

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041318.D
 Acq On : 18 Nov 2020 17:50
 Operator : SY/MD
 Sample : L4790-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4386

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\SOMUTR111620WMA.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	1.363	3	7	19	rVB2	16361	17831	5.31%	0.599%
2	1.607	52	83	92	rBV4	104956	258604	76.94%	8.684%
3	1.922	175	181	190	rVB	30090	38476	11.45%	1.292%
4	2.417	329	335	344	rVB7	2300	3608	1.07%	0.121%
5	2.478	347	354	370	rVB4	3282	5462	1.63%	0.183%
6	2.578	373	385	400	rBV	55398	91283	27.16%	3.065%
7	2.697	413	422	431	rVB2	4302	7454	2.22%	0.250%
8	2.806	445	456	466	rBV	13900	24043	7.15%	0.807%
9	3.366	618	630	646	rVB3	12746	24838	7.39%	0.834%
10	4.662	1015	1033	1061	rBV2	32636	134312	39.96%	4.510%
11	5.080	1148	1163	1179	rVB2	53807	116502	34.66%	3.912%
12	5.739	1347	1368	1394	rBV2	96455	262659	78.15%	8.820%
13	6.260	1516	1530	1552	rBV	81971	152276	45.31%	5.114%
14	6.700	1655	1667	1682	rVB3	62245	121871	36.26%	4.092%
15	7.571	1927	1938	1953	rBV	30123	50874	15.14%	1.708%
16	7.906	2023	2042	2056	rBV	103765	179544	53.42%	6.029%
17	8.182	2118	2128	2143	rBV2	19762	33711	10.03%	1.132%
18	8.639	2258	2270	2305	rBV	156477	336096	100.00%	11.286%
19	8.790	2308	2317	2329	rVB3	4927	8579	2.55%	0.288%
20	9.420	2501	2513	2535	rBV	122569	204524	60.85%	6.868%
21	9.571	2550	2560	2567	rBV3	2854	3954	1.18%	0.133%
22	9.697	2591	2599	2609	rVB3	5020	7412	2.21%	0.249%
23	10.755	2918	2928	2944	rVB	51947	85230	25.36%	2.862%
24	10.890	2962	2970	2980	rVB4	2339	3666	1.09%	0.123%
25	11.809	3243	3256	3270	rVB	104096	164229	48.86%	5.515%
26	12.189	3361	3374	3388	rBV	110807	178181	53.01%	5.983%
27	14.179	3983	3993	4004	rBV2	23471	34976	10.41%	1.175%
28	14.275	4013	4023	4035	rVB2	25795	39594	11.78%	1.330%
29	14.677	4133	4148	4161	rBV6	9676	21420	6.37%	0.719%
30	14.796	4176	4185	4194	rBV3	10899	16570	4.93%	0.556%
31	14.867	4197	4207	4218	rVV6	14145	24381	7.25%	0.819%
32	14.928	4219	4226	4235	rVB5	3218	4520	1.34%	0.152%
33	15.008	4239	4251	4260	rBV6	7932	13208	3.93%	0.444%
34	15.070	4263	4270	4284	rBV5	2435	4395	1.31%	0.148%

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 Title : TRACE VOA SOM01.0

35	15.185	4294	4306	4320	rBV7	24675	55495	16.51%	1.864%
36	15.259	4320	4329	4339	rVB3	29730	50211	14.94%	1.686%
37	15.336	4344	4353	4362	rBV5	8055	12474	3.71%	0.419%
38	15.410	4362	4376	4381	rBV8	3381	6717	2.00%	0.226%
39	15.452	4381	4389	4395	rBV6	8763	13810	4.11%	0.464%
40	15.491	4395	4401	4414	rVB5	12292	18619	5.54%	0.625%
41	15.568	4414	4425	4427	rBV6	7018	10220	3.04%	0.343%
42	15.668	4451	4456	4463	rVB5	3224	4679	1.39%	0.157%
43	15.732	4466	4476	4477	rBV6	3594	4843	1.44%	0.163%
44	15.912	4517	4532	4547	rVB5	20410	41779	12.43%	1.403%
45	15.992	4547	4557	4575	rVB8	8912	17820	5.30%	0.598%
46	16.076	4575	4583	4592	rVB7	3698	5728	1.70%	0.192%
47	16.134	4592	4601	4609	rBV6	7040	11970	3.56%	0.402%
48	16.250	4631	4637	4644	rBV8	6865	9552	2.84%	0.321%
49	16.298	4645	4652	4663	rVV6	8106	15309	4.55%	0.514%
50	16.346	4663	4667	4674	rVV8	3277	4605	1.37%	0.155%
51	16.391	4674	4681	4690	rVV7	5488	10196	3.03%	0.342%
52	16.439	4690	4696	4708	rVB9	5621	9601	2.86%	0.322%

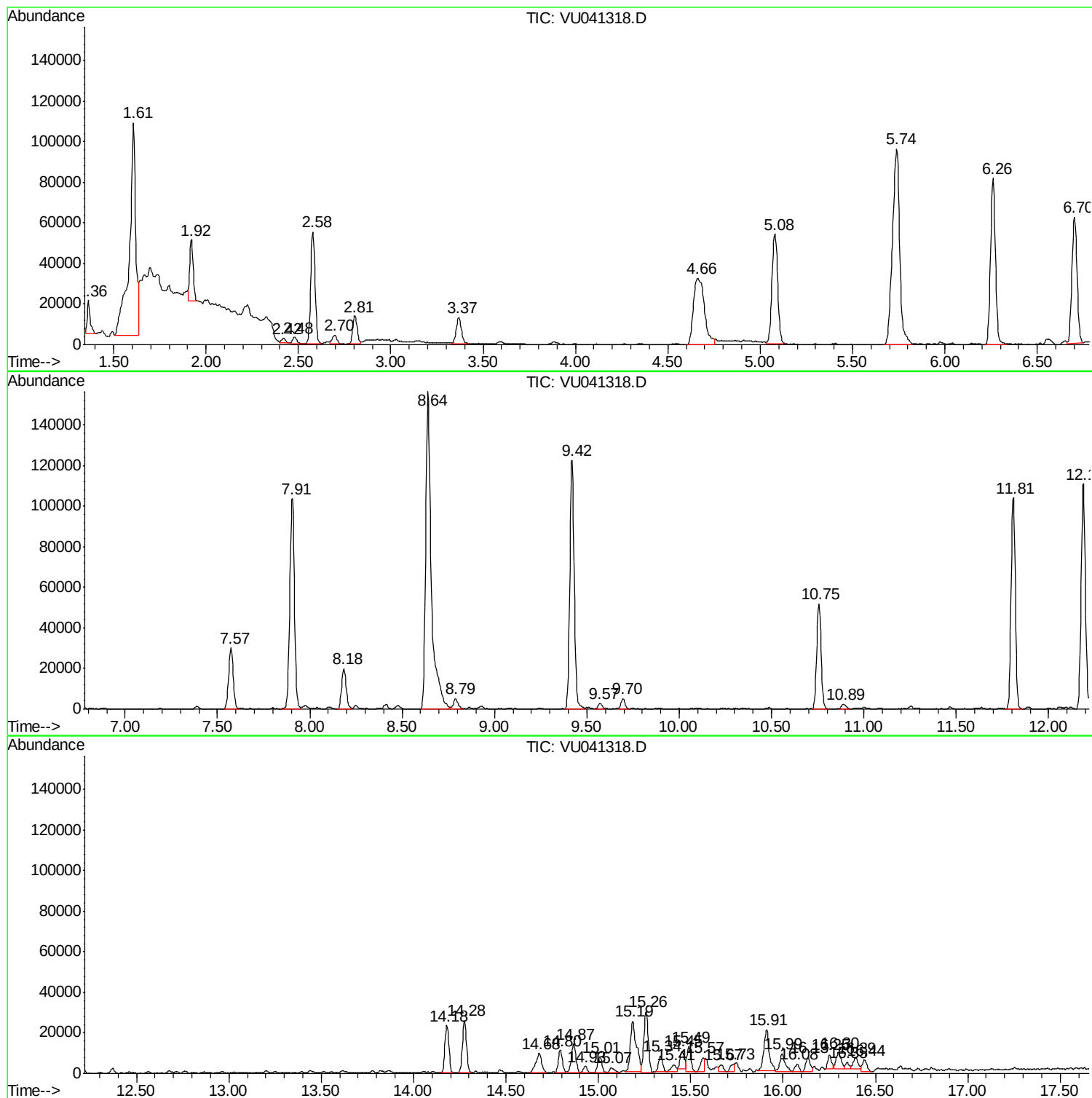
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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



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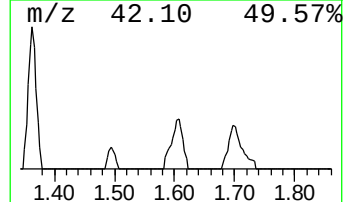
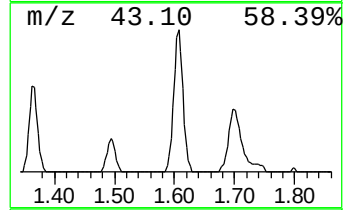
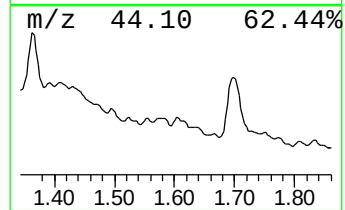
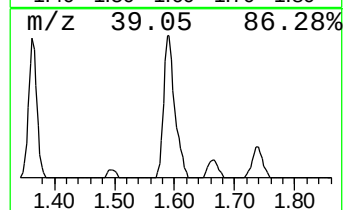
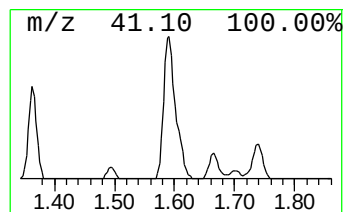
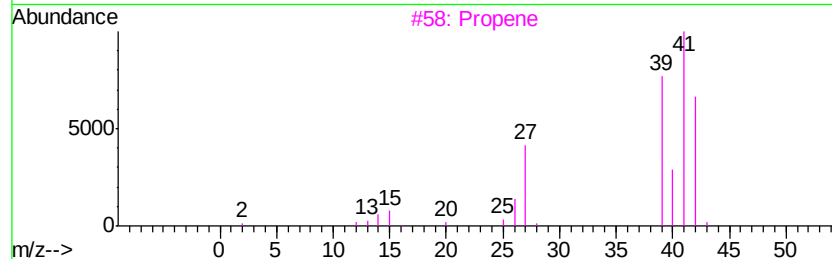
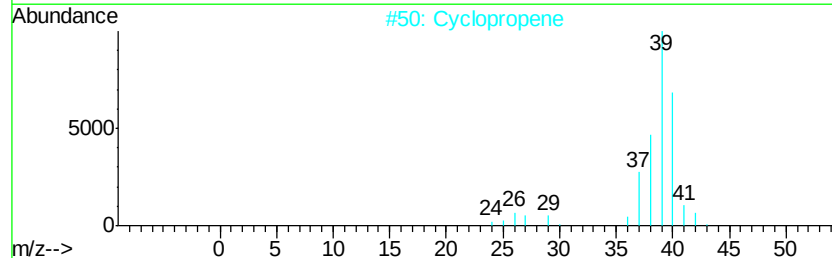
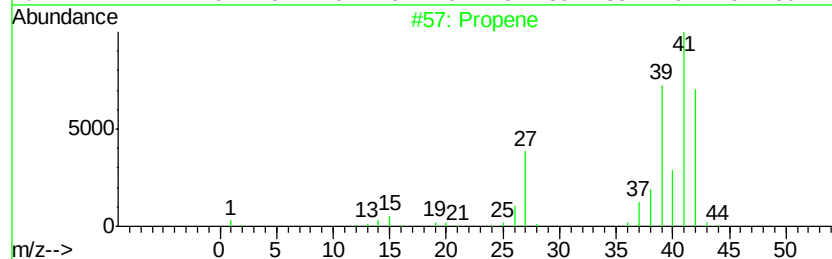
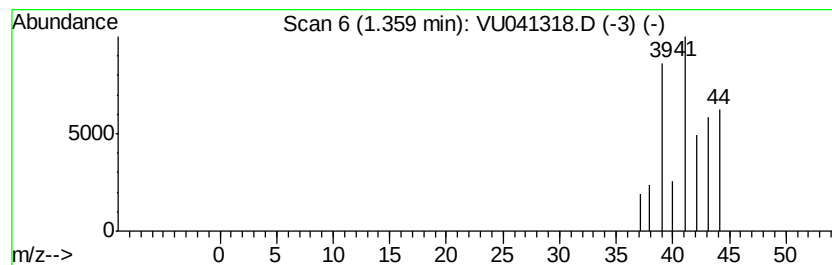
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.36	0.59 ug/L	17831	1,4-Difluorobenzene	6.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propene	42	C3H6	000115-07-1	9
2		Cyclopropene	40	C3H4	002781-85-3	4
3		Propene	42	C3H6	000115-07-1	4
4		Propane	44	C3H8	000074-98-6	4
5		Propane	44	C3H8	000074-98-6	3



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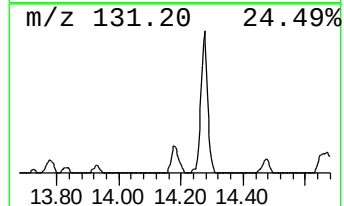
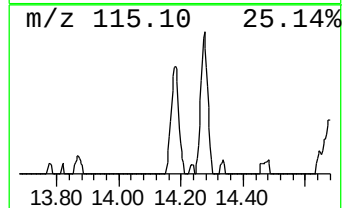
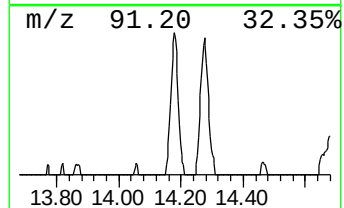
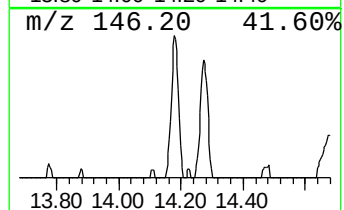
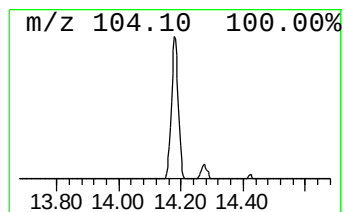
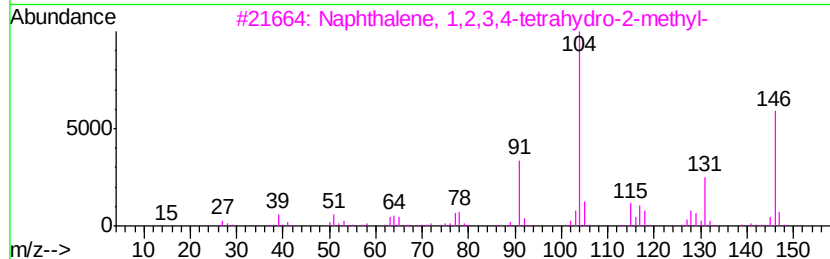
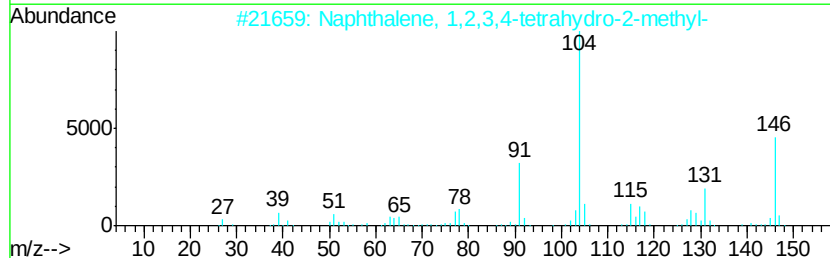
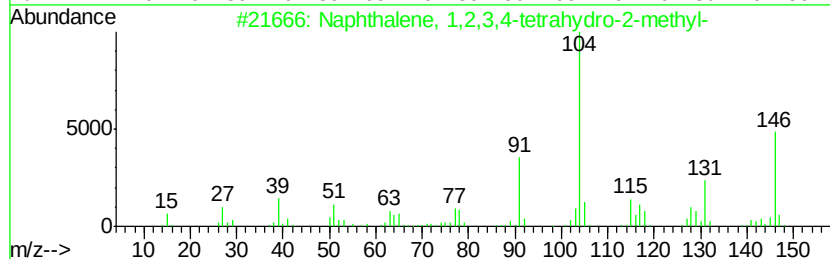
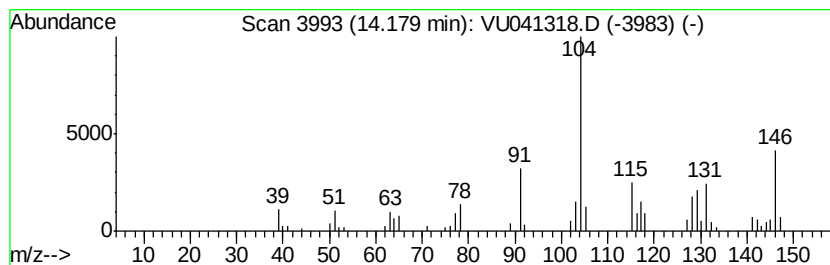
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 Naphthalene, 1,2,3,4-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	1.06 ug/L	34976	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	70
5		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58



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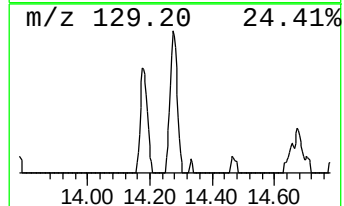
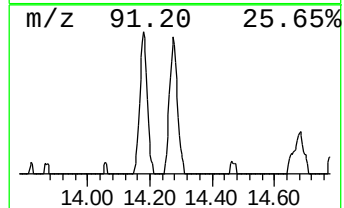
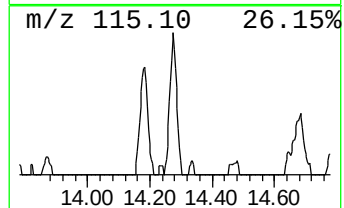
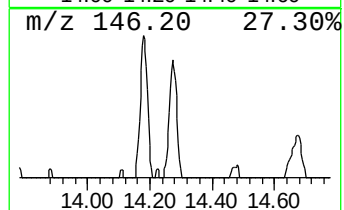
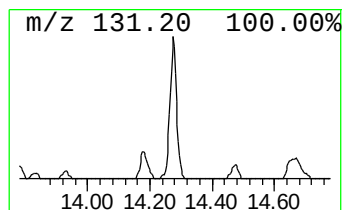
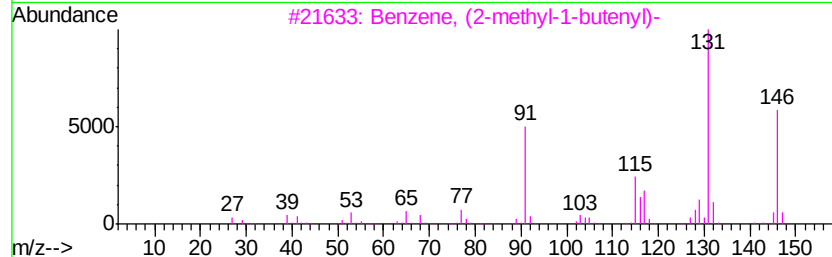
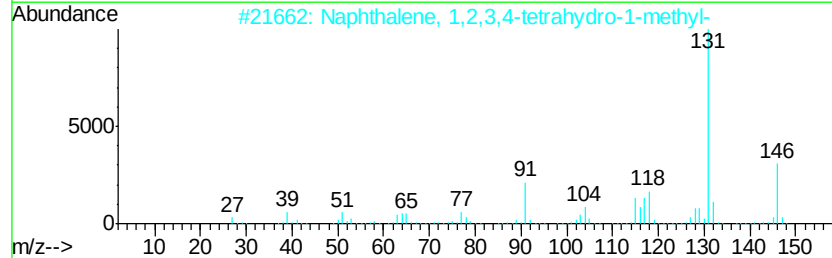
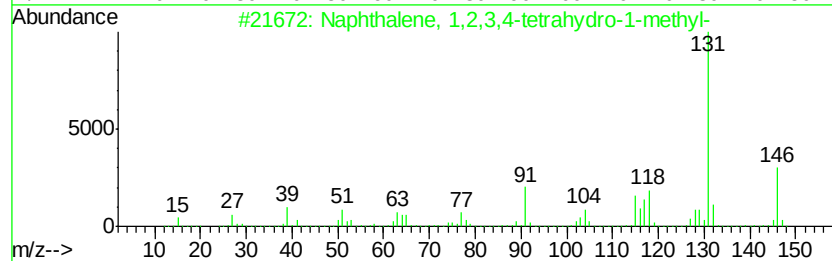
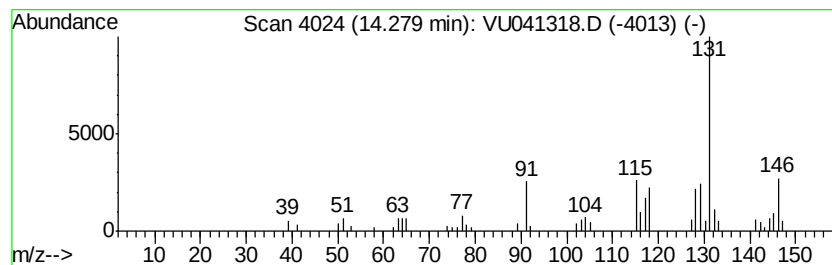
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	1.21 ug/L	39594	1,4-Dichlorobenzene-d4	11.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
3		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74



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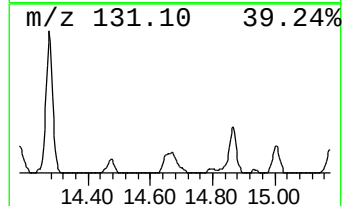
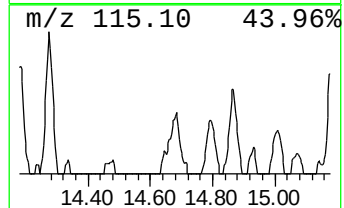
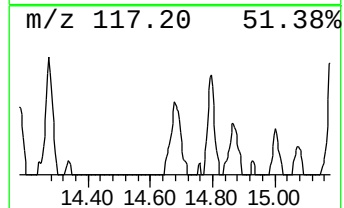
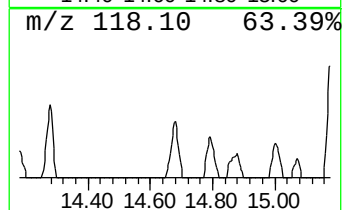
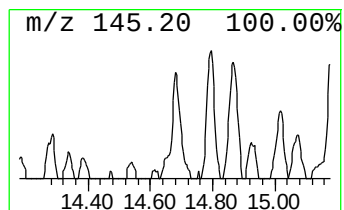
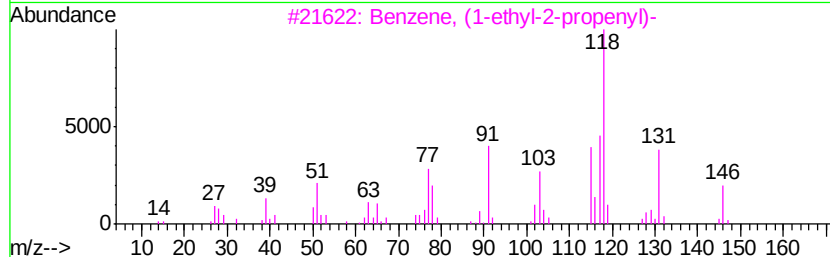
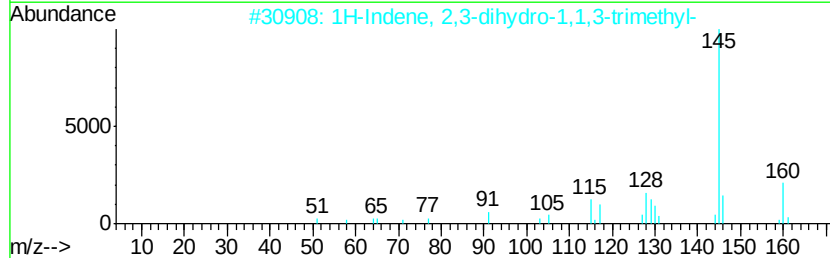
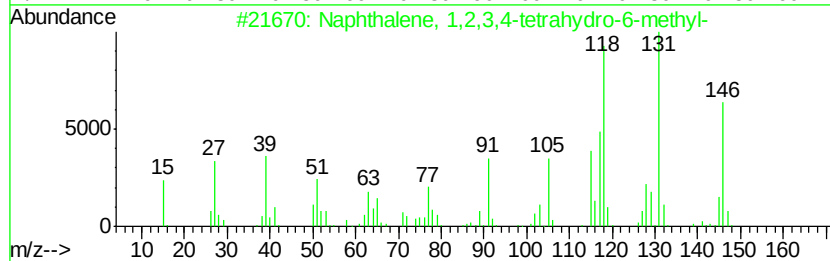
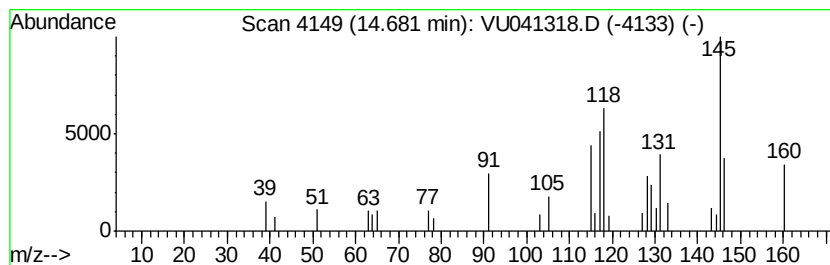
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.65 ug/L	21420	1,4-Dichlorobenzene-d4	11.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 90
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 55
3		Benzene, (1-ethyl-2-propenyl)-	146 C11H14	019947-22-9 46
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 46
5		Benzene, 1-(1,1-dimethylethyl)-4...	160 C12H16	001746-23-2 45



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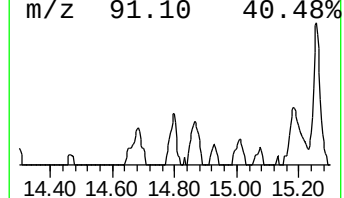
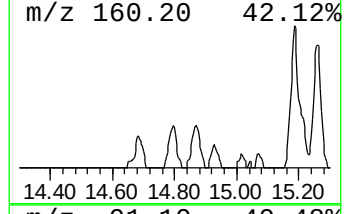
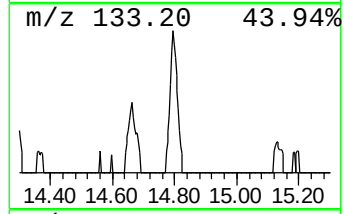
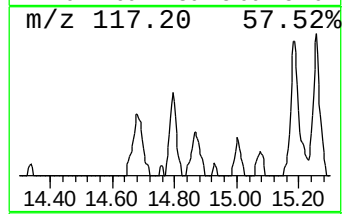
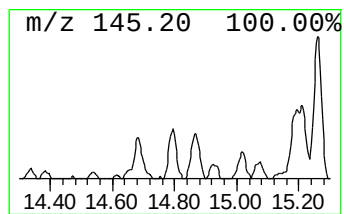
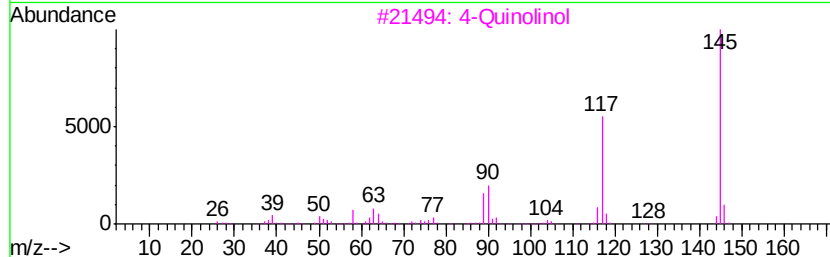
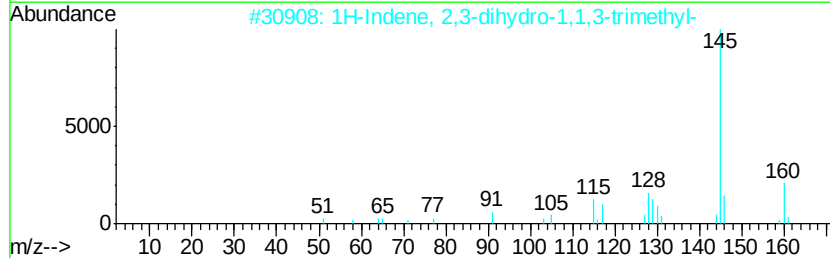
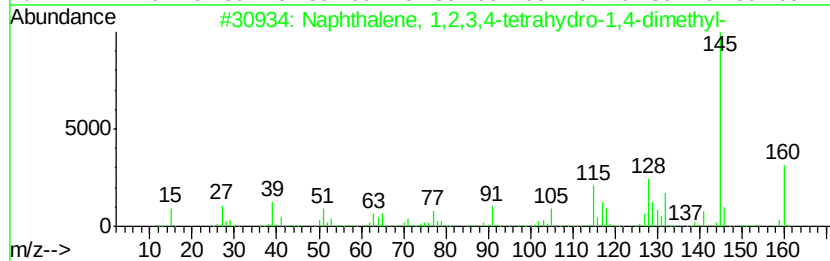
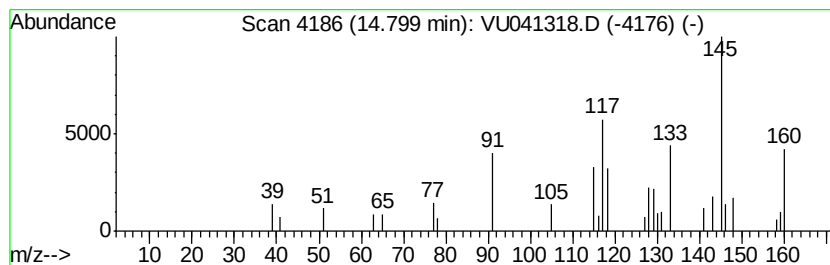
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MSVOA_U
ClientSampleId :
H4386

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 6 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.80	0.50 ug/L	16570	1,4-Dichlorobenzene-d4	11.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	58
3	4-Quinololinol	145	C9H7NO	000611-36-9	35
4	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	35
5	2(1H)-Quinolinsonone	145	C9H7NO	000059-31-4	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

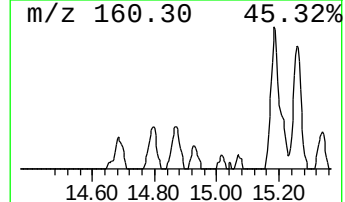
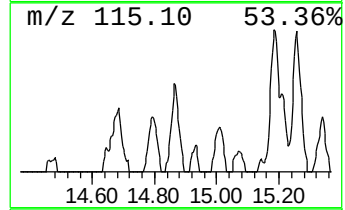
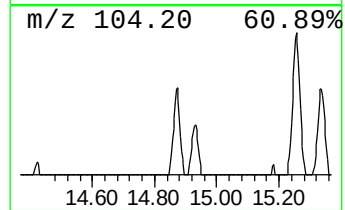
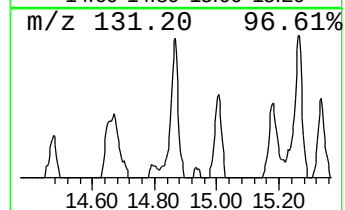
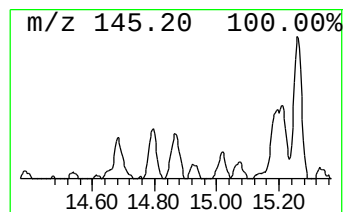
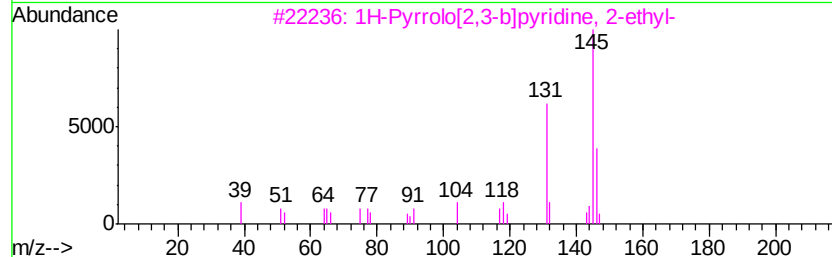
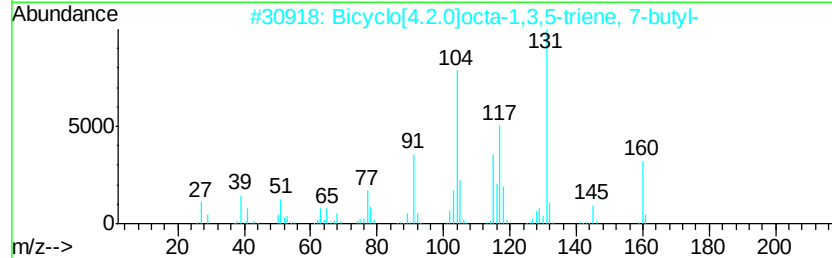
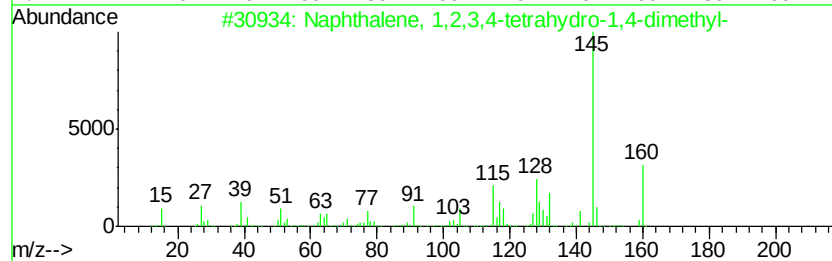
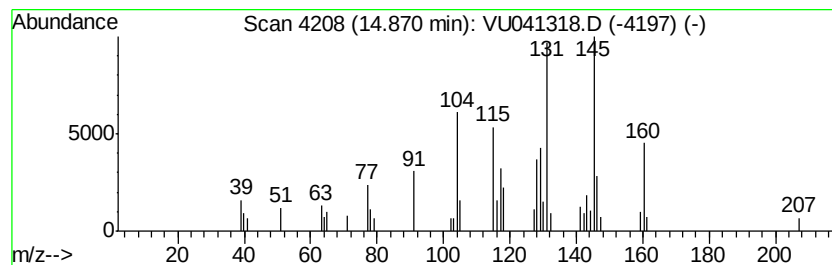
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	0.74 ug/L	24381	1,4-Dichlorobenzene-d4	11.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 60
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	160 C12H16	078920-29-3 49
3		1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146 C9H10N2	023612-49-9 46
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 38
5		1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160 C10H12N2	027257-18-7 35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

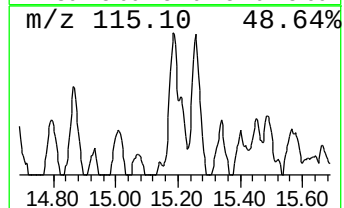
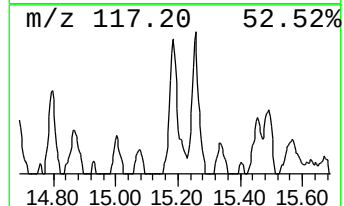
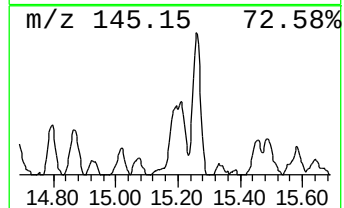
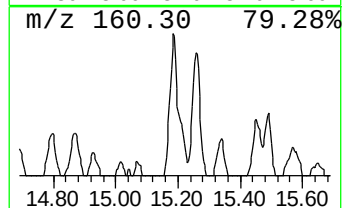
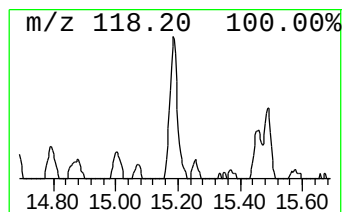
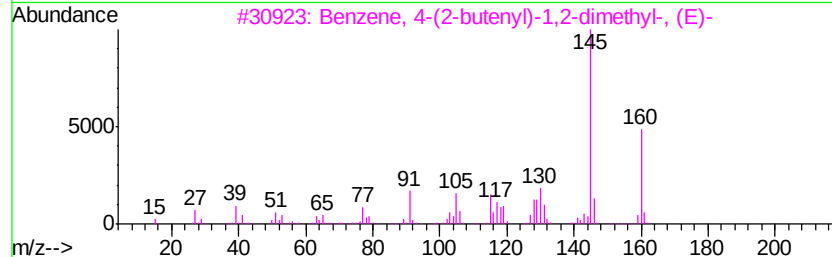
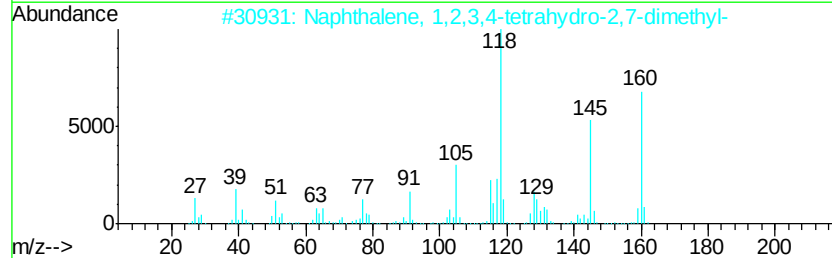
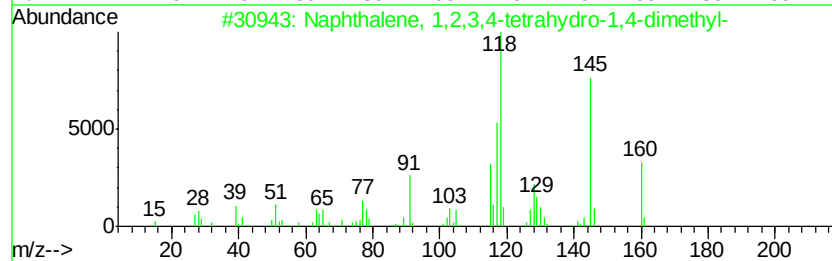
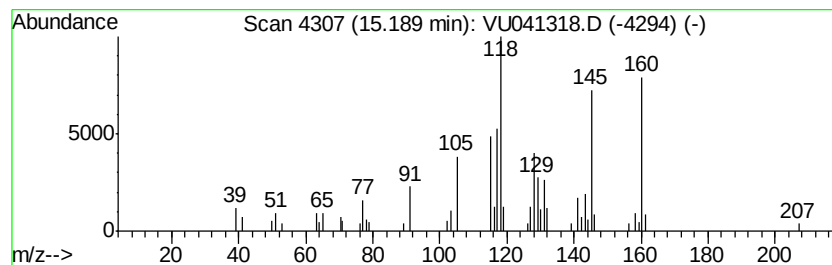
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	1.69 ug/L	55495	1,4-Dichlorobenzene-d4	11.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 81
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 70
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160 C12H16	054340-86-2 70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	007524-63-2 64
5		Dec-5-ene-3,7-diyne, 2,9-dimethyl-	160 C12H16	1000211-23-3 53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4386

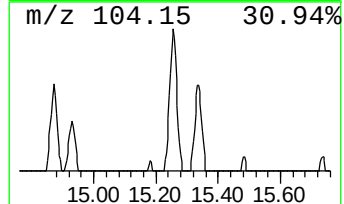
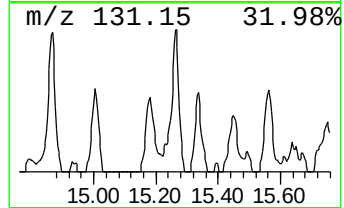
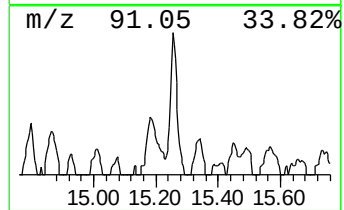
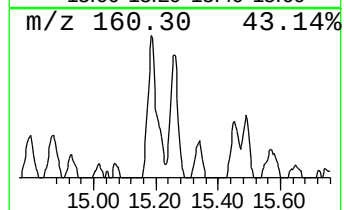
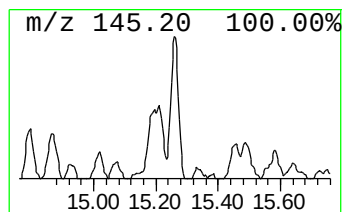
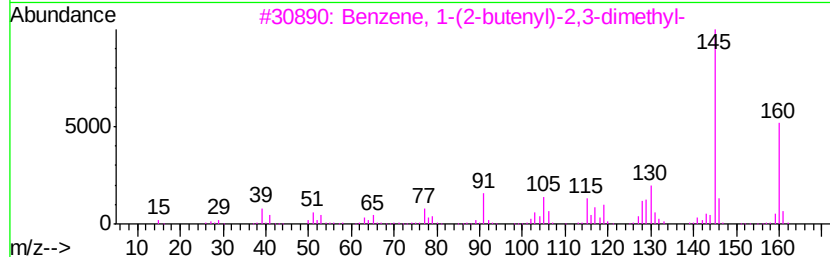
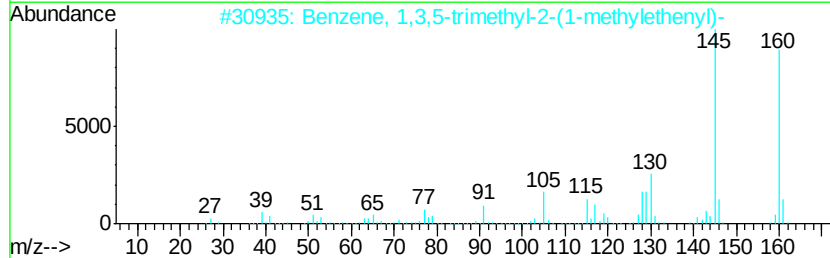
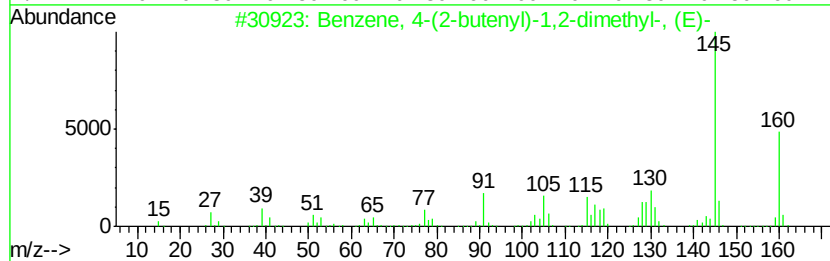
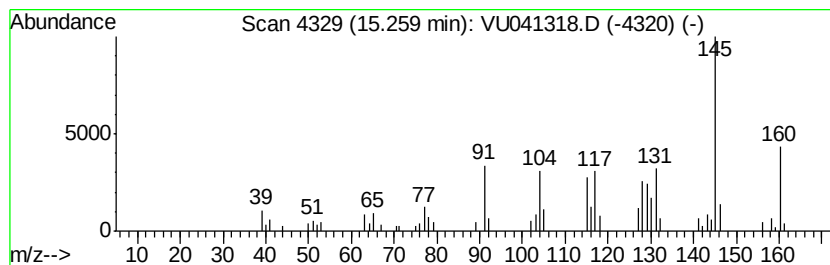
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	1.53 ug/L	50211	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	81
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	76
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	68
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	68
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4386

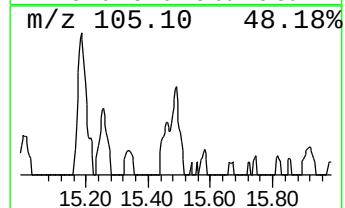
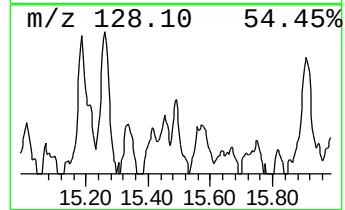
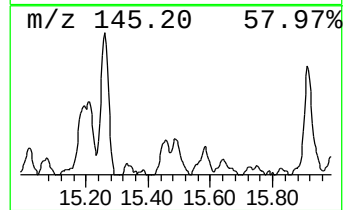
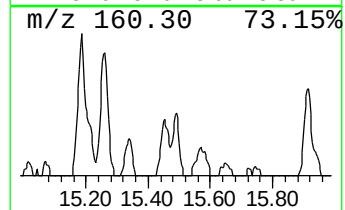
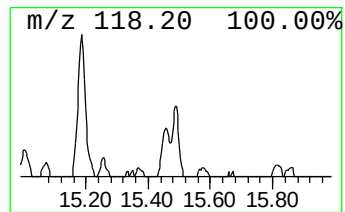
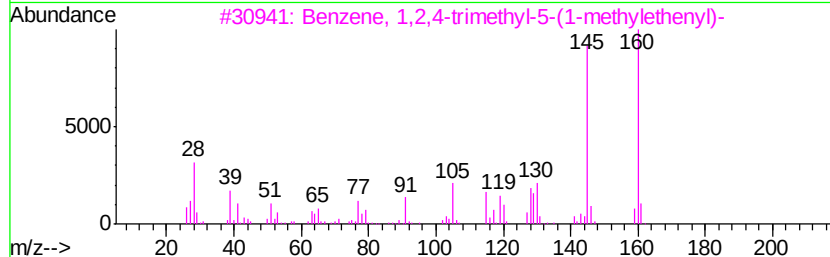
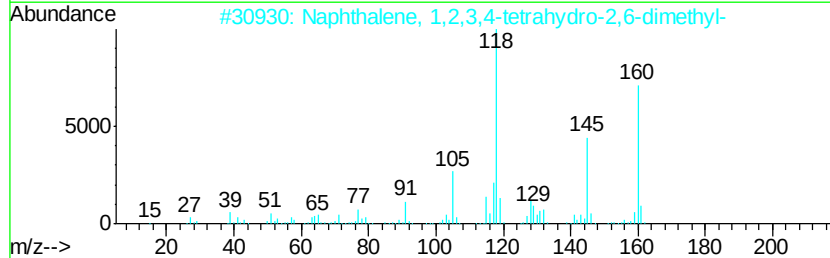
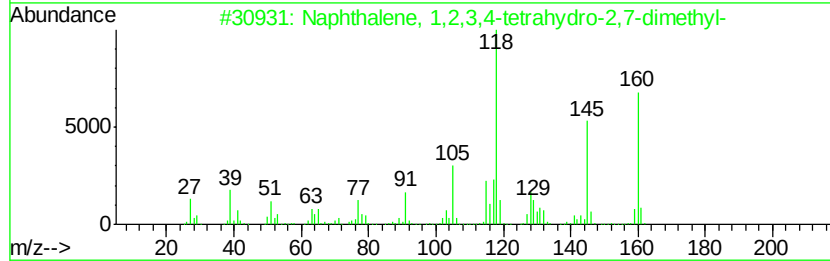
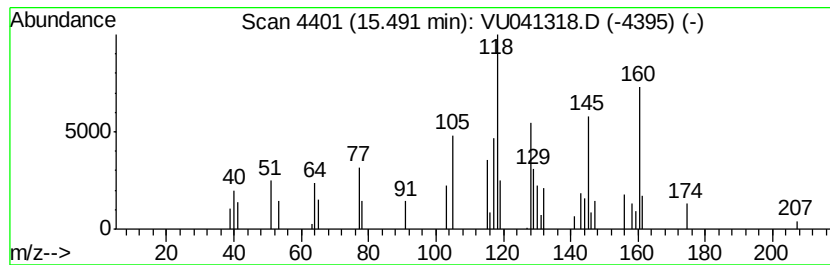
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Benzene, 1,2,4-trimethyl-5-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	0.57 ug/L	18619	1,4-Dichlorobenzene-d4	11.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	52
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	52
3			Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	50
4			1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	49
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	49



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4386

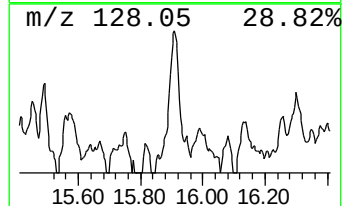
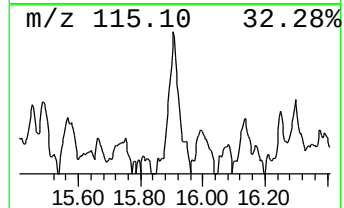
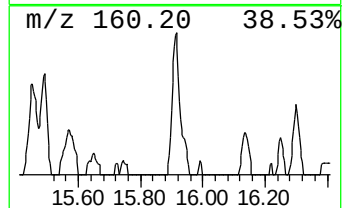
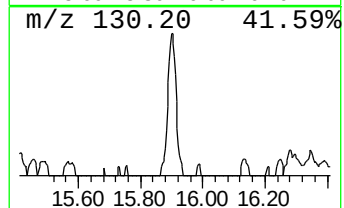
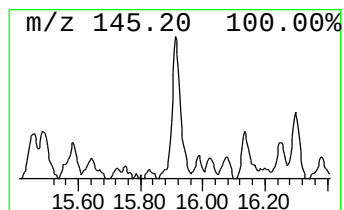
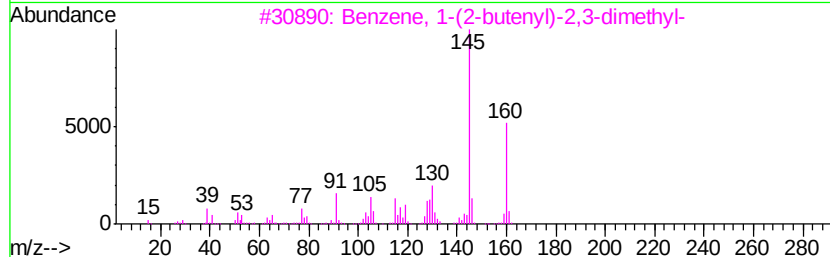
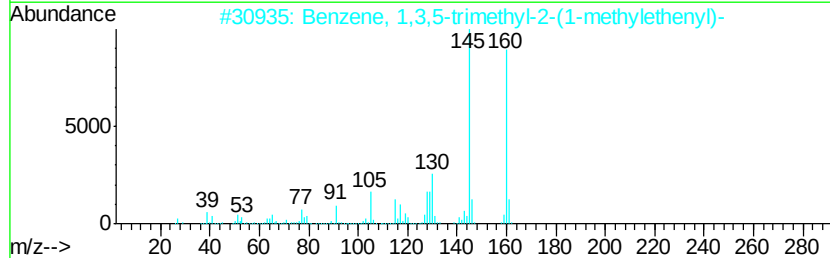
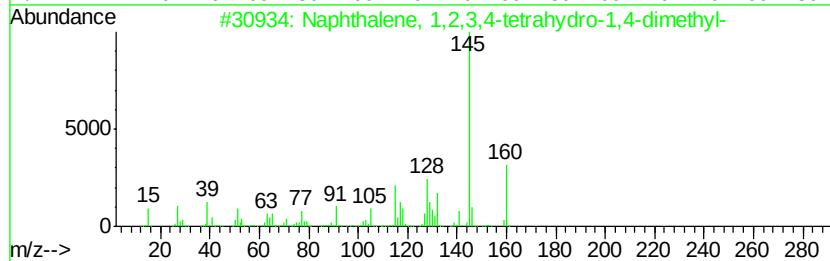
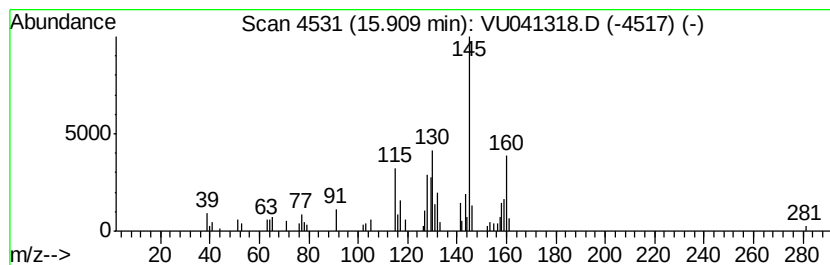
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	1.27 ug/L	41779	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	76
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
5		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

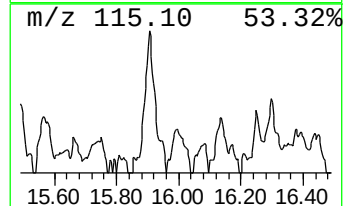
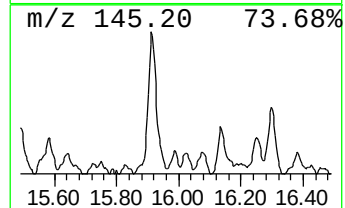
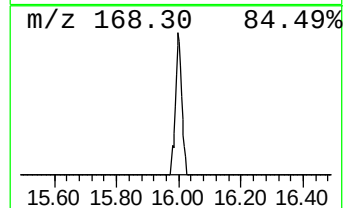
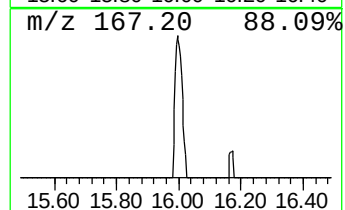
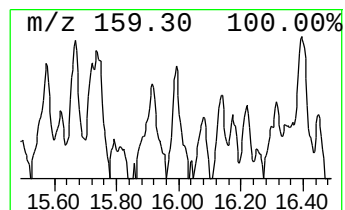
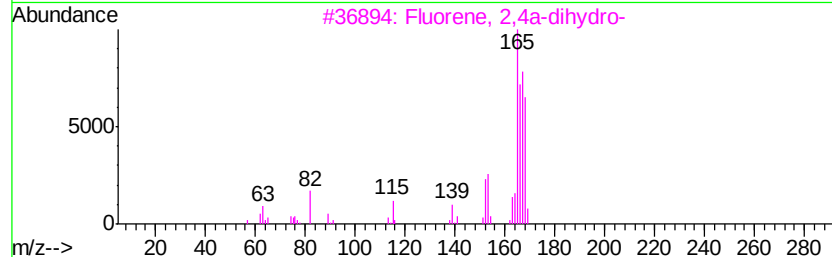
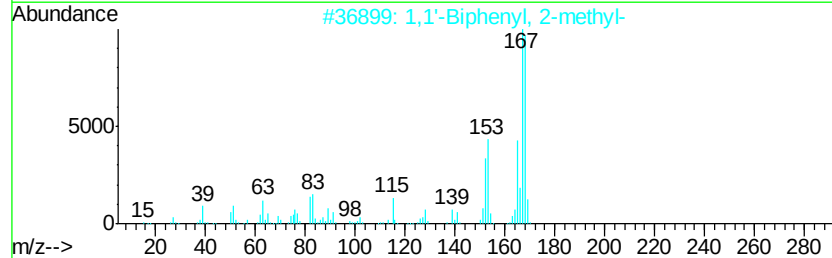
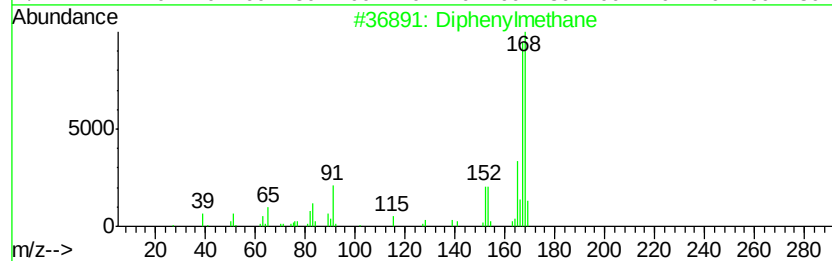
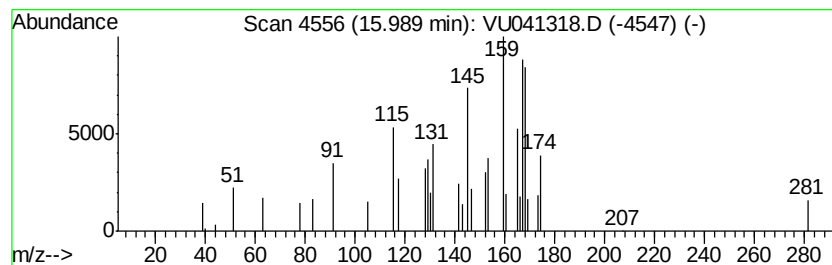
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MSVOA_U
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.99	0.54 ug/L	17820	1,4-Dichlorobenzene-d4	11.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	45
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	43
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	38
5	Nordiphenamid	225	C15H15NO	000954-21-2	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
 Data File : VU041318.D
 Acq On : 18 Nov 2020 17:50
 Operator : SY/MD
 Sample : L4790-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4386

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.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
(DEL) Alkane: Str...	1.36	0.6	ug/L	17831	1	6.26	152276	5.0
Naphthalene, 1,2,...	14.18	1.1	ug/L	34976	3	11.81	164229	5.0
Naphthalene, 1,2,...	14.28	1.2	ug/L	39594	3	11.81	164229	5.0
Naphthalene, 1,2,...	14.68	0.7	ug/L	21420	3	11.81	164229	5.0
Naphthalene, 1,2,...	14.80	0.5	ug/L	16570	3	11.81	164229	5.0
unknown-01	14.87	0.7	ug/L	24381	3	11.81	164229	5.0
Naphthalene, 1,2,...	15.19	1.7	ug/L	55495	3	11.81	164229	5.0
Benzene, 4-(2-but...	15.26	1.5	ug/L	50211	3	11.81	164229	5.0
Benzene, 1,2,4-tr...	15.49	0.6	ug/L	18619	3	11.81	164229	5.0
Benzene, 1,3,5-tr...	15.91	1.3	ug/L	41779	3	11.81	164229	5.0
unknown-02	15.99	0.5	ug/L	17820	3	11.81	164229	5.0