

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
 Data File : VU036762.D
 Acq On : 12 Feb 2020 20:06
 Operator : JC/MD
 Sample : L1487-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBCW7

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_U\METHOD\SOMUTR021220WMA.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	1.613	77	85	95	rBV	78547	85713	2.85%	0.634%
2	1.928	175	183	197	rVB	66280	88165	2.93%	0.652%
3	2.591	377	389	401	rBV	112000	179037	5.95%	1.323%
4	4.671	1021	1036	1070	rBV	81570	194863	6.48%	1.440%
5	5.105	1151	1171	1189	rBV	90496	197004	6.55%	1.456%
6	5.764	1354	1376	1397	rBV2	197174	494531	16.44%	3.656%
7	6.282	1523	1537	1561	rBV	168564	314510	10.46%	2.325%
8	6.726	1659	1675	1691	rBV2	121665	234753	7.81%	1.735%
9	7.594	1930	1945	1961	rBV	63561	111324	3.70%	0.823%
10	7.925	2034	2048	2063	rBV	252801	428691	14.26%	3.169%
11	8.205	2124	2135	2151	rBV	39353	65033	2.16%	0.481%
12	8.661	2263	2277	2308	rBV	289026	511285	17.00%	3.780%
13	9.439	2505	2519	2542	rBV	237072	386183	12.84%	2.855%
14	10.777	2923	2935	2953	rBV	85704	139509	4.64%	1.031%
15	11.828	3247	3262	3275	rBV	237288	377476	12.55%	2.790%
16	12.108	3330	3349	3361	rBV	37714	60704	2.02%	0.449%
17	12.208	3368	3380	3395	rVB	229789	369981	12.30%	2.735%
18	12.327	3406	3417	3430	rBV	53021	84363	2.81%	0.624%
19	12.507	3437	3473	3474	rBV2	32502	92305	3.07%	0.682%
20	14.118	3942	3974	3997	rBV	969798	1582702	52.63%	11.700%
21	14.240	4001	4012	4025	rVB	29428	47408	1.58%	0.350%
22	15.265	4319	4331	4351	rVB	596714	977293	32.50%	7.224%
23	15.455	4377	4390	4407	rVB	325027	538401	17.90%	3.980%
24	16.005	4549	4561	4574	rBV	285949	459607	15.28%	3.398%
25	16.201	4604	4622	4632	rBV	107045	189023	6.29%	1.397%
26	16.317	4646	4658	4681	rVB	176577	321253	10.68%	2.375%
27	16.465	4687	4704	4711	rBV	187654	330343	10.98%	2.442%
28	16.503	4711	4716	4728	rVB	115671	179474	5.97%	1.327%
29	16.696	4758	4776	4796	rBV3	50799	132507	4.41%	0.980%
30	16.844	4813	4822	4837	rVB2	33213	54278	1.80%	0.401%
31	16.947	4842	4854	4868	rBV2	130876	227109	7.55%	1.679%
32	17.050	4877	4886	4895	rVB2	22128	34257	1.14%	0.253%
33	17.162	4906	4921	4941	rBV	1742625	3007283	100.00%	22.231%
34	17.346	4968	4978	4990	rBV2	45732	86215	2.87%	0.637%

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ALS Vial : 42 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DBCW7

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Title : TRACE VOA SOM01.0

35	17.481	5005	5020	5049	rBV	479447	945151	31.43%	6.987%
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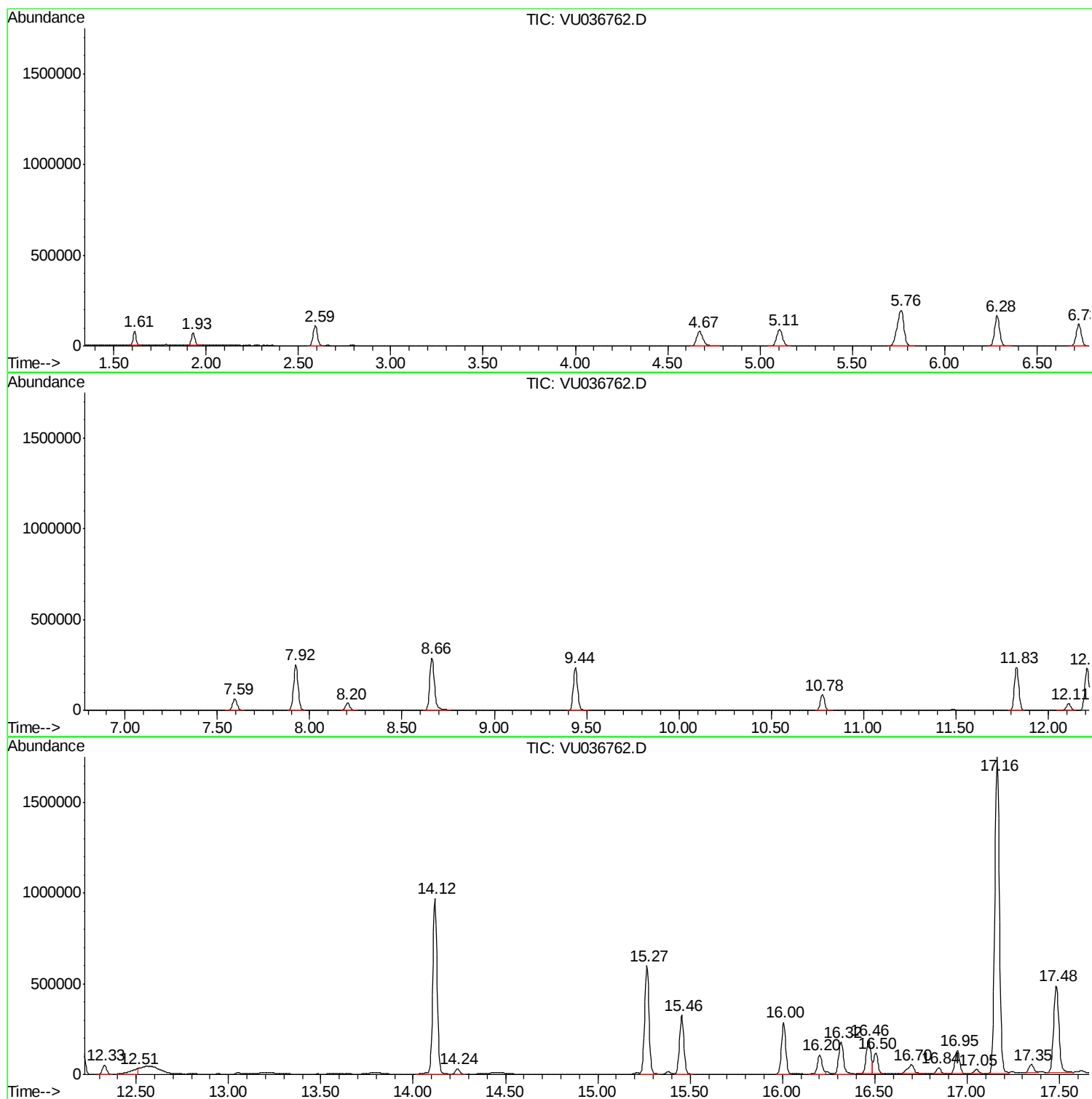
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Quant Title : TRACE VOA SOM01.0

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



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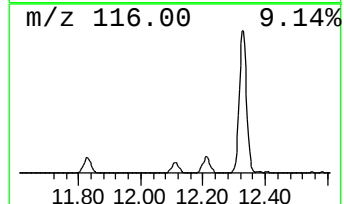
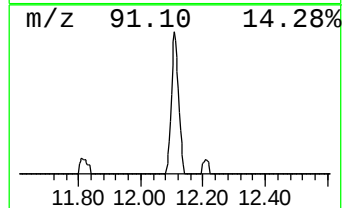
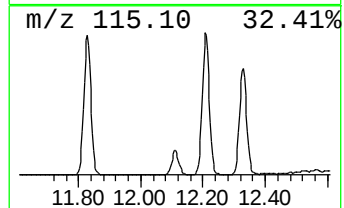
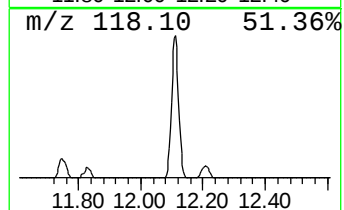
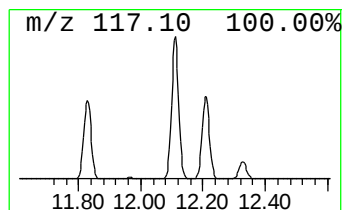
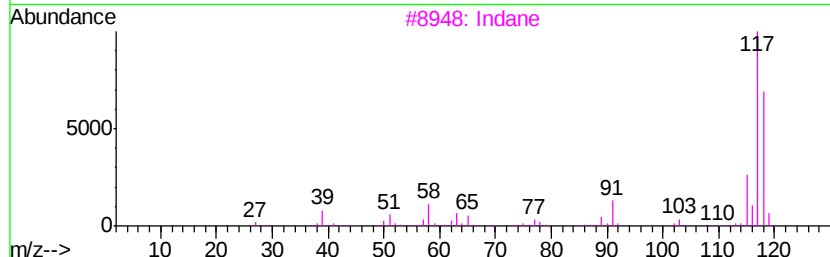
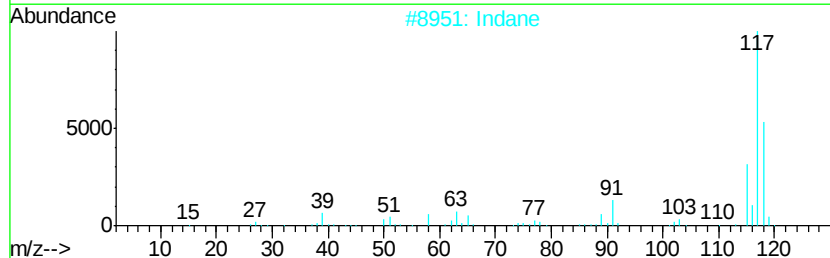
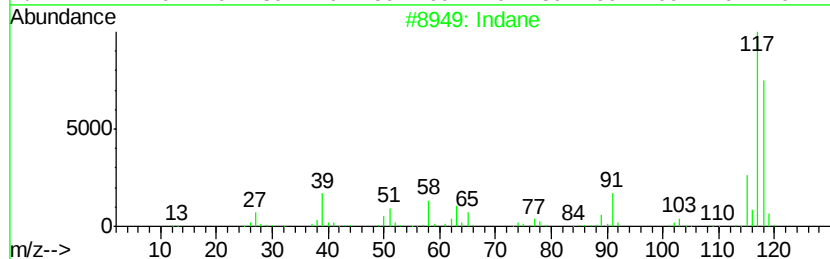
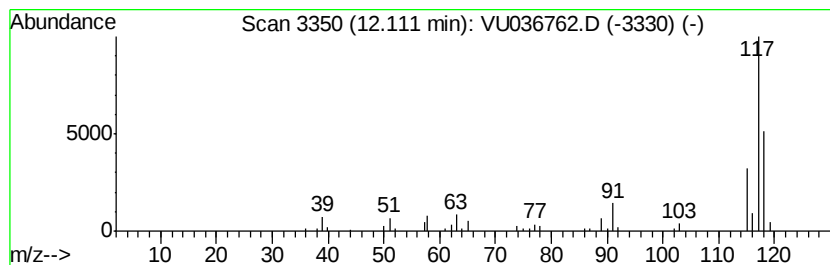
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 Indane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	0.80 ug/L	60704	1,4-Dichlorobenzene-d4	11.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	96
2	Indane		118	C9H10	000496-11-7	93
3	Indane		118	C9H10	000496-11-7	81
4	(Z)-1-Phenylpropene		118	C9H10	000766-90-5	74
5	Benzene, cyclopropyl-		118	C9H10	000873-49-4	74



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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

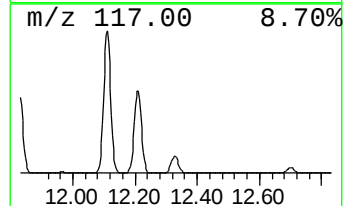
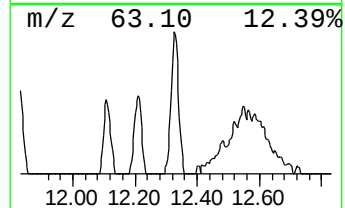
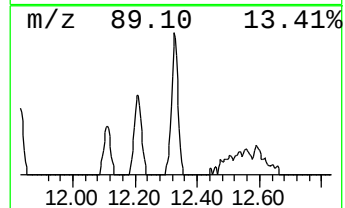
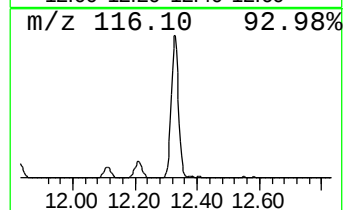
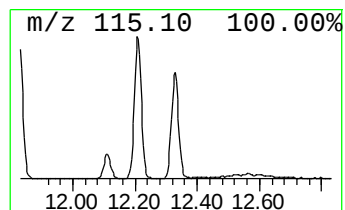
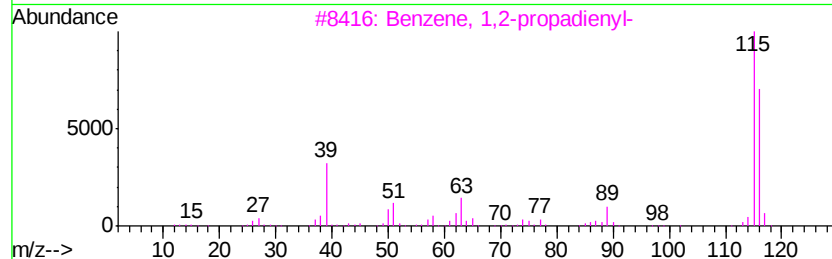
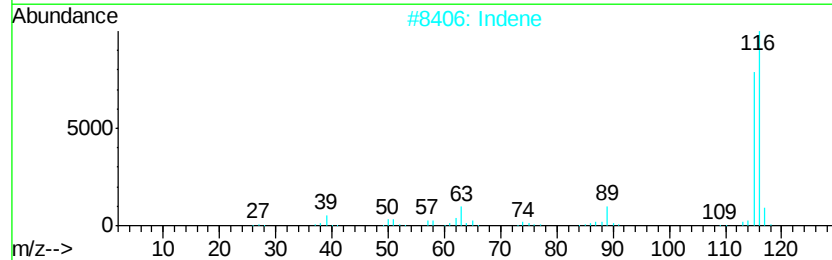
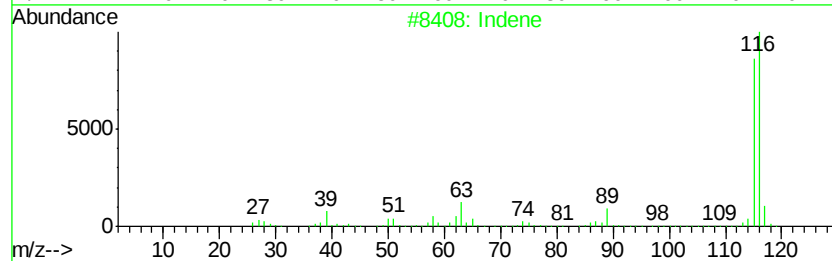
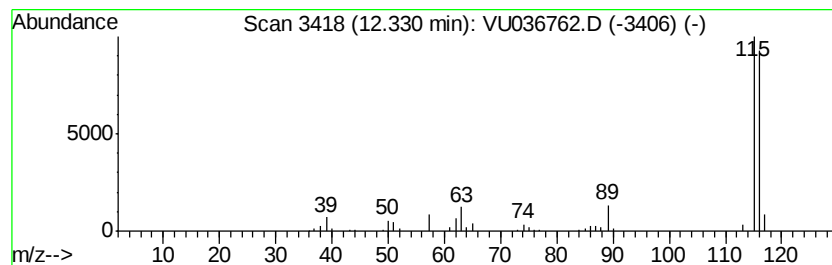
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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.
12.33	1.12 ug/L	84363	1,4-Dichlorobenzene-d4	11.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	95
2	Indene		116	C9H8	000095-13-6	94
3	Benzene, 1,2-propadienyl-		116	C9H8	002327-99-3	91
4	Benzene, 1-propynyl-		116	C9H8	000673-32-5	91
5	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	91



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ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

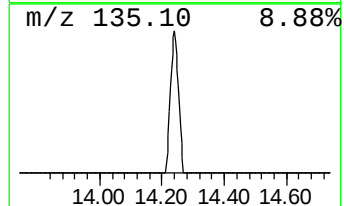
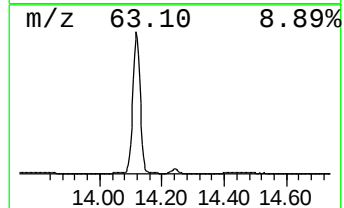
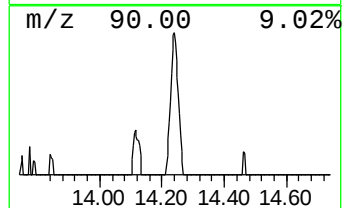
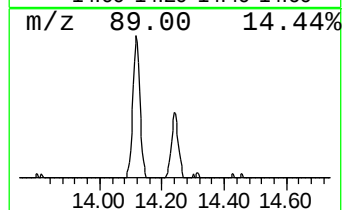
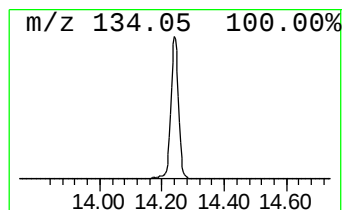
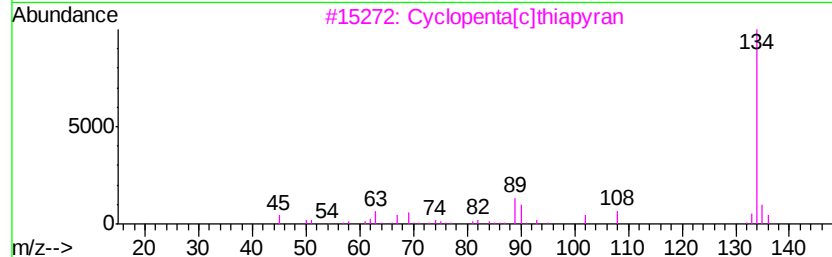
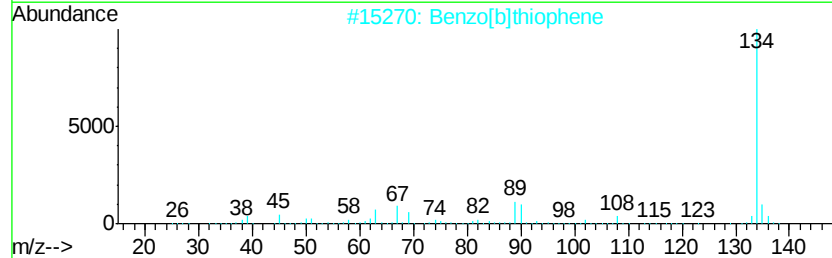
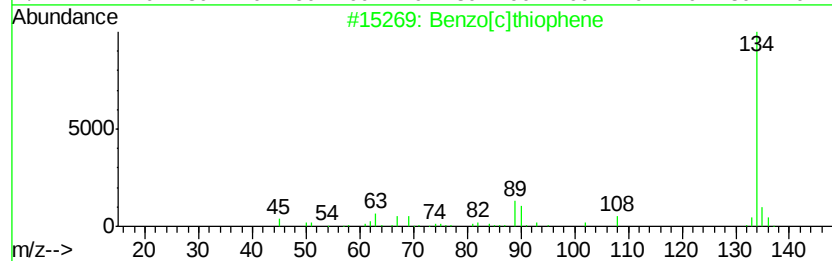
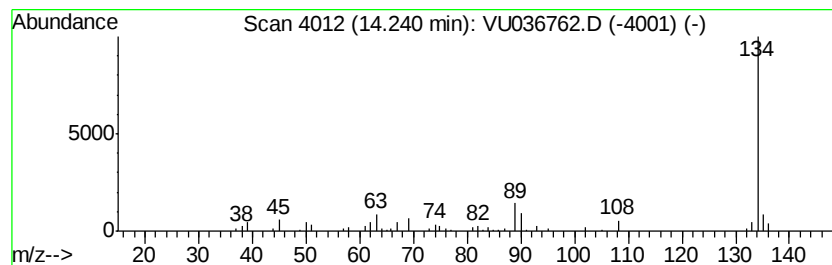
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 6 Benzo[c]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	0.63 ug/L	47408	1,4-Dichlorobenzene-d4	11.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	87



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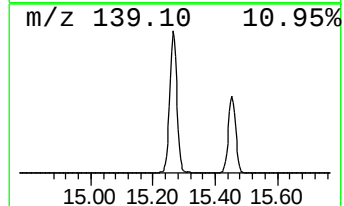
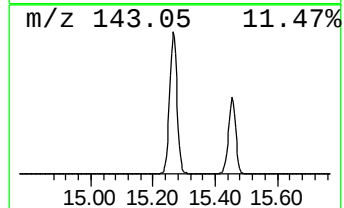
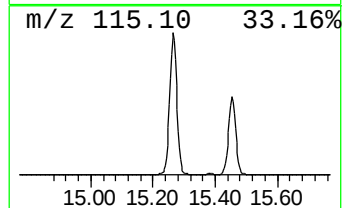
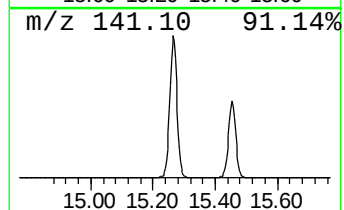
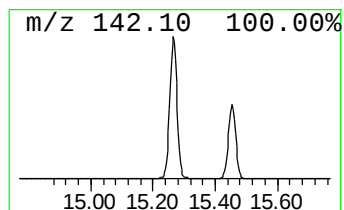
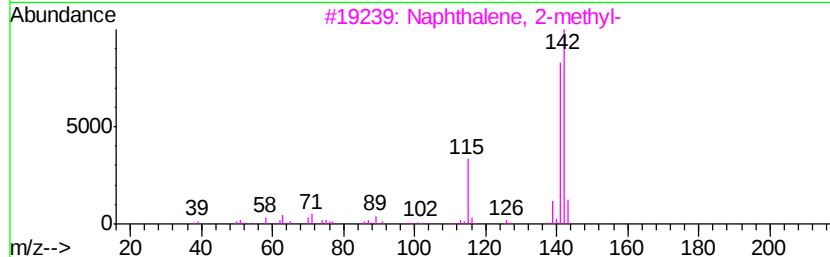
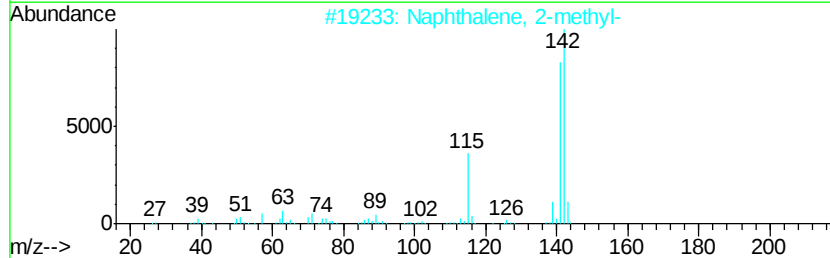
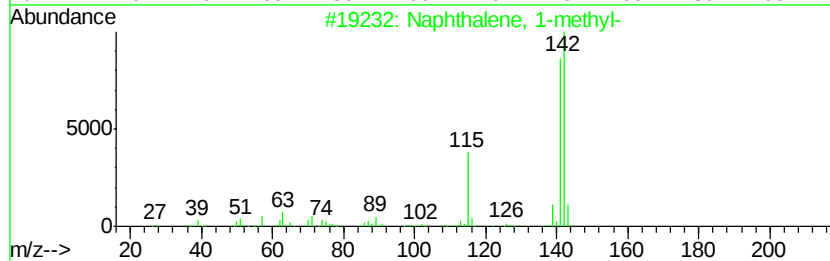
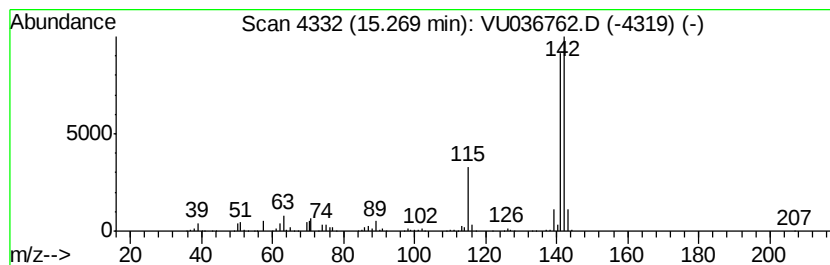
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	12.95 ug/L	977293	1,4-Dichlorobenzene-d4	11.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



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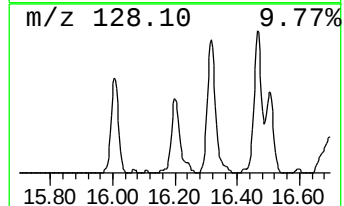
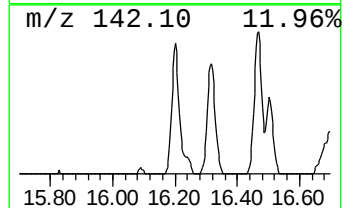
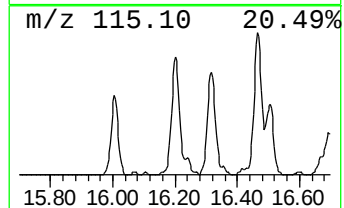
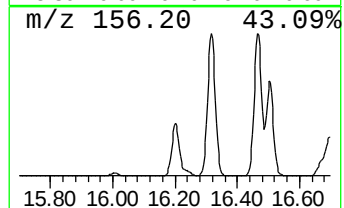
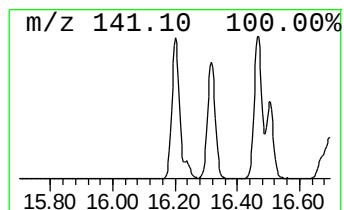
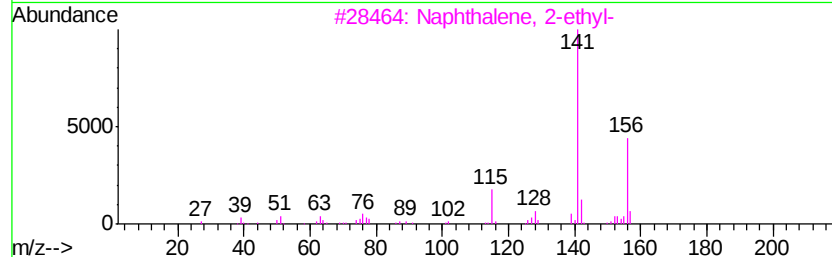
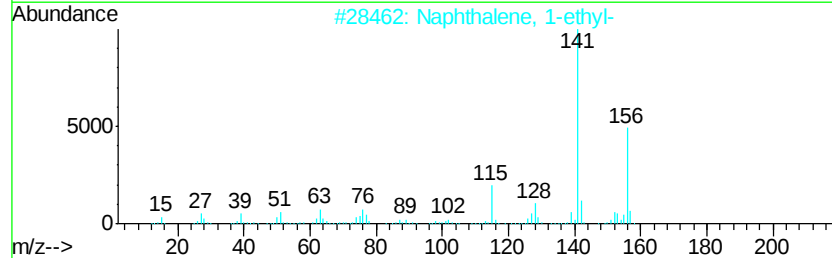
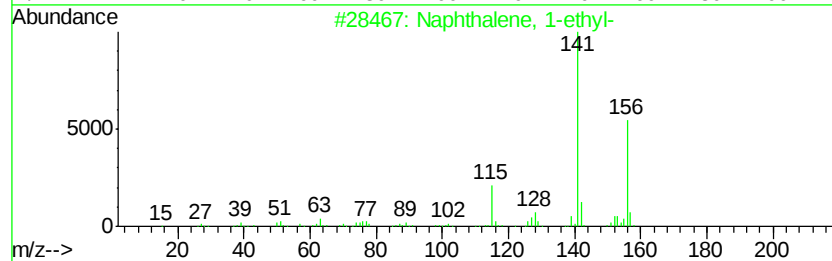
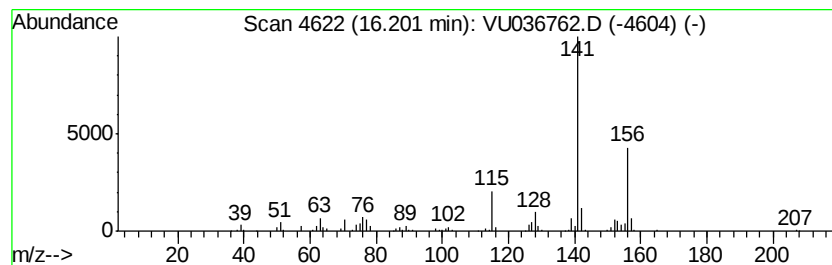
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.50 ug/L	189023	1,4-Dichlorobenzene-d4	11.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036762.D
Acq On : 12 Feb 2020 20:06
Operator : JC/MD
Sample : L1487-18
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

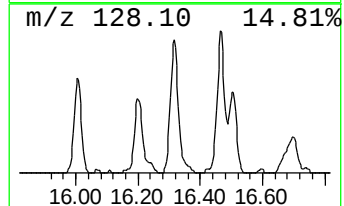
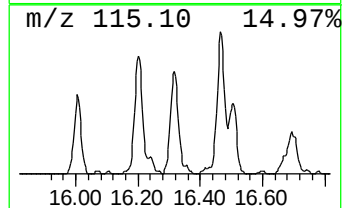
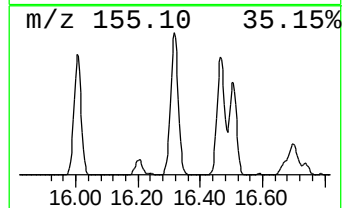
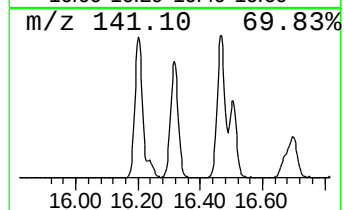
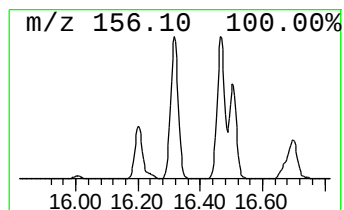
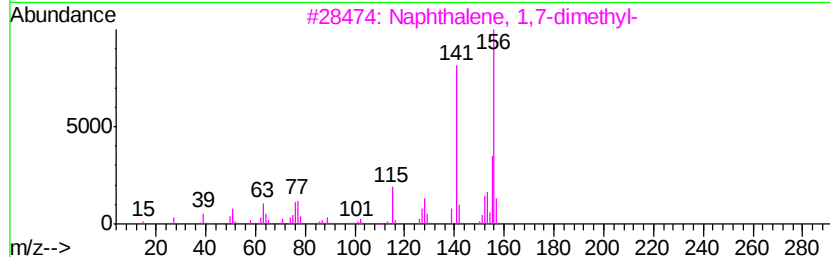
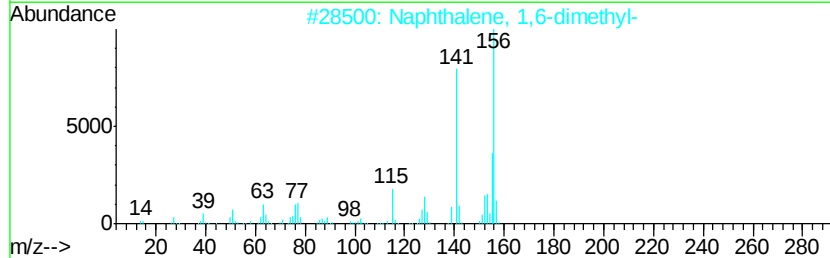
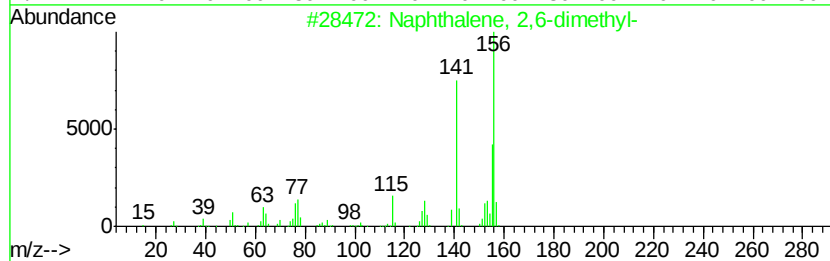
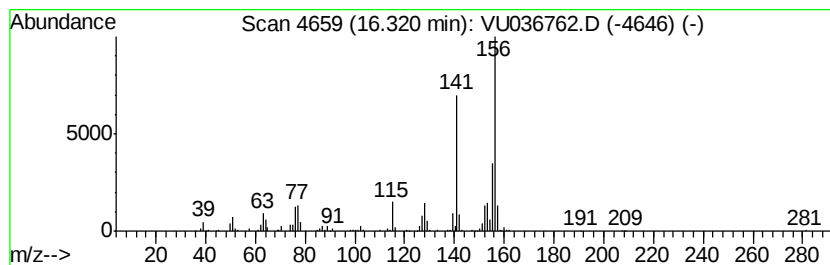
Instrument :
MSVOA_U
ClientSampleId :
DBCW7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	4.26 ug/L	321253	1,4-Dichlorobenzene-d4	11.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 98
4		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
5		Naphthalene, 1,8-dimethyl-	156 C12H12	000569-41-5 98



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036762.D
Acq On : 12 Feb 2020 20:06
Operator : JC/MD
Sample : L1487-18
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

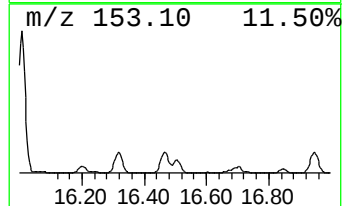
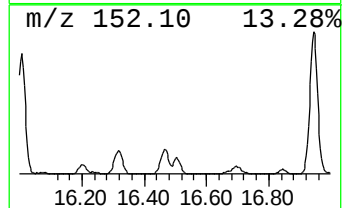
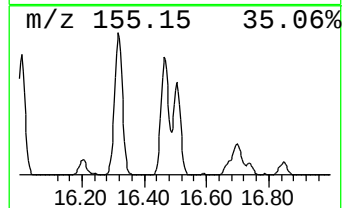
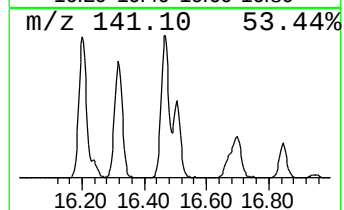
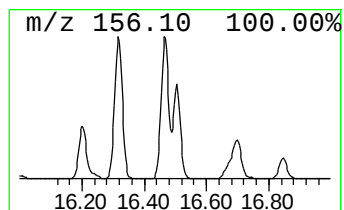
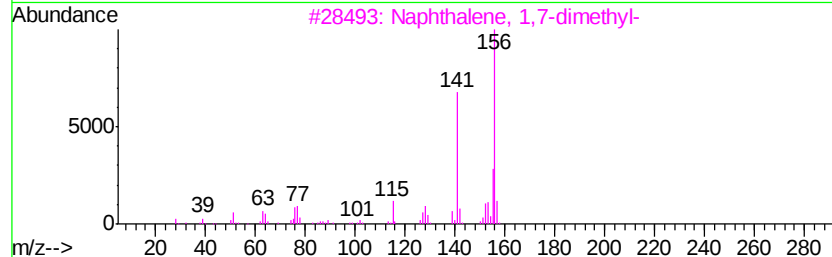
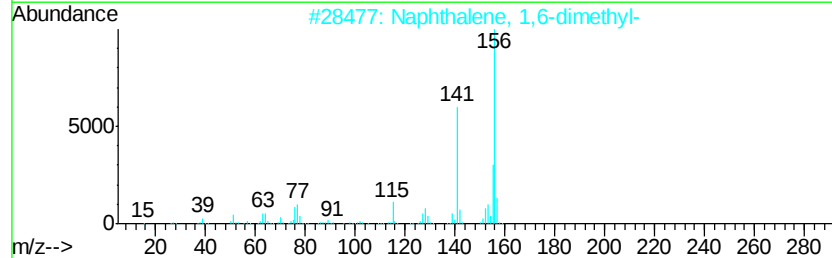
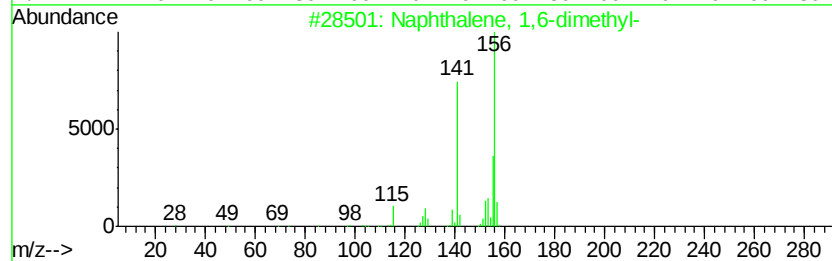
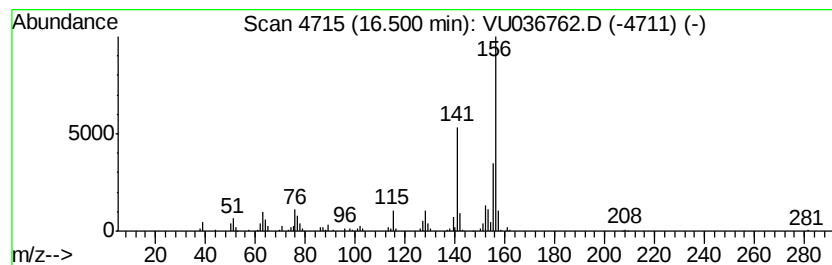
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 13 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.38 ug/L	179474	1,4-Dichlorobenzene-d4	11.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036762.D
Acq On : 12 Feb 2020 20:06
Operator : JC/MD
Sample : L1487-18
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

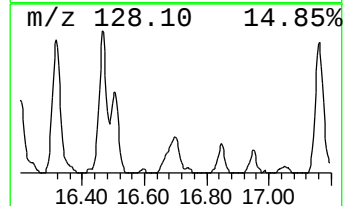
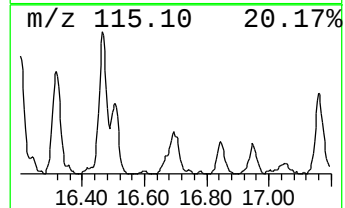
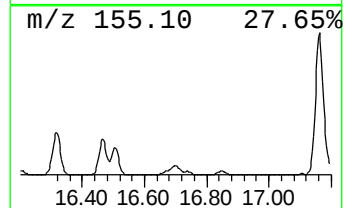
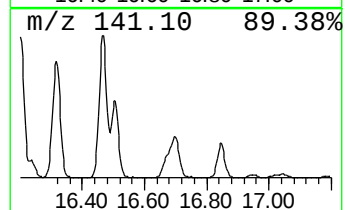
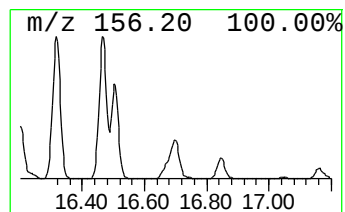
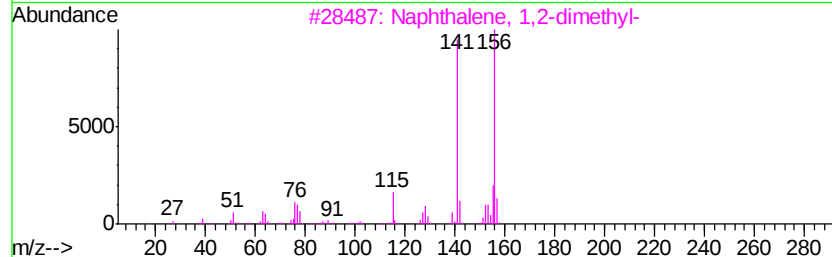
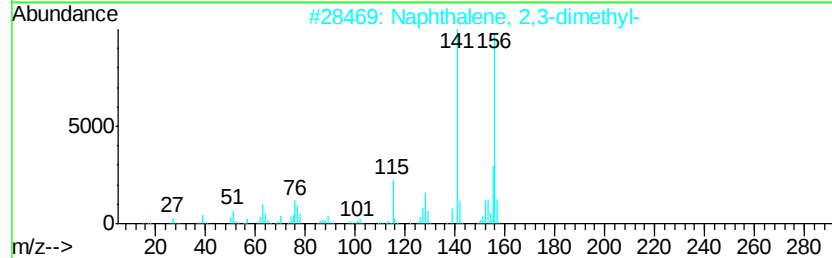
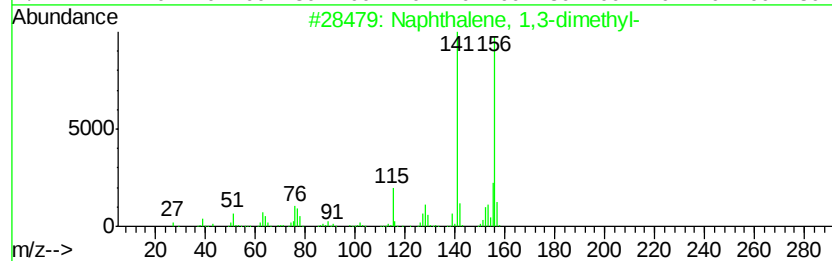
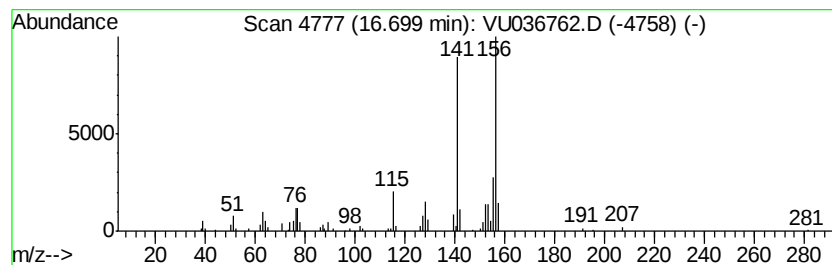
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	1.76 ug/L	132507	1,4-Dichlorobenzene-d4	11.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	98
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036762.D
Acq On : 12 Feb 2020 20:06
Operator : JC/MD
Sample : L1487-18
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

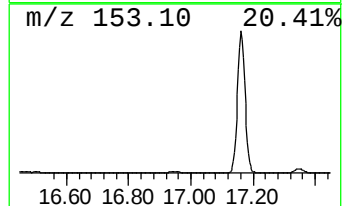
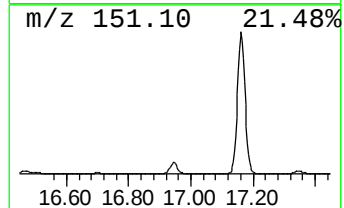
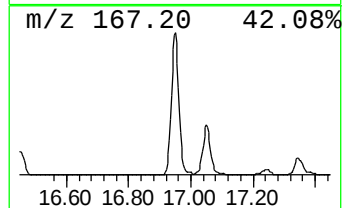
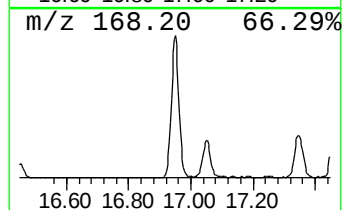
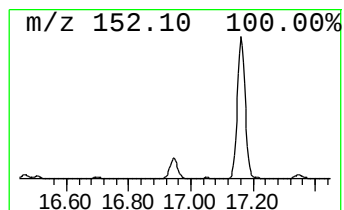
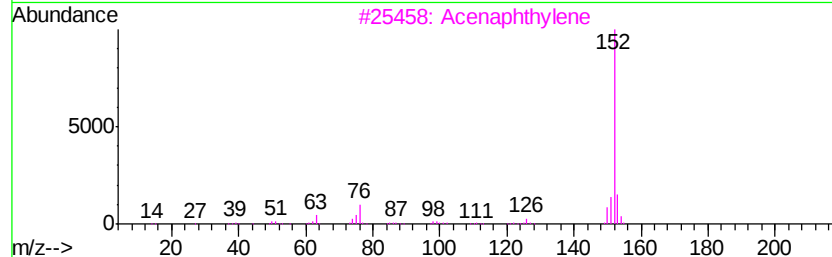
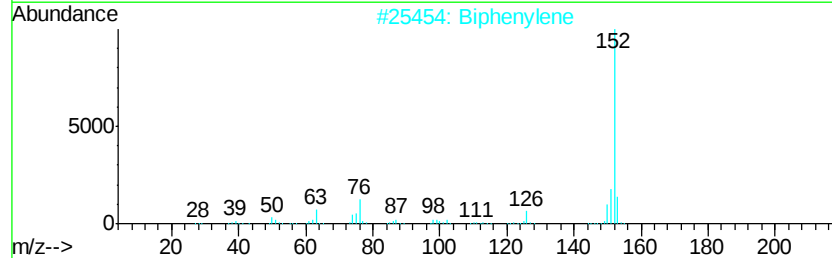
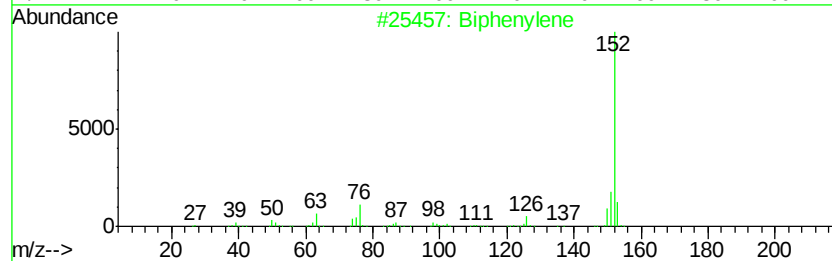
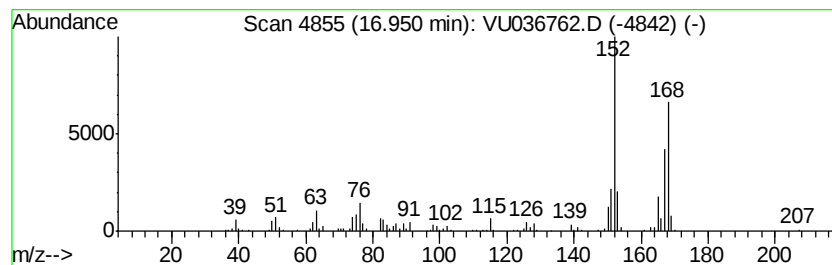
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 16 Biphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	3.01 ug/L	227109	1,4-Dichlorobenzene-d4	11.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene		152	C12H8	000259-79-0	60
2	Biphenylene		152	C12H8	000259-79-0	60
3	Acenaphthylene		152	C12H8	000208-96-8	49
4	1,1'-Biphenyl, 4-methyl-		168	C13H12	000644-08-6	46
5	Acenaphthylene		152	C12H8	000208-96-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036762.D
Acq On : 12 Feb 2020 20:06
Operator : JC/MD
Sample : L1487-18
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCW7

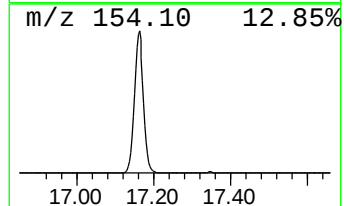
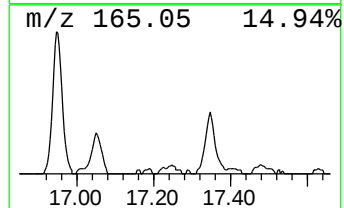
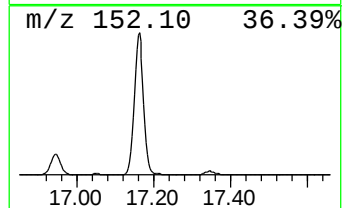
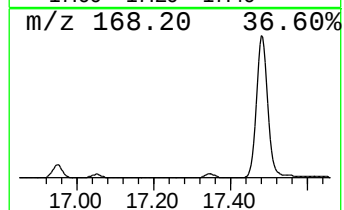
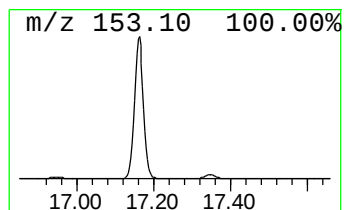
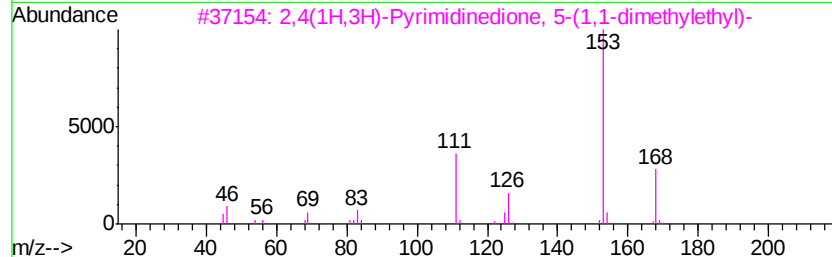
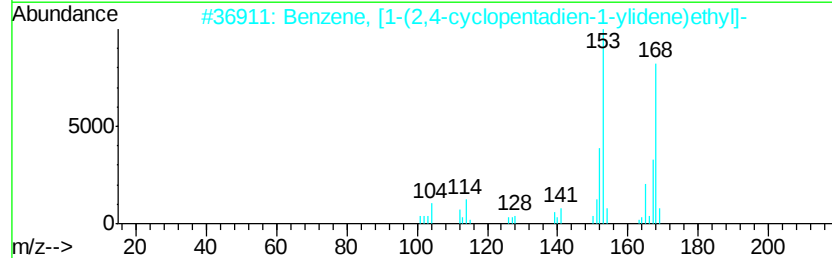
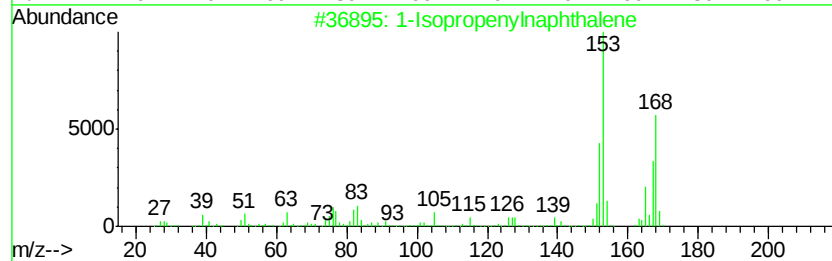
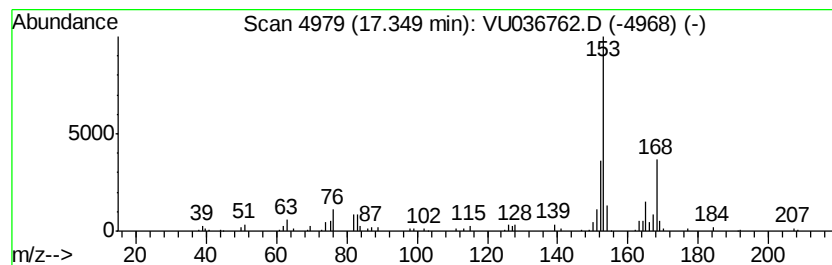
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 18 1-Isopropenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	1.14 ug/L	86215	1,4-Dichlorobenzene-d4	11.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3			2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	53
4			Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
5			Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
 Data File : VU036762.D
 Acq On : 12 Feb 2020 20:06
 Operator : JC/MD
 Sample : L1487-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBCW7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.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
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Indene	12.33	1.1	ug/L	84363	3	11.83	377476	5.0
Benzo[c]thiophene	14.24	0.6	ug/L	47408	3	11.83	377476	5.0
Naphthalene, 1-me...	15.27	12.9	ug/L	977293	3	11.83	377476	5.0
Naphthalene, 1-et...	16.20	2.5	ug/L	189023	3	11.83	377476	5.0
Naphthalene, 2,6-...	16.32	4.3	ug/L	321253	3	11.83	377476	5.0
Naphthalene, 1,6-...	16.50	2.4	ug/L	179474	3	11.83	377476	5.0
Naphthalene, 1,3-...	16.70	1.8	ug/L	132507	3	11.83	377476	5.0
Biphenylene	16.95	3.0	ug/L	227109	3	11.83	377476	5.0
1-Isopropenyl naph...	17.35	1.1	ug/L	86215	3	11.83	377476	5.0