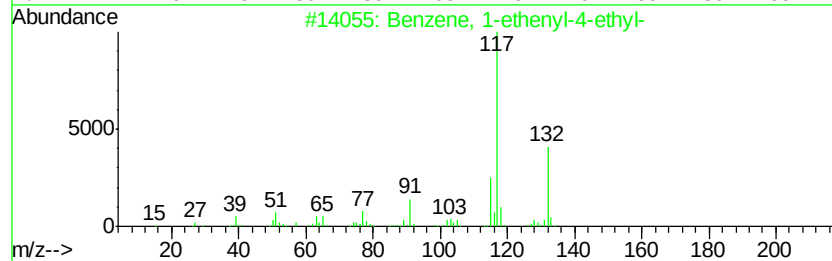
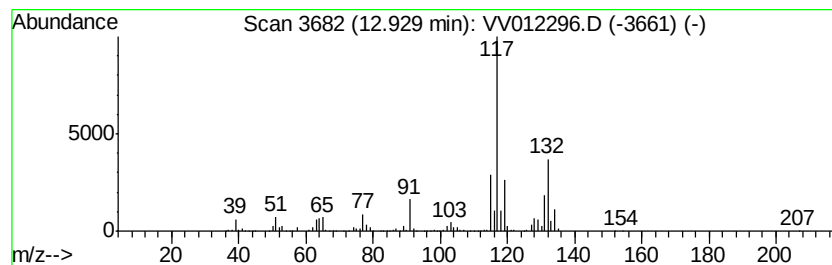
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	4.81 ug/L	762861	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

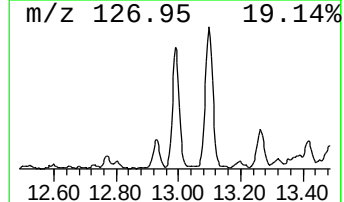
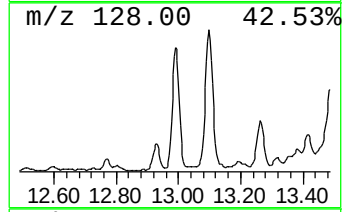
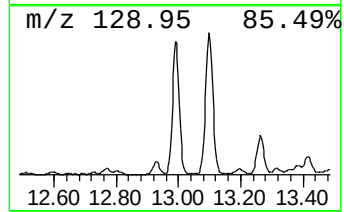
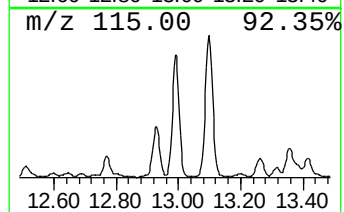
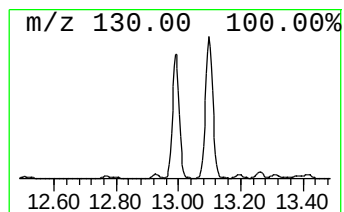
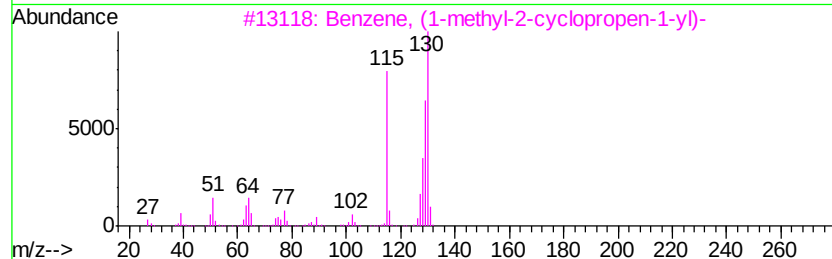
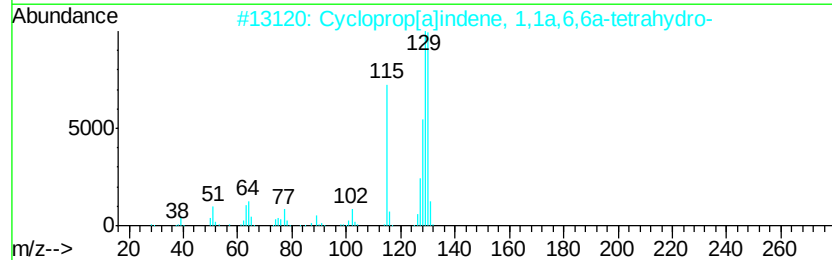
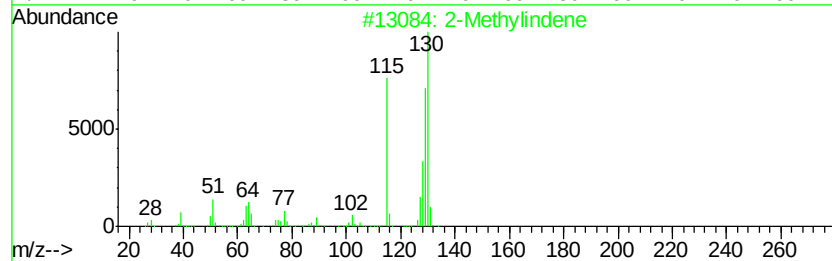
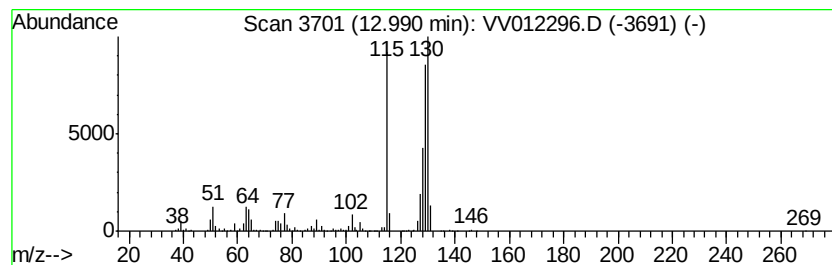
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 2-Methylindene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	4.49 ug/L	711231	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Methylindene	130 C10H10	002177-47-1	97
2	Cycloprop[alindene, 1,1a,6,6a-te...	130 C10H10	015677-15-3	96
3	Benzene, (1-methyl-2-cyclopropen...	130 C10H10	065051-83-4	96
4	1H-Indene, 1-methyl-	130 C10H10	000767-59-9	94
5	1,4-Dihydronaphthalene	130 C10H10	000612-17-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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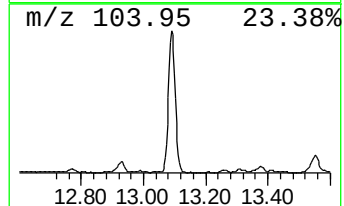
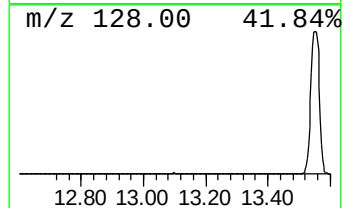
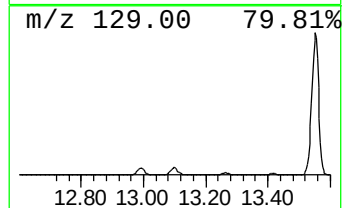
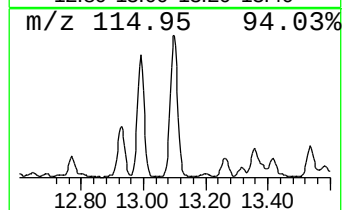
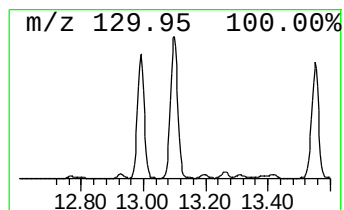
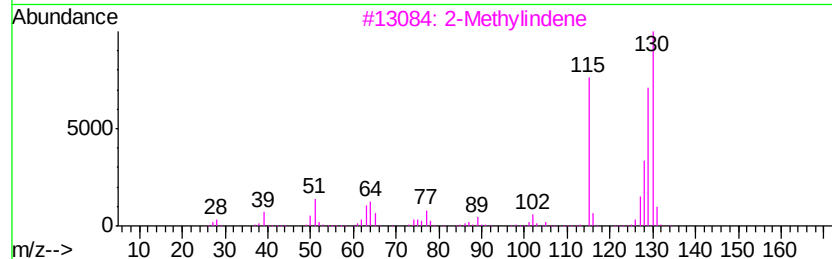
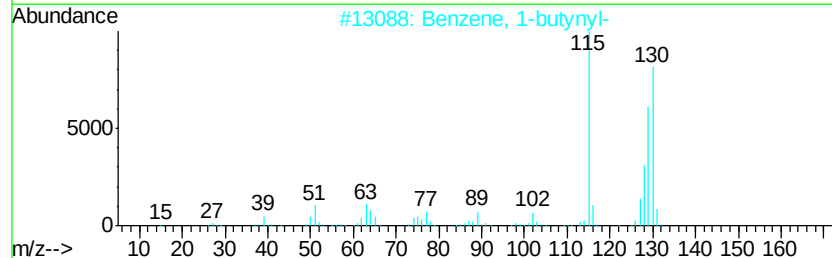
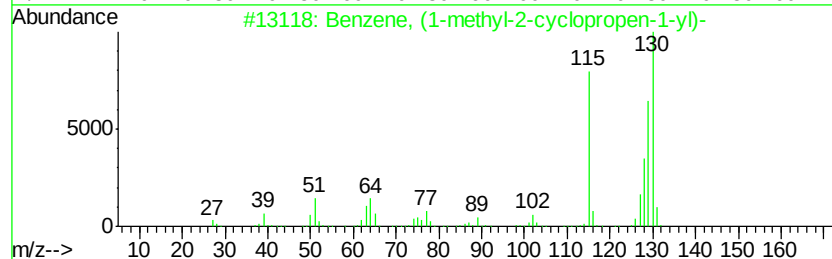
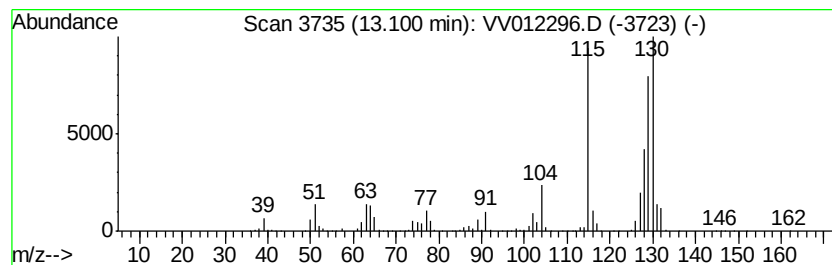
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 Benzene, (1-methyl-2-cyclop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	6.21 ug/L	984335	1,4-Dichlorobenzene-d4	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
3		2-Methylindene	130	C10H10	002177-47-1	95
4		Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	95
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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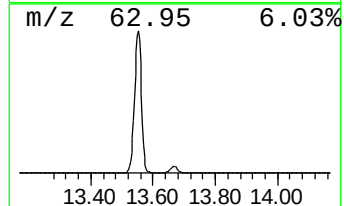
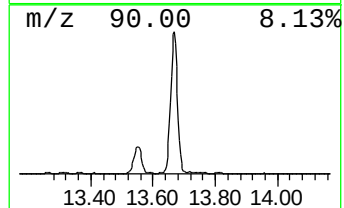
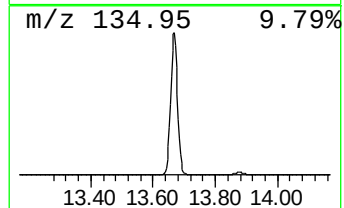
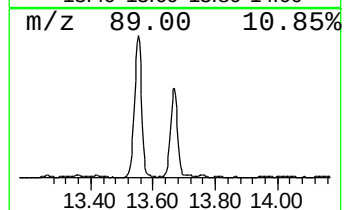
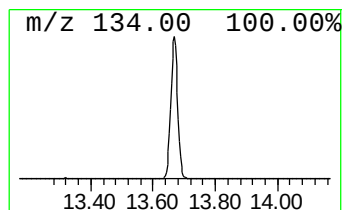
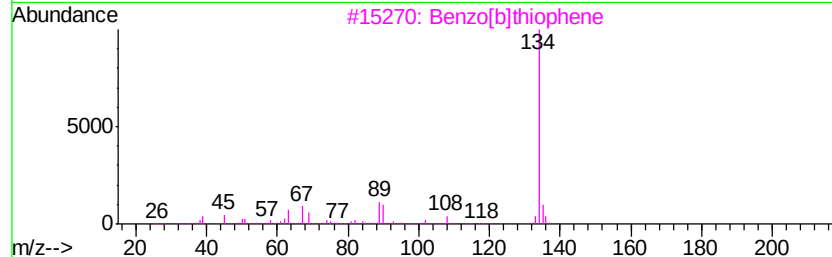
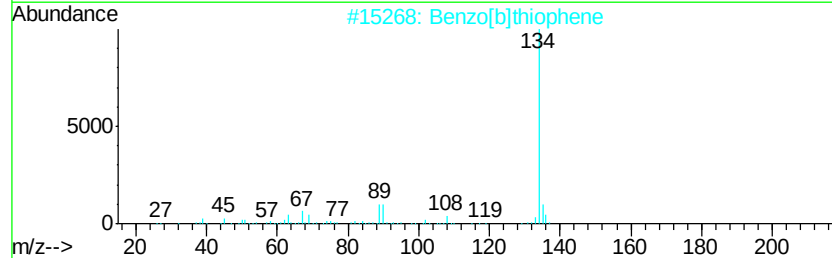
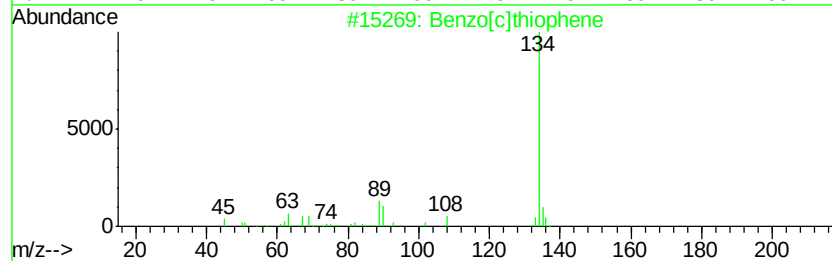
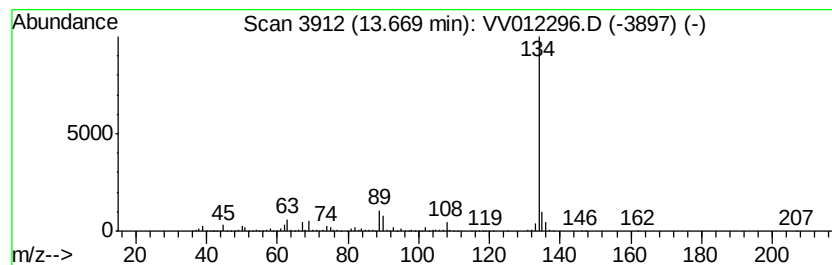
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 Benzo[c]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	12.90 ug/L	2044490	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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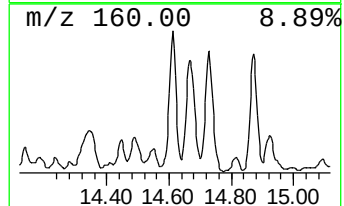
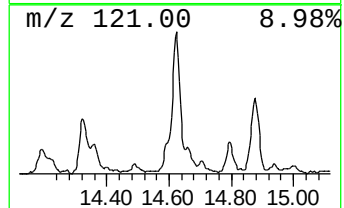
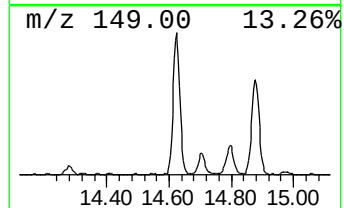
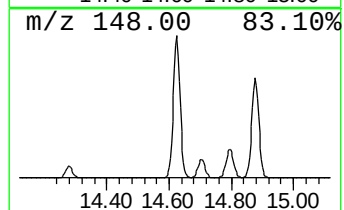
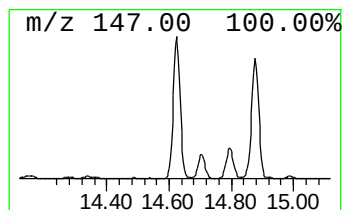
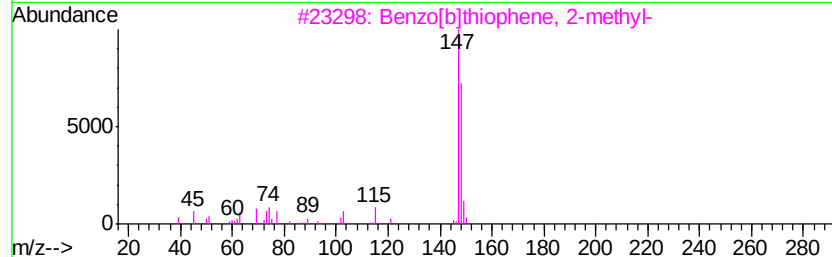
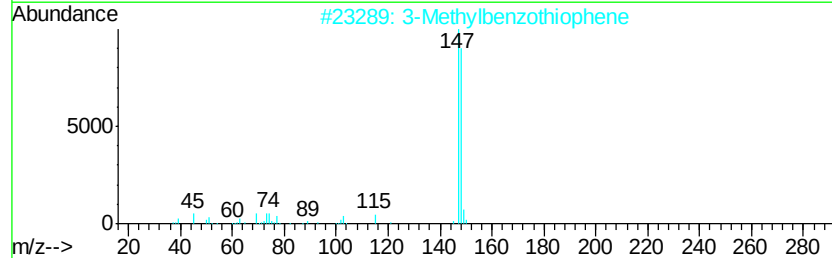
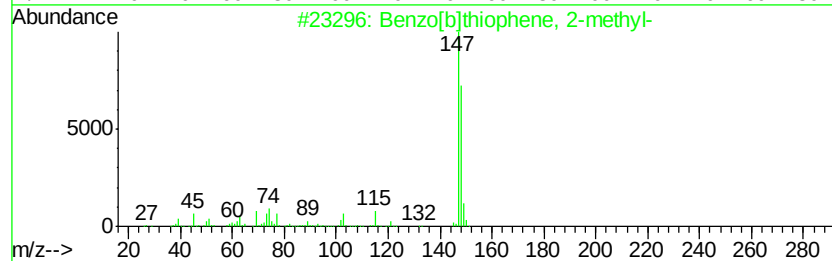
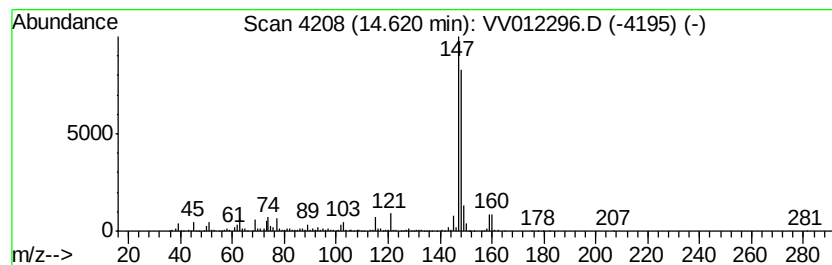
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 Benzo[b]thiophene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	4.80 ug/L	761557	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2		3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
3		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
5		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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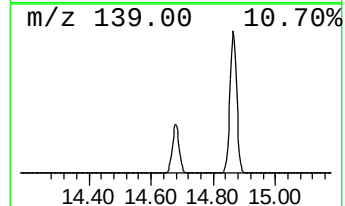
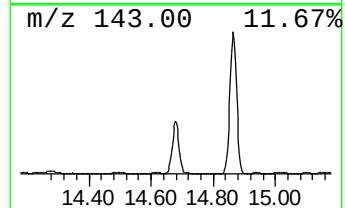
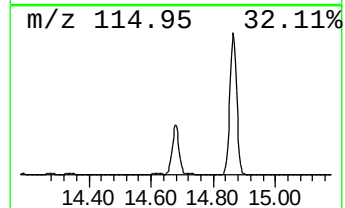
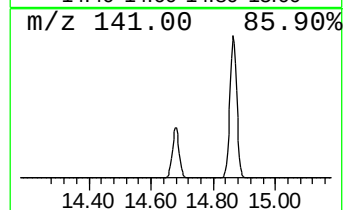
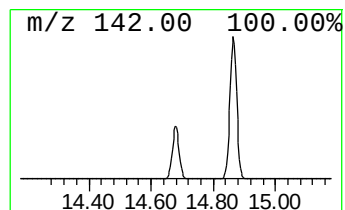
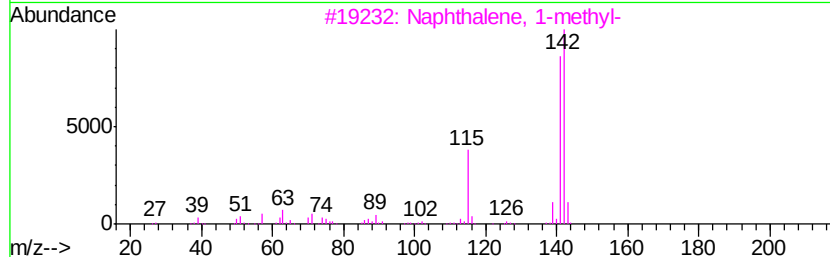
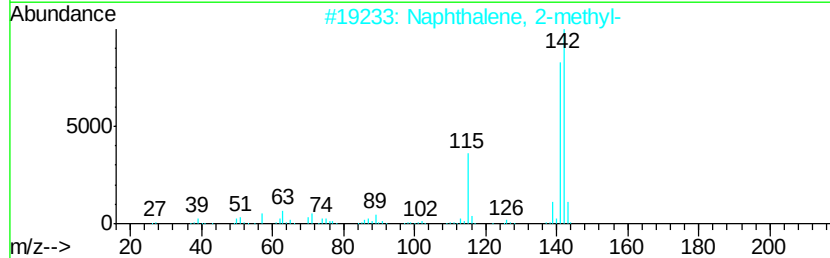
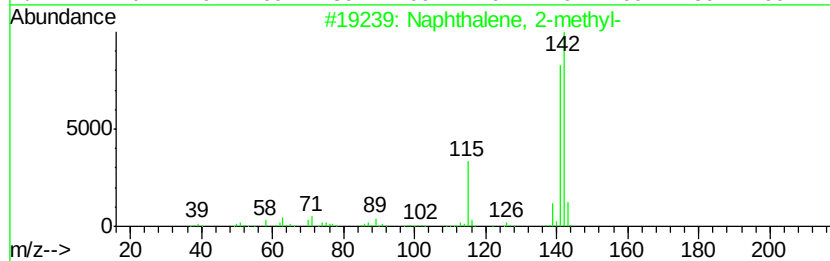
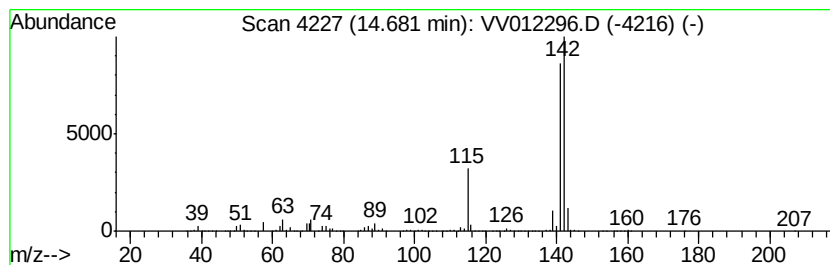
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	29.94 ug/L	4745360	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

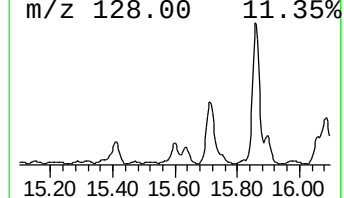
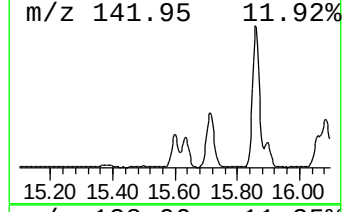
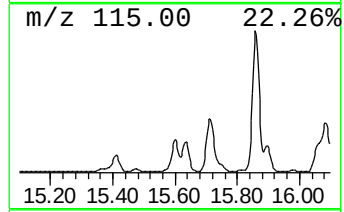
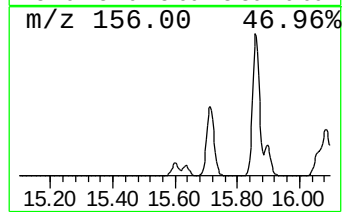
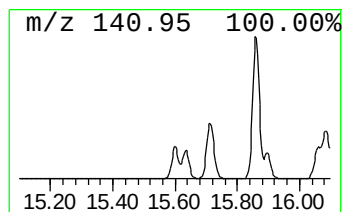
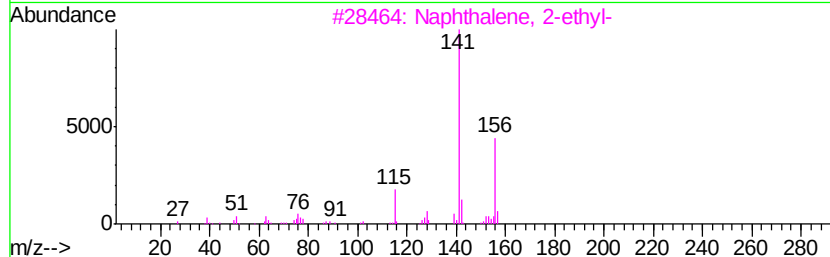
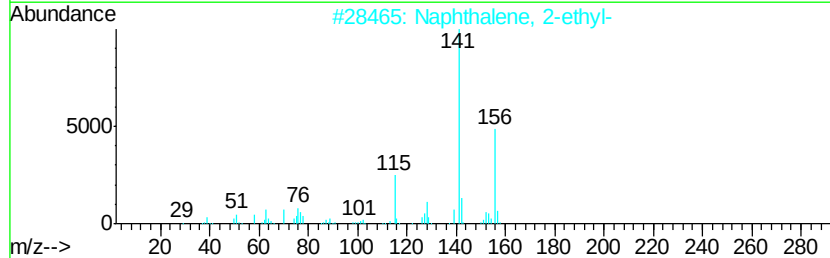
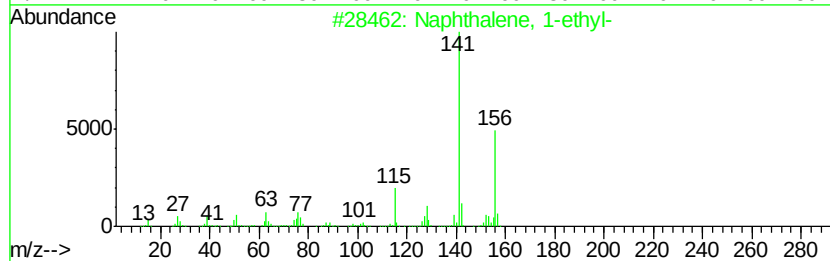
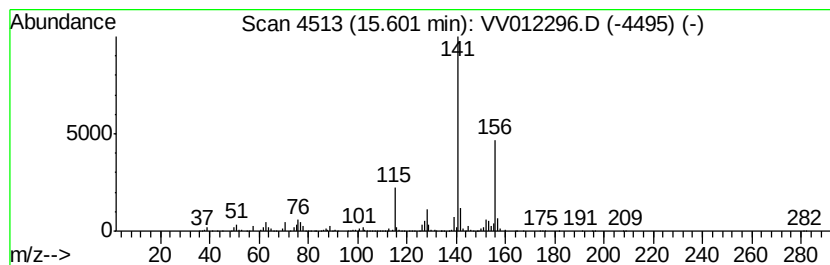
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 16 Naphthalene, 1-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.13 ug/L	655383	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

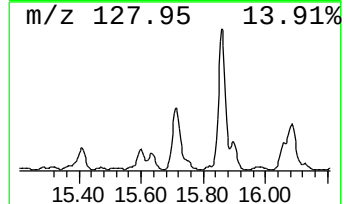
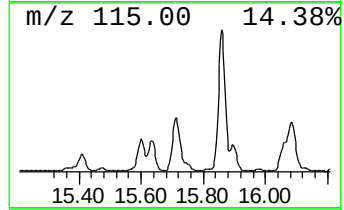
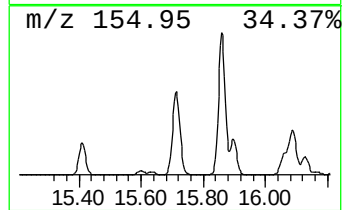
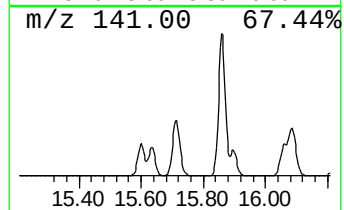
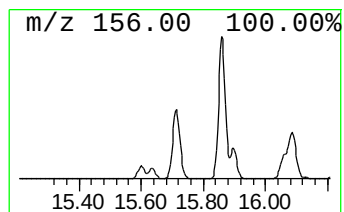
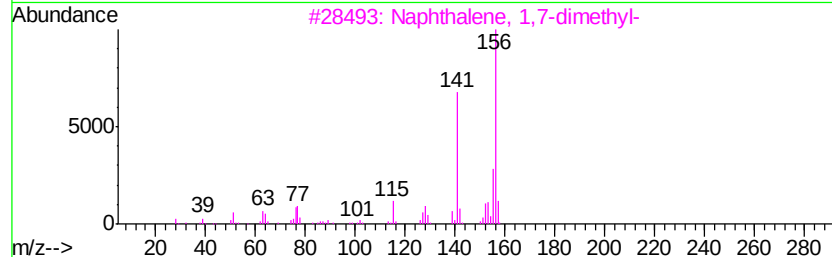
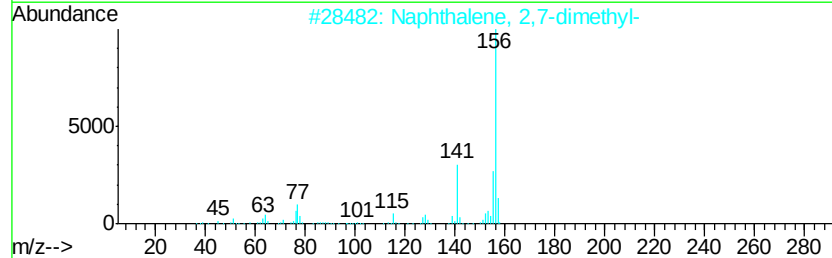
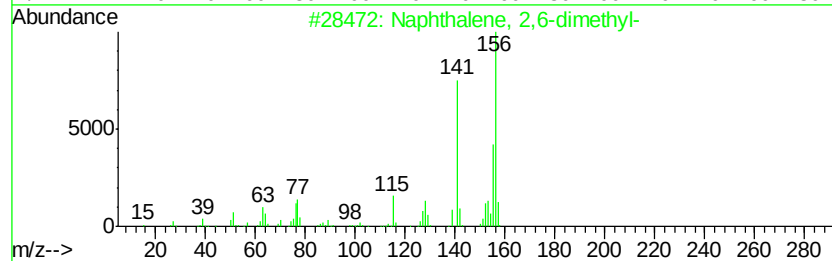
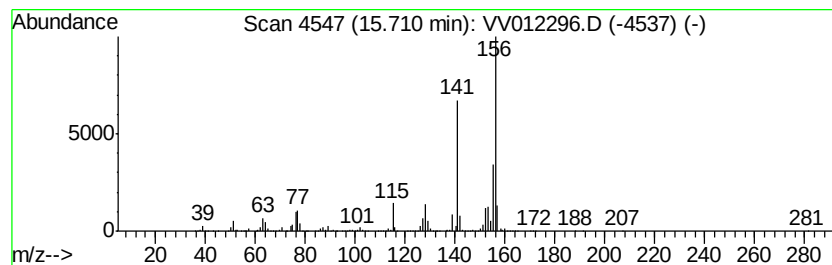
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 18 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	14.55 ug/L	2306120	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

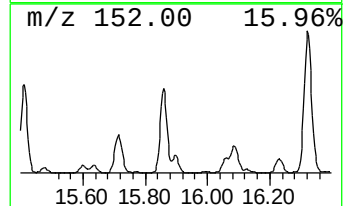
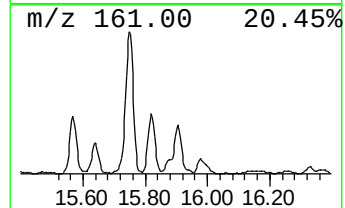
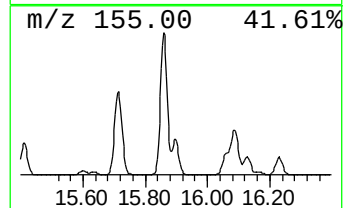
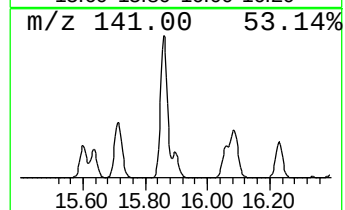
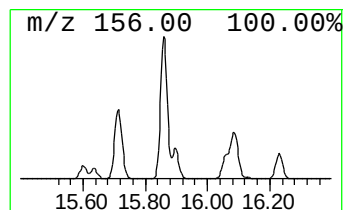
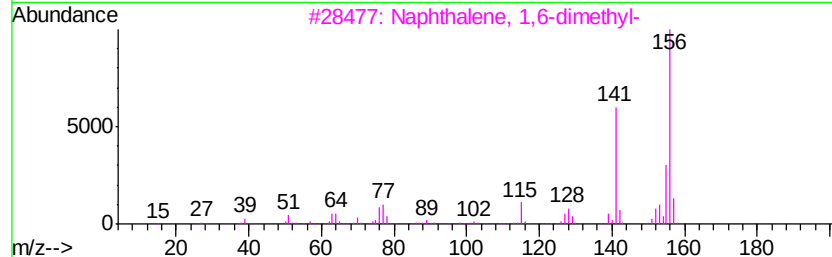
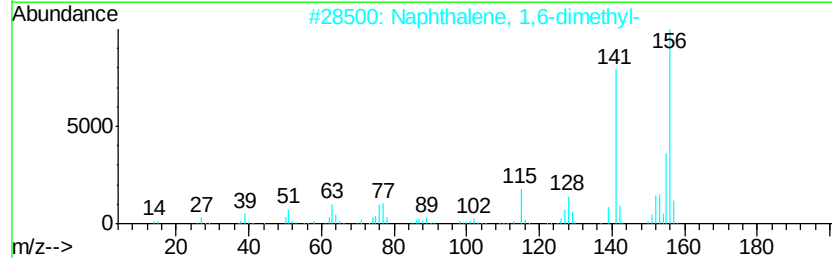
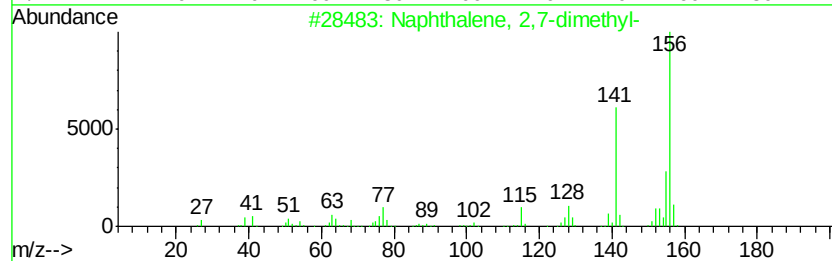
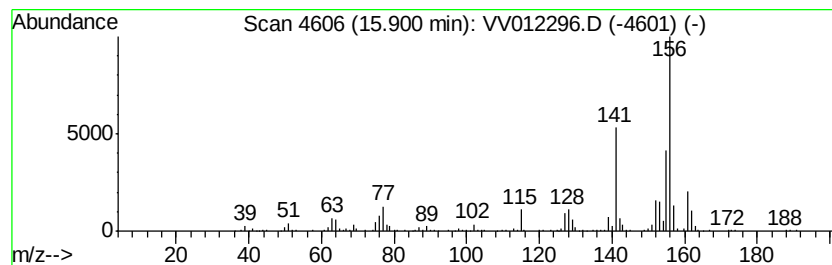
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 20 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	4.89 ug/L	774382	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
C0AD4

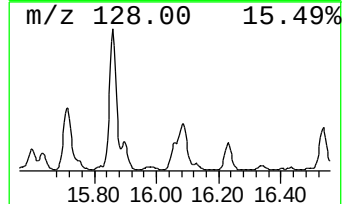
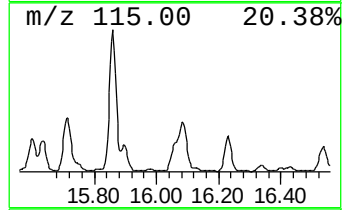
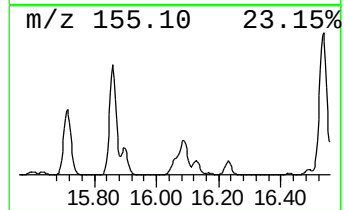
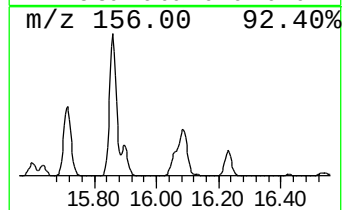
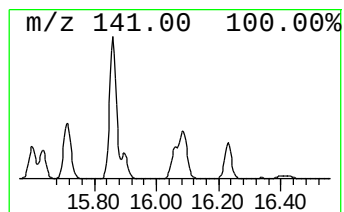
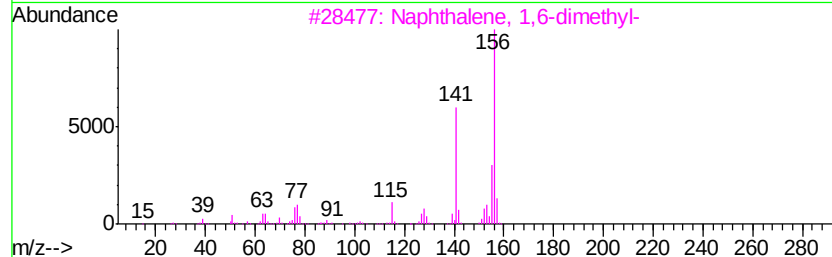
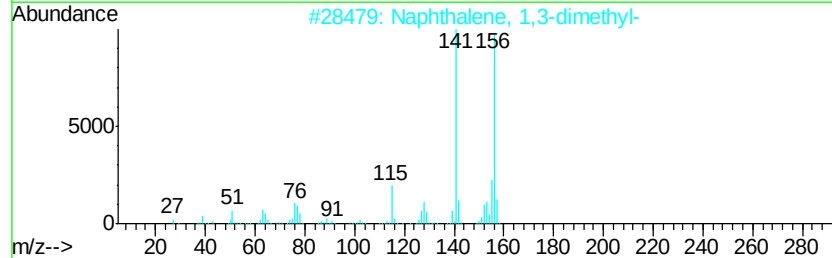
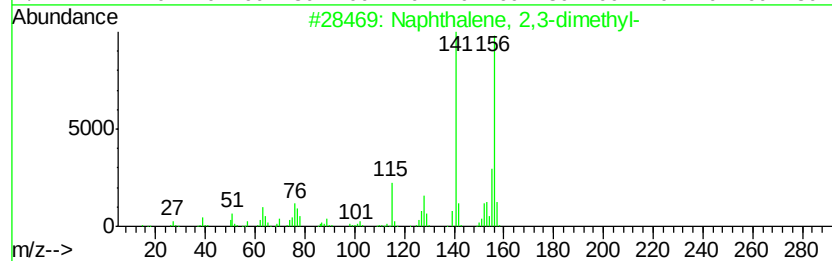
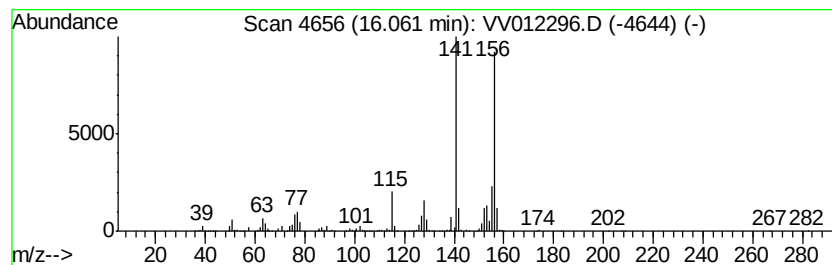
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 21 Naphthalene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	3.68 ug/L	584062	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

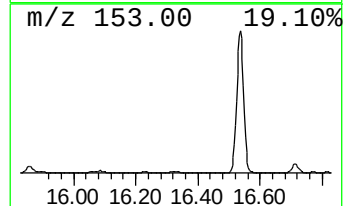
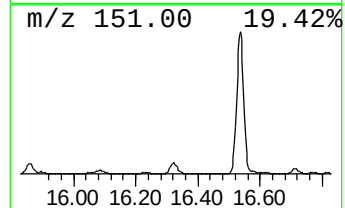
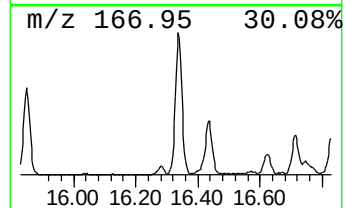
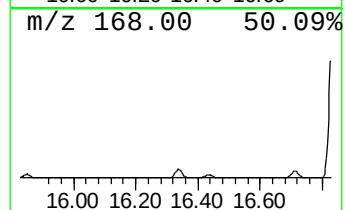
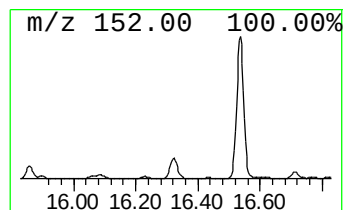
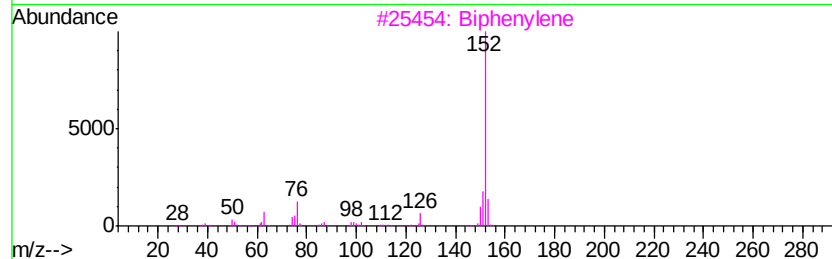
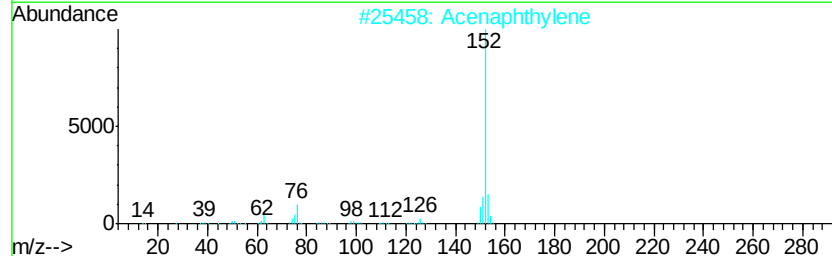
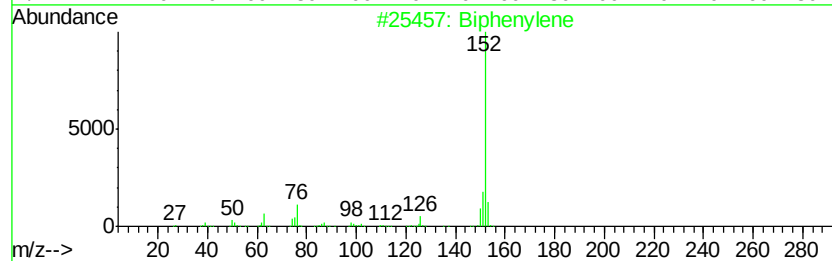
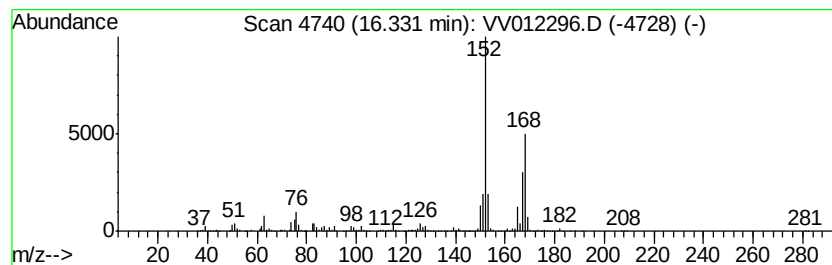
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 24 Biphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	5.01 ug/L	793769	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenylene	152	C12H8	000259-79-0	93
2			Acenaphthylene	152	C12H8	000208-96-8	76
3			Biphenylene	152	C12H8	000259-79-0	76
4			Acenaphthylene	152	C12H8	000208-96-8	58
5			Acenaphthylene	152	C12H8	000208-96-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AD4

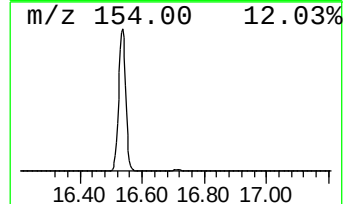
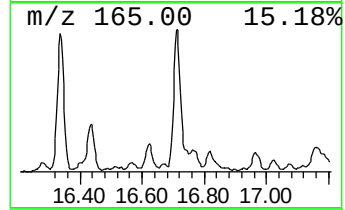
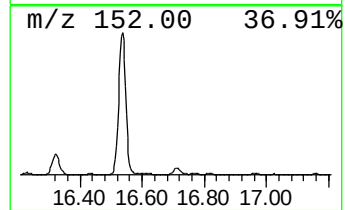
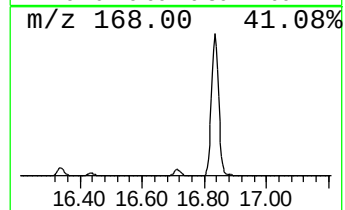
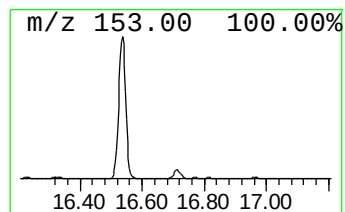
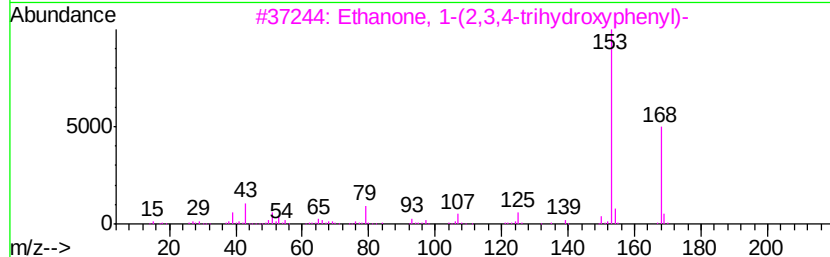
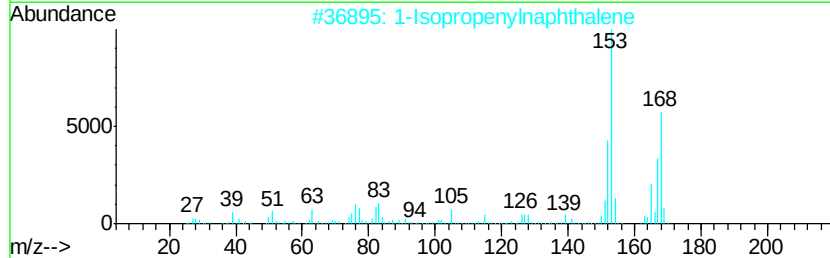
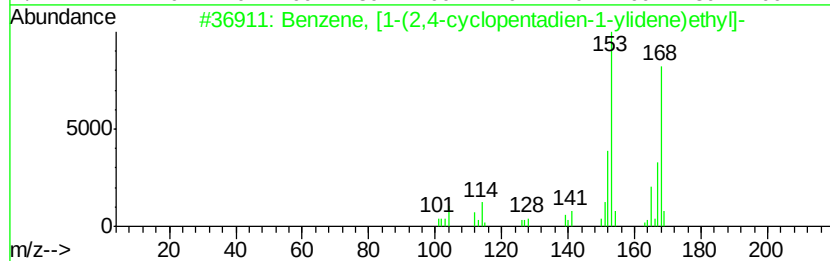
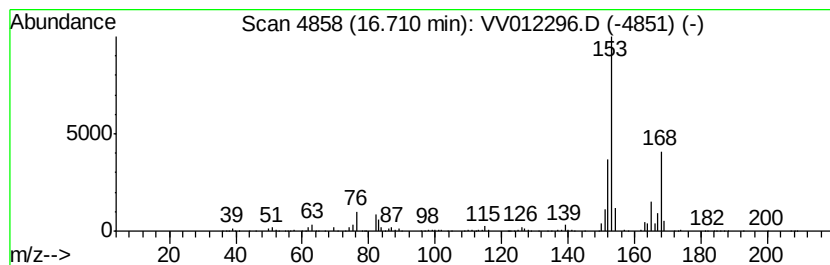
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 26 Benzene, [1-(2,4-cyclopenta... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	3.79 ug/L	600450	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	86
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
3		Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
4		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012296.D
Acq On : 20 Aug 2019 00:04
Operator : SY/MD
Sample : K4373-15
Misc : 25mL/MSVOA V/WATER
ALS Vial : 24 Sample Multiplier: 1

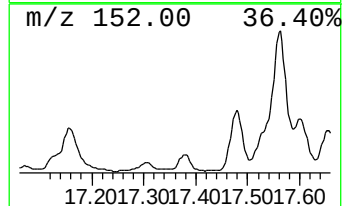
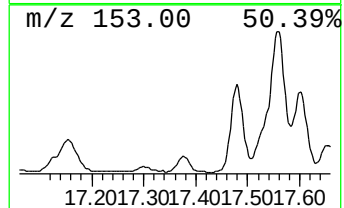
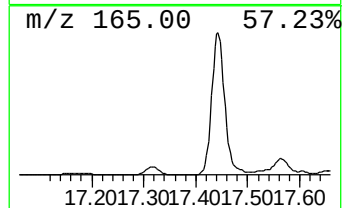
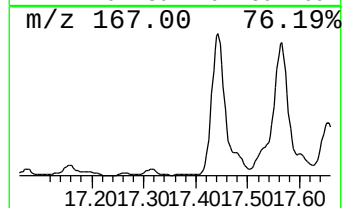
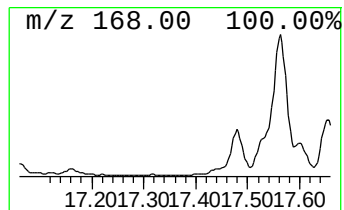
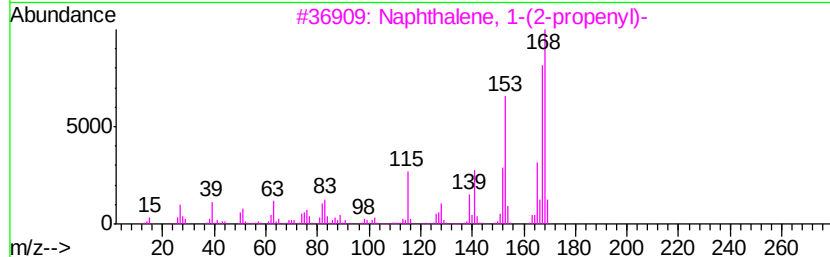
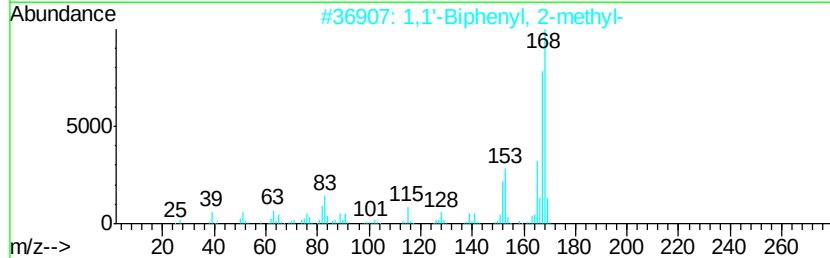
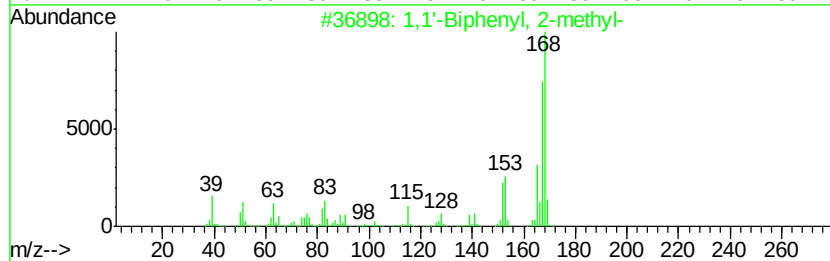
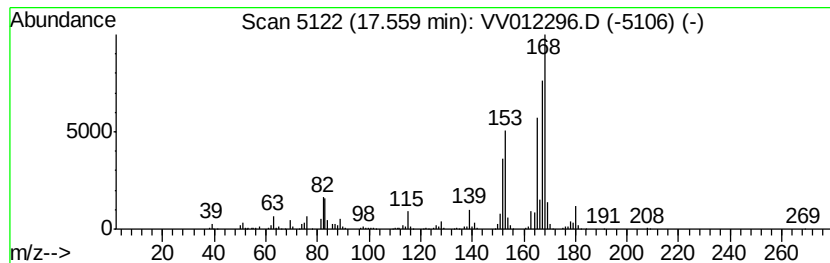
Instrument :
MSVOA_V
ClientSampleId :
C0AD4

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 29 1,1'-Biphenyl, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.56	3.52 ug/L	557559	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	81
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	76
5	Diphenylmethane	168	C13H12	000101-81-5	76



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
 Data File : VV012296.D
 Acq On : 20 Aug 2019 00:04
 Operator : SY/MD
 Sample : K4373-15
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD4

Quant Method : Z:\VOASRV\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
Benzene, 1,2,3-tr...	10.95	3.0	ug/L	471560	3	11.29	792492	5.0
Indane	11.57	46.8	ug/L	7418610	3	11.29	792492	5.0
Indene	11.79	6.0	ug/L	955861	3	11.29	792492	5.0
Benzene, 1-etheny...	12.16	11.3	ug/L	1797670	3	11.29	792492	5.0
Benzofuran, 2-met...	12.41	3.3	ug/L	528775	3	11.29	792492	5.0
Benzofuran, 7-met...	12.51	7.7	ug/L	1214730	3	11.29	792492	5.0
Benzene, 1-etheny...	12.93	4.8	ug/L	762861	3	11.29	792492	5.0
2-Methylindene	12.99	4.5	ug/L	711231	3	11.29	792492	5.0
Benzene, (1-methy...	13.10	6.2	ug/L	984335	3	11.29	792492	5.0
Benzo[c]thiophene	13.67	12.9	ug/L	2044490	3	11.29	792492	5.0
Benzo[b]thiophene...	14.62	4.8	ug/L	761557	3	11.29	792492	5.0
Naphthalene, 1-me...	14.68	29.9	ug/L	4745360	3	11.29	792492	5.0
Naphthalene, 1-et...	15.60	4.1	ug/L	655383	3	11.29	792492	5.0
Naphthalene, 2,6-...	15.71	14.6	ug/L	2306120	3	11.29	792492	5.0
Naphthalene, 2,7-...	15.90	4.9	ug/L	774382	3	11.29	792492	5.0
Naphthalene, 2,3-...	16.06	3.7	ug/L	584062	3	11.29	792492	5.0
Biphenylene	16.33	5.0	ug/L	793769	3	11.29	792492	5.0
Benzene, [1-(2,4-...	16.71	3.8	ug/L	600450	3	11.29	792492	5.0
1,1'-Biphenyl, 2-...	17.56	3.5	ug/L	557559	3	11.29	792492	5.0