

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
 Data File : VV029882.D
 Acq On : 16 Jan 2023 17:35
 Operator : SY/MD
 Sample : 01168-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Z6

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_V\Method\SFAMVTR011223WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV029882.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.217	48	55	67	rVB	339429	307231	2.72%	0.578%
2	1.307	73	83	94	rBV3	194999	219418	1.94%	0.413%
3	2.114	322	334	349	rVB4	415150	683548	6.05%	1.286%
4	3.185	648	667	688	rBV	475625	994111	8.79%	1.870%
5	3.905	873	891	958	rBV	2542566	6297391	55.70%	11.843%
6	4.346	1011	1028	1070	rBV2	119442	318377	2.82%	0.599%
7	4.603	1087	1108	1152	rBV	576886	1460507	12.92%	2.747%
8	5.043	1228	1245	1263	rBV2	268821	685590	6.06%	1.289%
9	5.612	1410	1422	1455	rBV	195676	408472	3.61%	0.768%
10	5.908	1494	1514	1550	rBV	807190	1598692	14.14%	3.007%
11	6.066	1550	1563	1585	rVV	158524	328279	2.90%	0.617%
12	6.982	1835	1848	1874	rBV	70469	132876	1.18%	0.250%
13	7.310	1938	1950	1962	rBV	325065	570830	5.05%	1.074%
14	7.381	1962	1972	2005	rVB	805970	1398526	12.37%	2.630%
15	8.085	2181	2191	2221	rBV	353205	666910	5.90%	1.254%
16	8.844	2415	2427	2452	rBV	308701	505804	4.47%	0.951%
17	9.130	2502	2516	2537	rBV	140041	235418	2.08%	0.443%
18	9.535	2632	2642	2665	rVB	128824	220175	1.95%	0.414%
19	10.207	2841	2851	2868	rVB	130523	207871	1.84%	0.391%
20	10.529	2940	2951	2968	rVB	106245	158516	1.40%	0.298%
21	10.905	3056	3068	3082	rBV	187947	286304	2.53%	0.538%
22	11.159	3134	3147	3161	rBV2	88880	176768	1.56%	0.332%
23	11.236	3161	3171	3188	rVV	397041	621720	5.50%	1.169%
24	11.323	3188	3198	3211	rVB	114810	175853	1.56%	0.331%
25	11.516	3245	3258	3278	rBV	1113204	1783685	15.78%	3.355%
26	11.612	3278	3288	3307	rVB2	435428	842675	7.45%	1.585%
27	11.731	3313	3325	3341	rBV	1136433	1715515	15.17%	3.226%
28	12.004	3397	3410	3417	rBV	108373	175436	1.55%	0.330%
29	12.101	3429	3440	3451	rBV	205528	324423	2.87%	0.610%
30	12.345	3507	3516	3525	rBB	94795	143078	1.27%	0.269%
31	12.400	3525	3533	3540	rBV	102839	139459	1.23%	0.262%
32	12.451	3540	3549	3561	rBV	283652	458112	4.05%	0.862%
33	12.712	3620	3630	3646	rVB	230685	355310	3.14%	0.668%
34	12.869	3660	3679	3690	rBV2	355299	579447	5.12%	1.090%
35	13.033	3720	3730	3742	rBV3	200673	324235	2.87%	0.610%
36	13.487	3856	3871	3894	rBV	7289505	11306456	100.00%	21.264%

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Integrator: RTE

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Filtering: 5

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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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37	13.606	3897	3908	3918	rBV	295071	463567	4.10%	0.872%
38	13.895	3987	3998	4010	rBV	86217	141008	1.25%	0.265%
39	14.075	4045	4054	4066	rBV3	69154	135563	1.20%	0.255%
40	14.278	4106	4117	4130	rVB4	54005	116820	1.03%	0.220%
41	14.561	4194	4205	4211	rBV3	78729	131845	1.17%	0.248%
42	14.615	4211	4222	4250	rVB	2693288	4209056	37.23%	7.916%
43	14.802	4268	4280	4294	rBV	2496514	3845927	34.02%	7.233%
44	15.348	4438	4450	4463	rBV	661284	1055418	9.33%	1.985%
45	15.538	4491	4509	4517	rBV	369696	630831	5.58%	1.186%
46	15.651	4532	4544	4570	rVB	774932	1351687	11.96%	2.542%
47	15.795	4578	4589	4596	rBV	786294	1238121	10.95%	2.329%
48	15.834	4596	4601	4617	rVB	365136	546021	4.83%	1.027%
49	16.020	4641	4659	4669	rBV2	172892	431719	3.82%	0.812%
50	16.471	4787	4799	4821	rBV	1168959	2067497	18.29%	3.888%

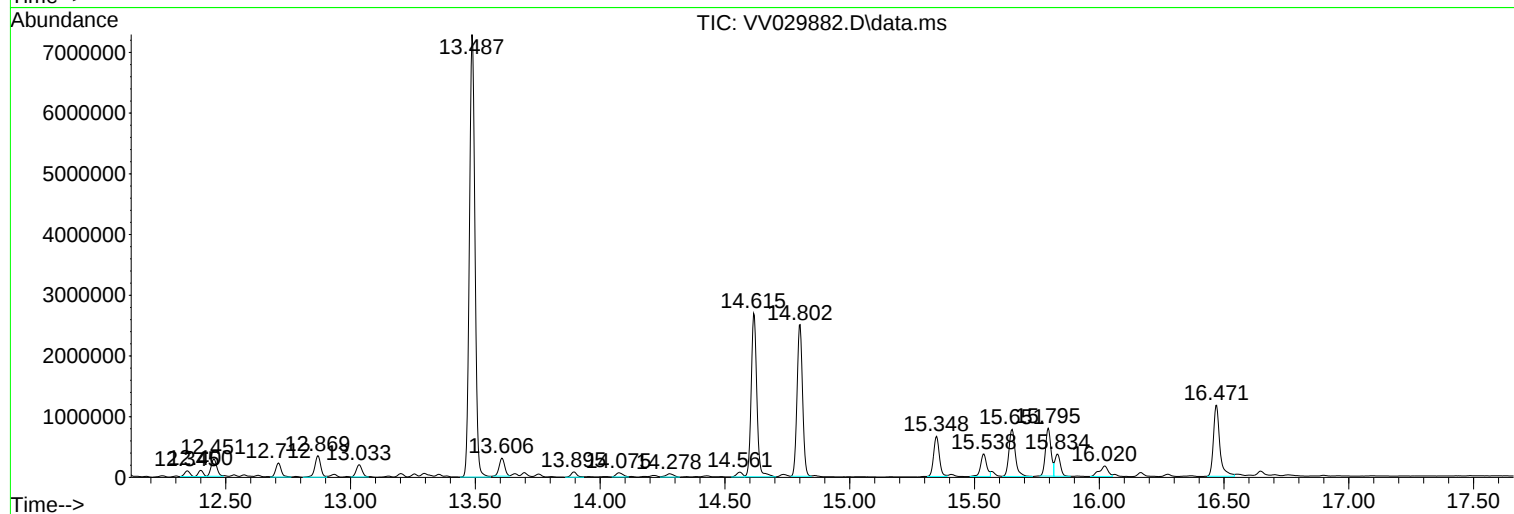
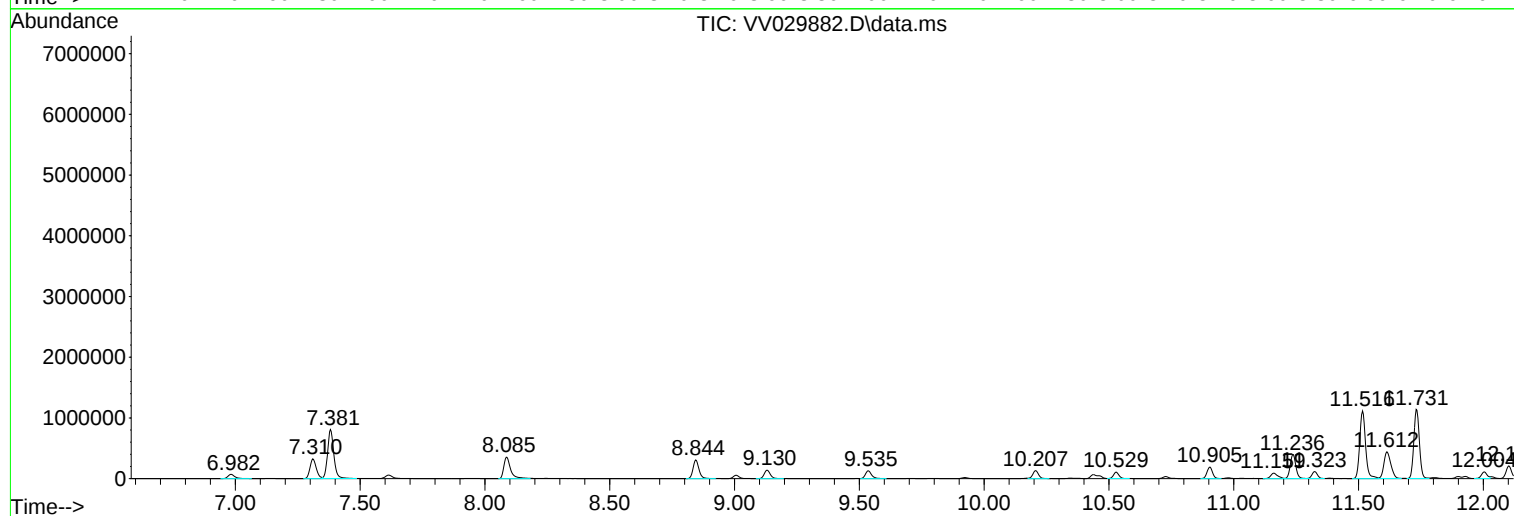
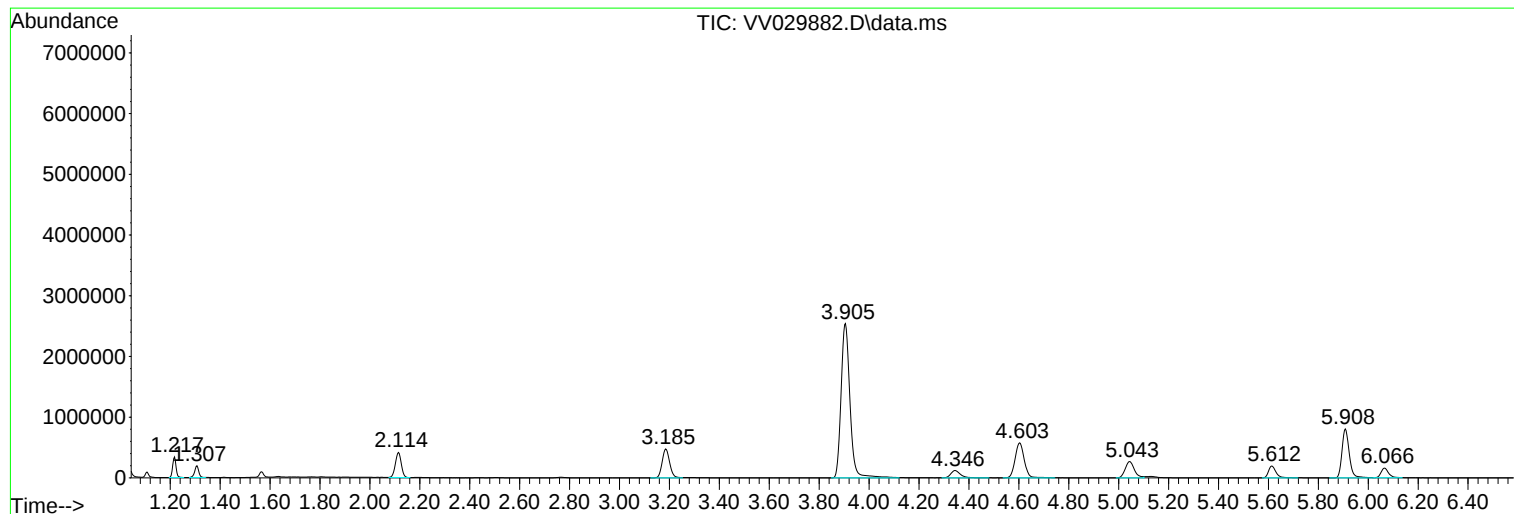
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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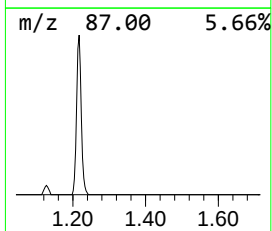
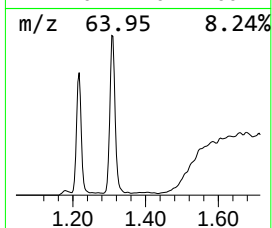
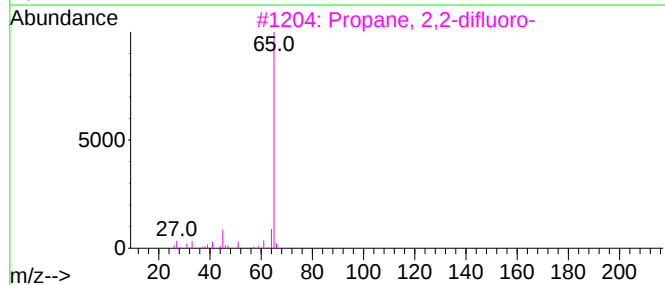
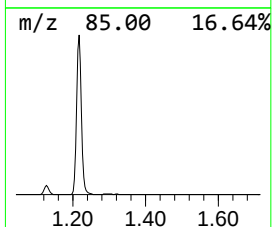
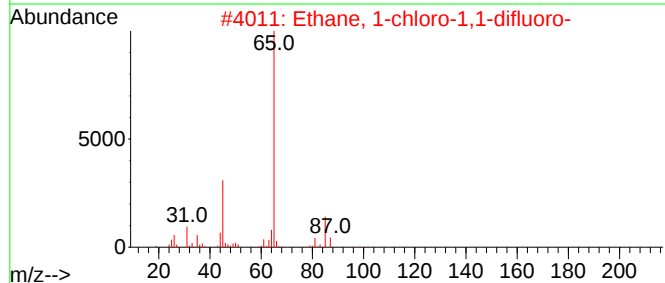
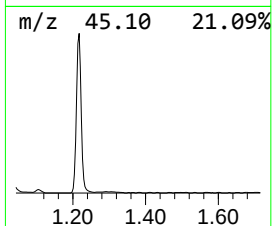
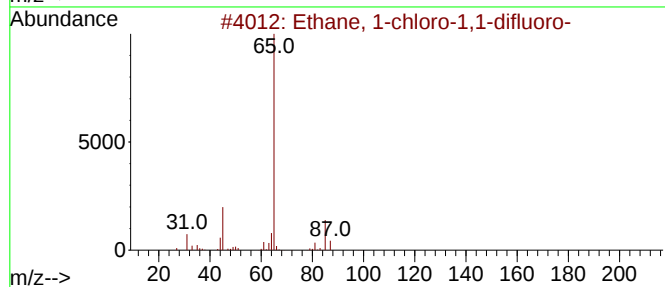
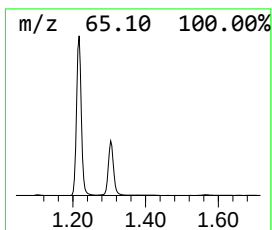
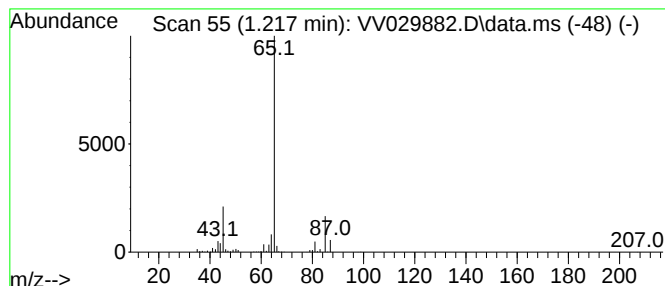
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Ethane, 1-chloro-1,1-difluoro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.217	3.76 ug/L	307231	1,4-Difluorobenzene	5.612

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	83
2			Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	83
3			Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	43
4			2,2-Difluoropropionic acid	110	C3H4F2O2	000373-96-6	4
5			Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	2



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Instrument :
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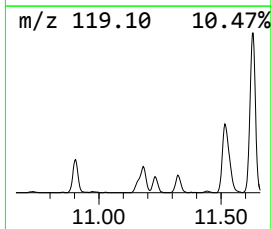
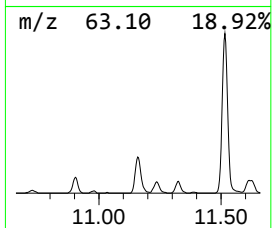
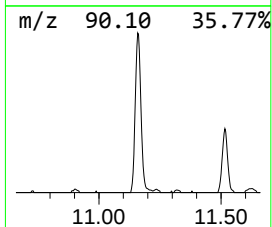
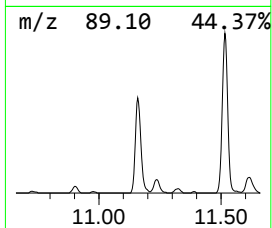
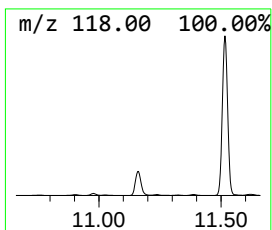
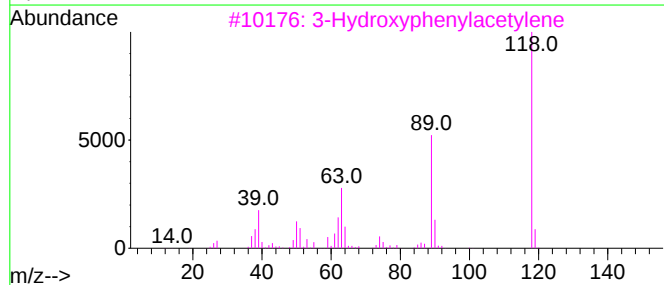
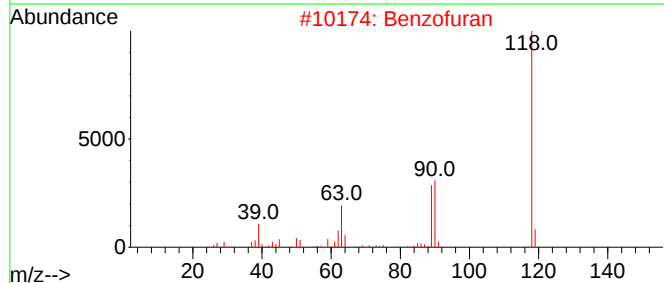
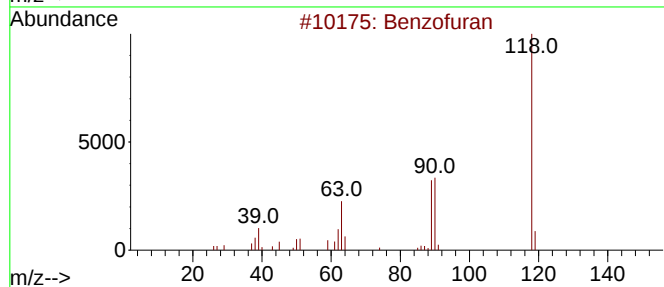
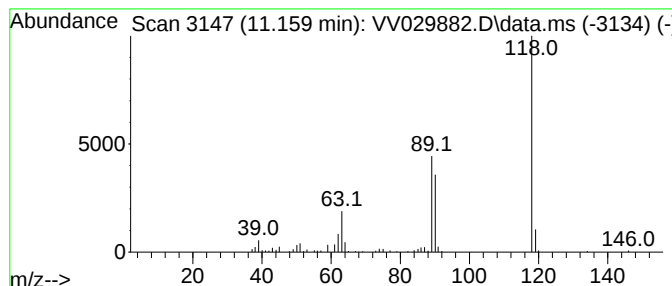
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzofuran Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.159	1.42 ug/L	176768	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran	118	C8H6O	000271-89-6	95
2			Benzofuran	118	C8H6O	000271-89-6	87
3			3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
4			Benzofuran	118	C8H6O	000271-89-6	87
5			2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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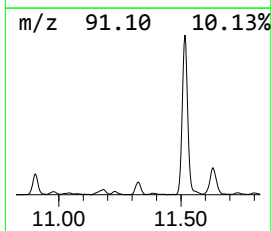
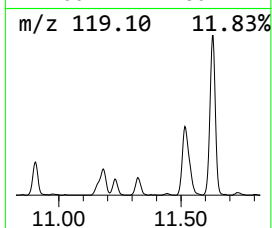
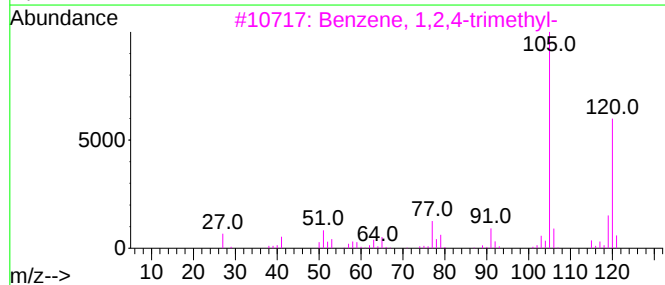
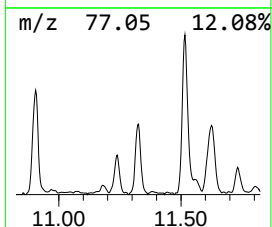
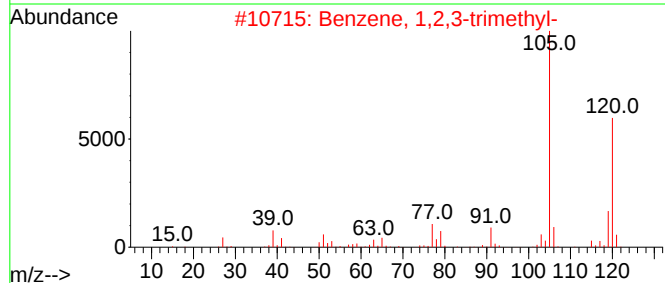
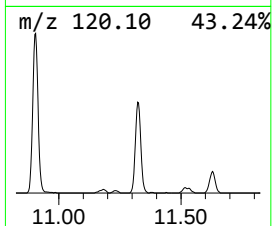
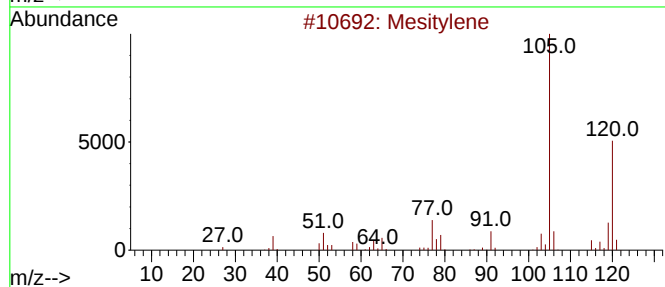
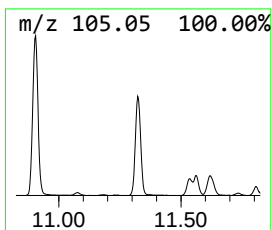
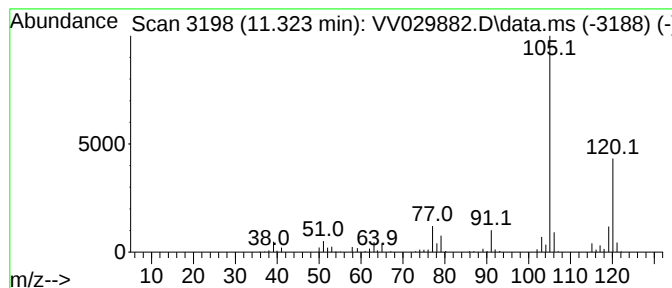
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.323	1.41 ug/L	175853	1,4-Dichlorobenzene-d4	11.236

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



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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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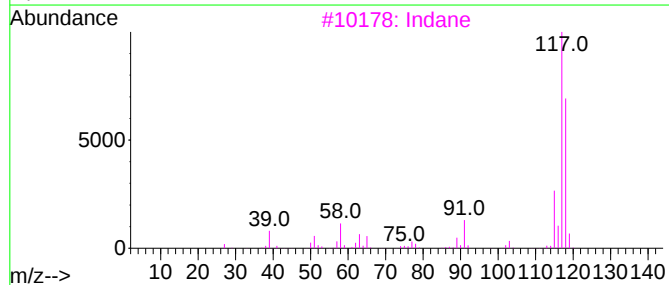
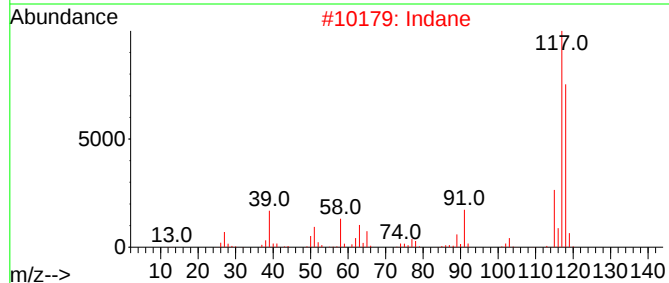
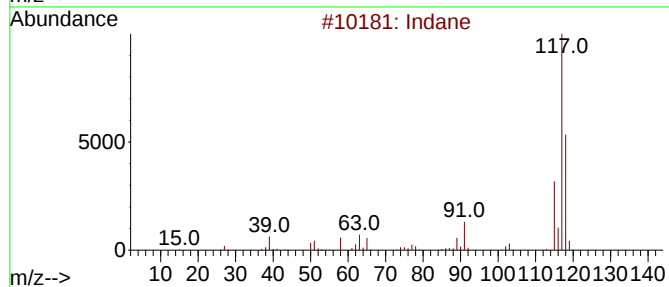
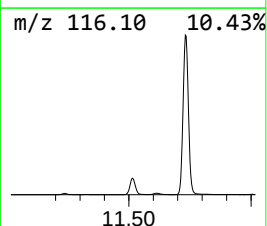
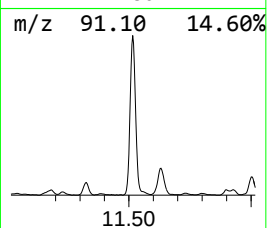
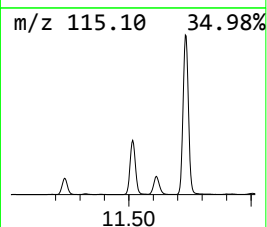
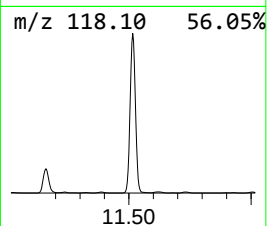
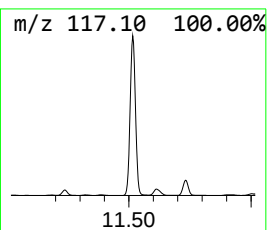
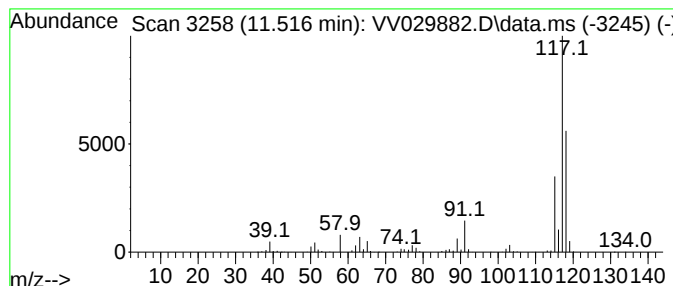
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.516	14.34 ug/L	1783690	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane			118	C9H10	000496-11-7	95
2	Indane			118	C9H10	000496-11-7	91
3	Indane			118	C9H10	000496-11-7	91
4	Benzene, cyclopropyl-			118	C9H10	000873-49-4	83
5	Benzene, 1-ethenyl-4-methyl-			118	C9H10	000622-97-9	83



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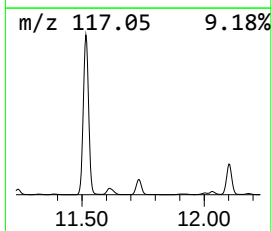
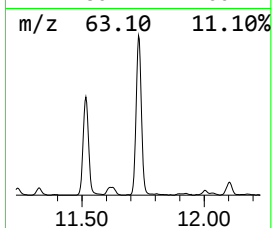
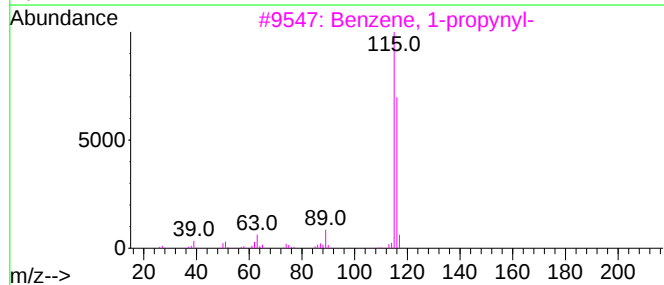
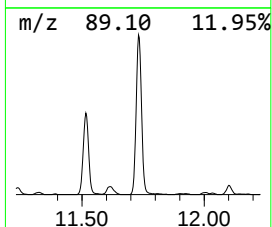
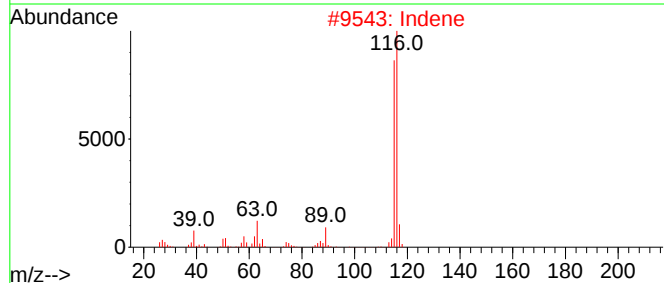
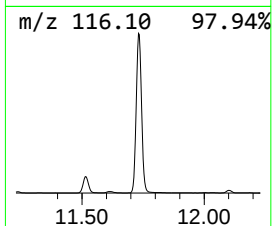
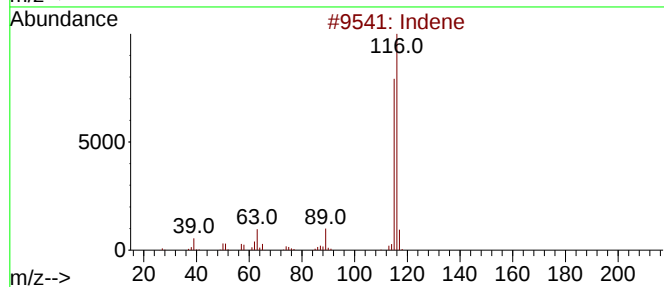
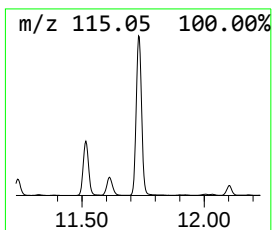
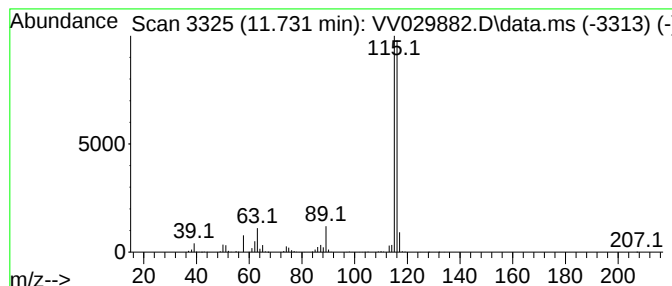
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.731	13.80 ug/L	1715520	1,4-Dichlorobenzene-d4	11.236

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

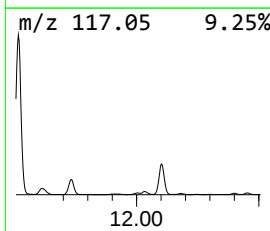
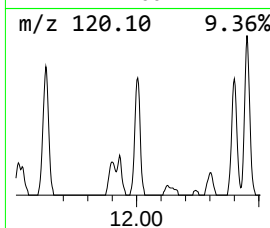
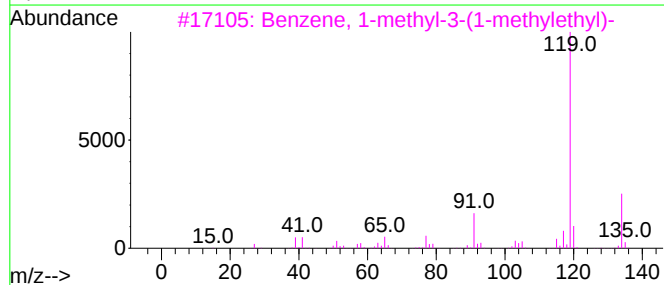
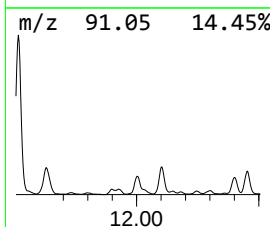
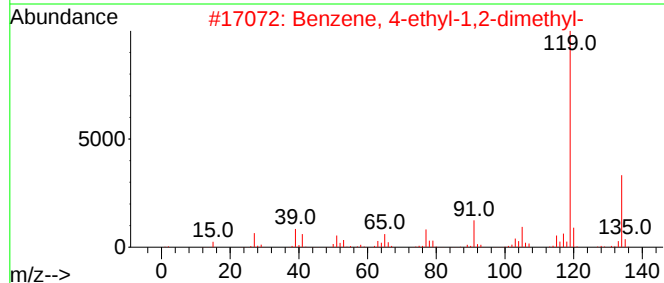
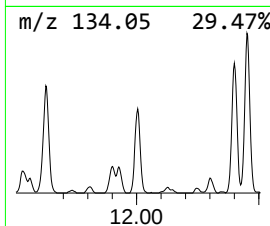
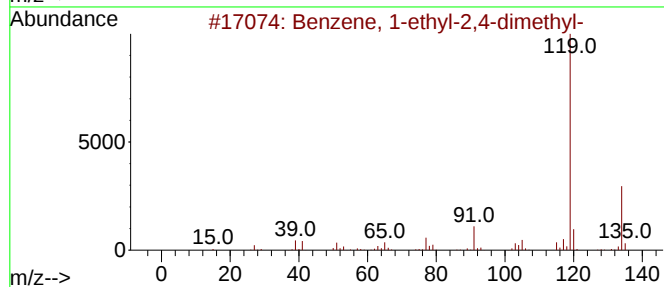
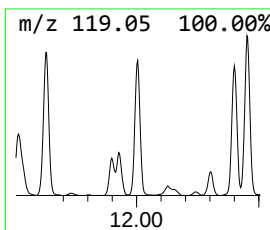
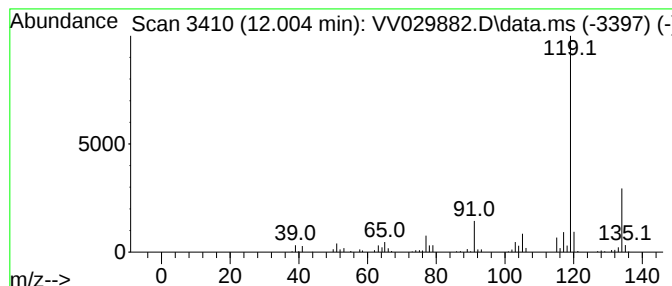
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.005	1.41 ug/L	175436	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

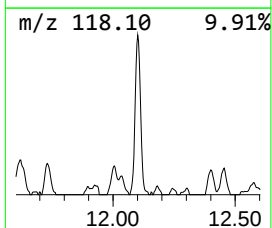
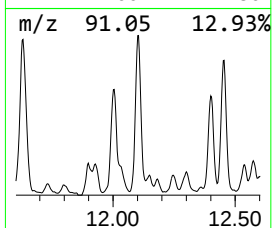
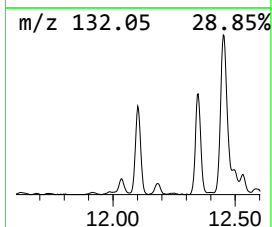
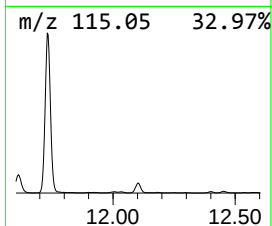
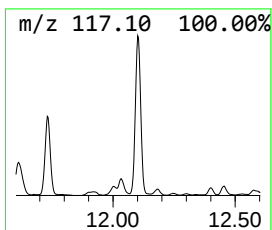
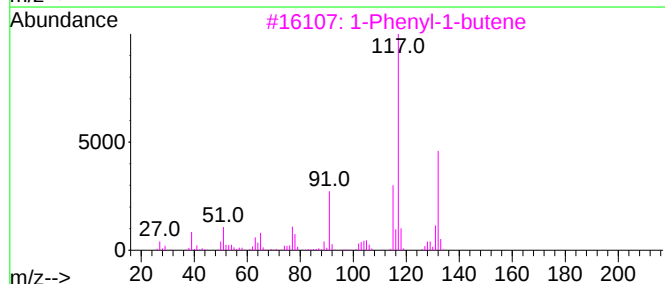
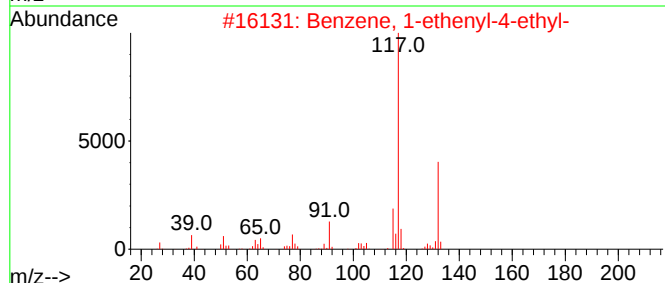
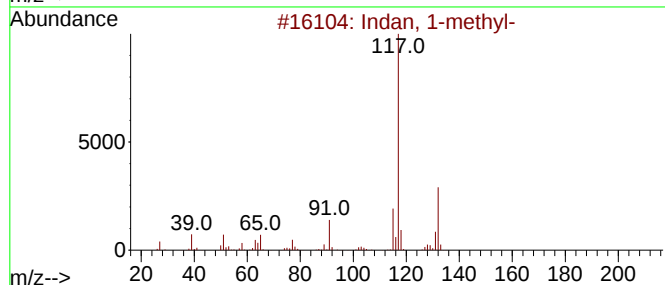
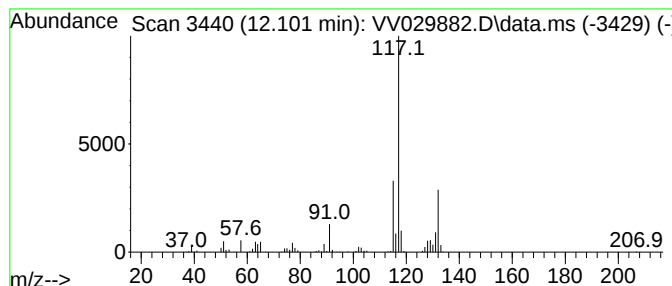
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Indan, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.101	2.61 ug/L	324423	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	90
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

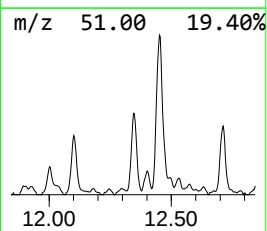
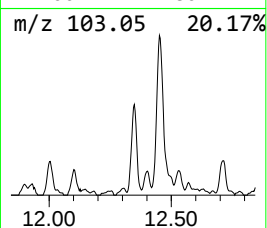
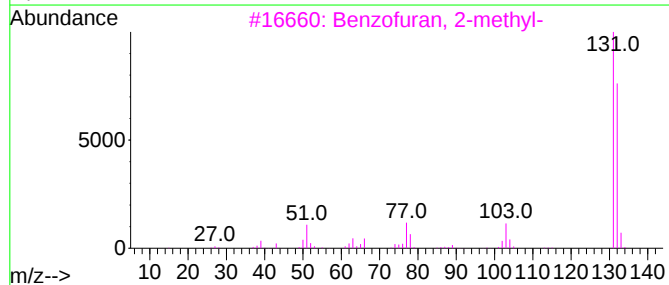
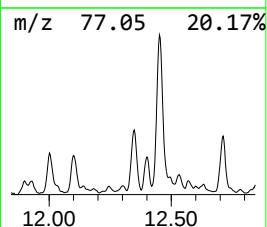
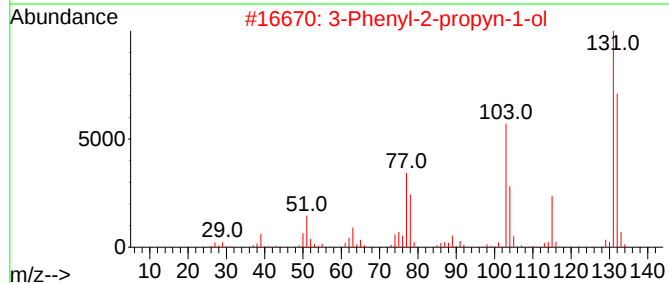
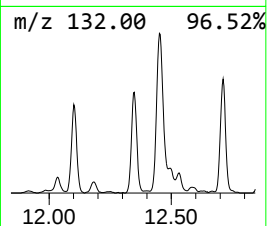
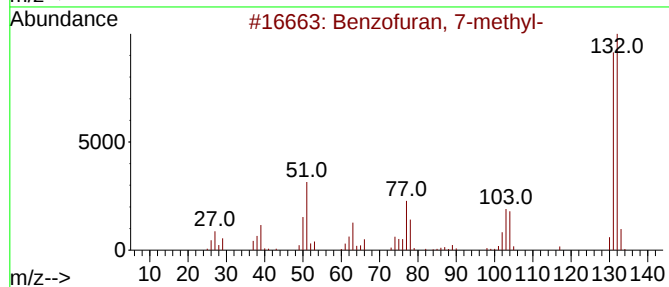
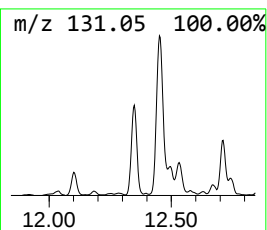
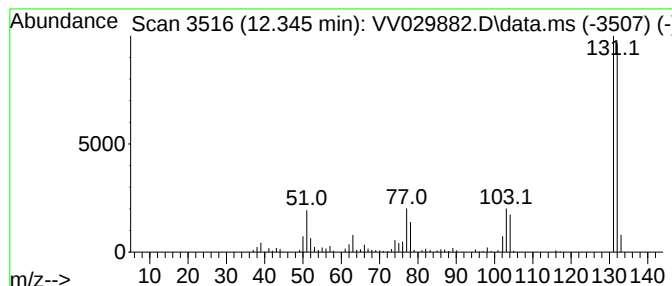
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzofuran, 7-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	1.15 ug/L	143078	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2			3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	94
3			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

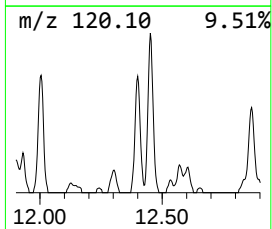
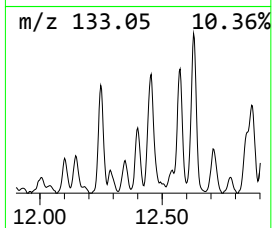
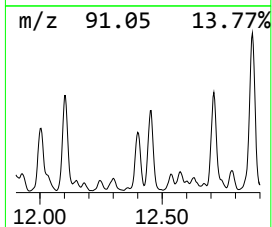
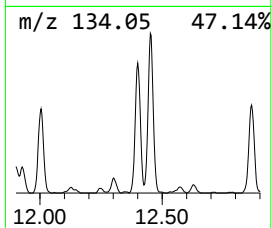
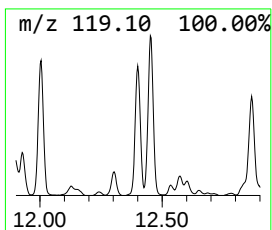
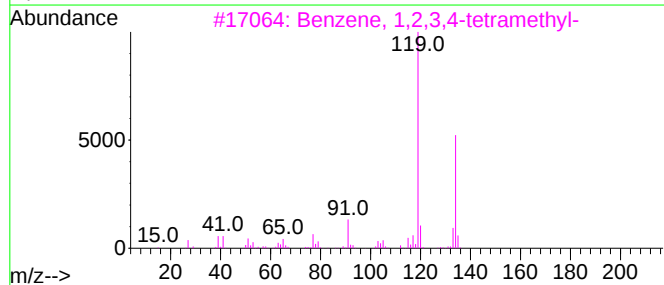
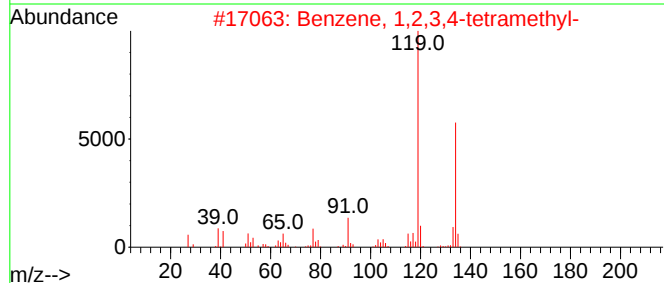
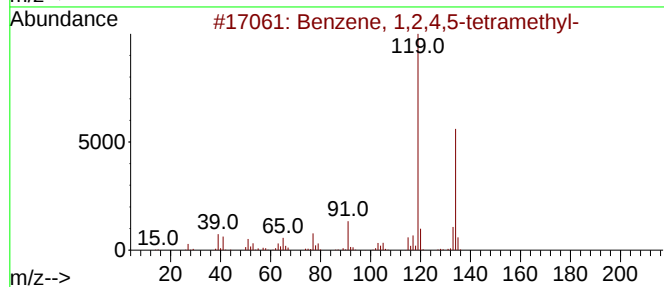
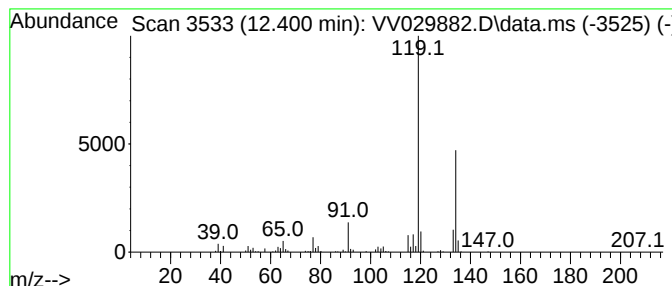
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.400	1.12 ug/L	139459	1,4-Dichlorobenzene-d4			11.236
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

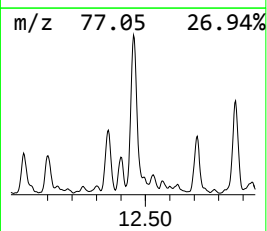
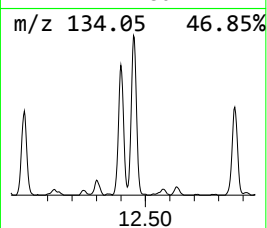
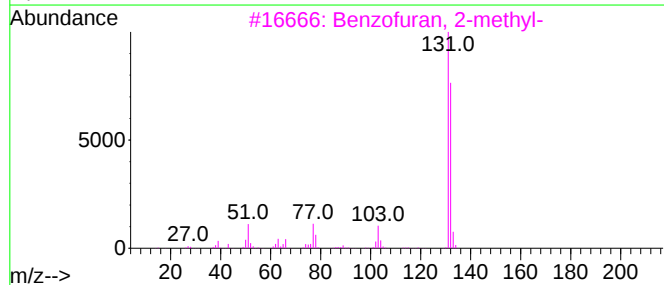
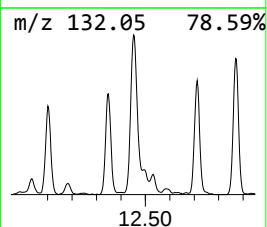
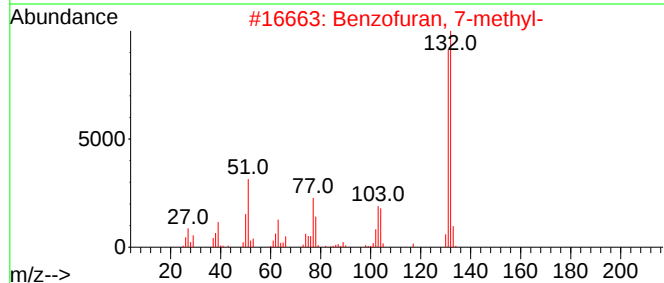
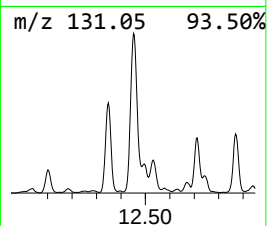
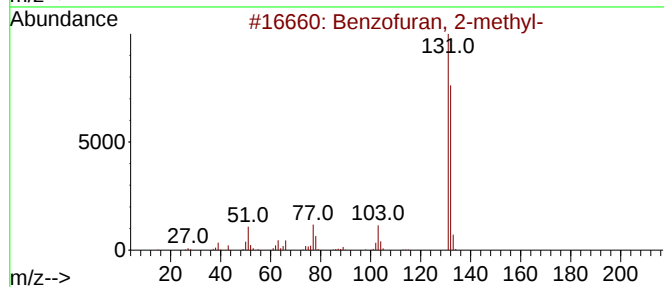
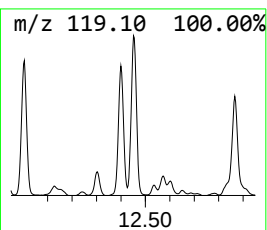
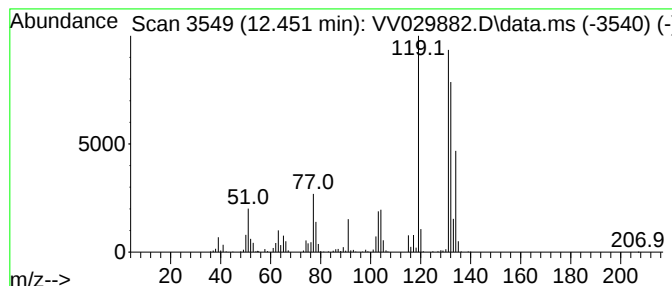
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzofuran, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.68 ug/L	458112	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	78
2			Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	78
3			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	60
4			2-Amino-6-methylbenzonitrile	132	C8H8N2	056043-01-7	55
5			1H-Indazole, 3-methyl-	132	C8H8N2	1000316-00-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

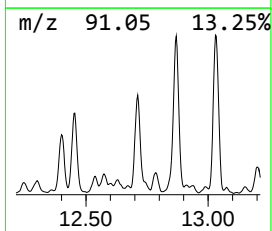
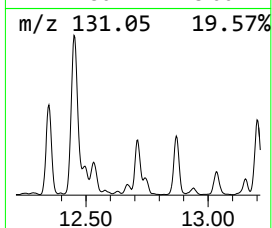
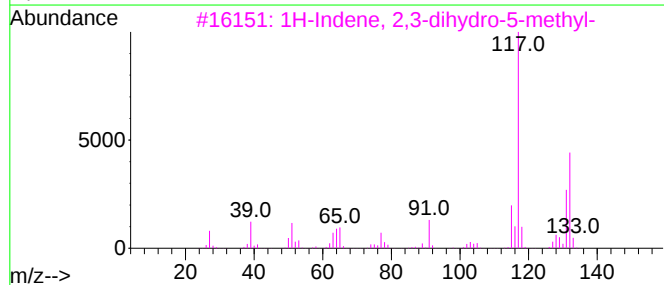
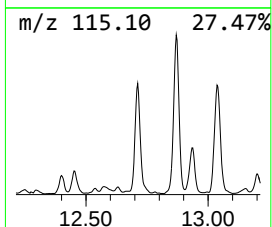
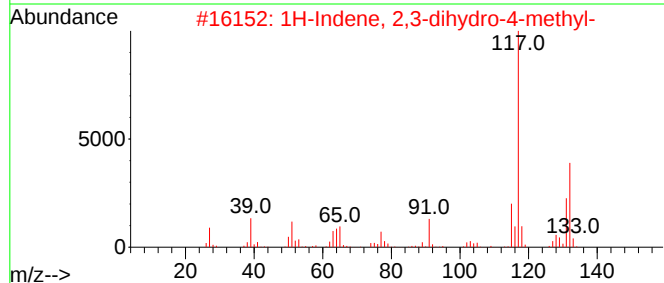
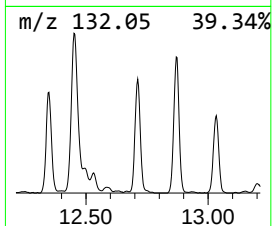
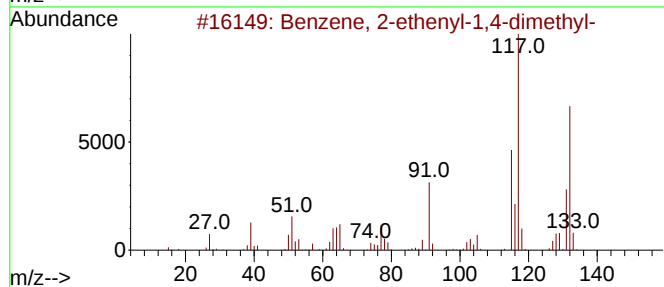
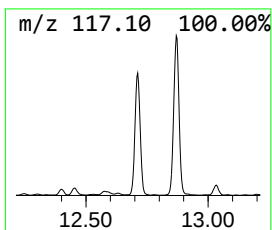
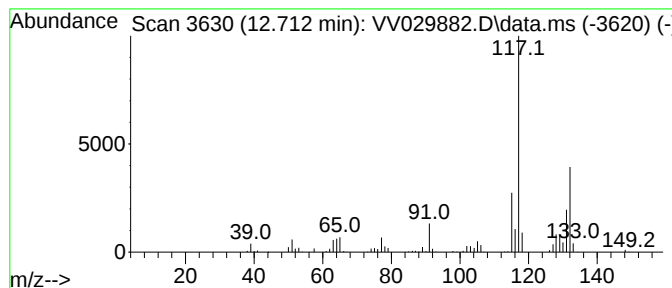
Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.712	2.86 ug/L	355310	1,4-Dichlorobenzene-d4			11.236
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-		132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	90
4	Benzene, 1-ethenyl-3-ethyl-		132	C10H12	007525-62-4	87
5	1-Methyl-2-phenylcyclopropane		132	C10H12	003145-76-4	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

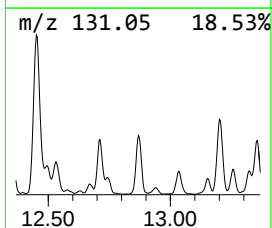
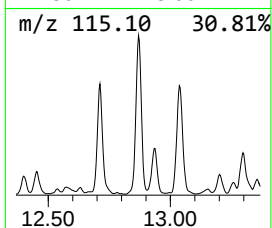
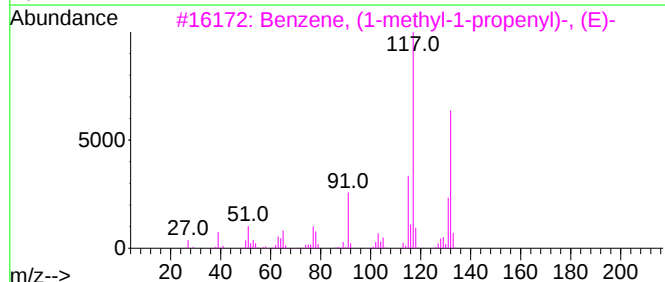
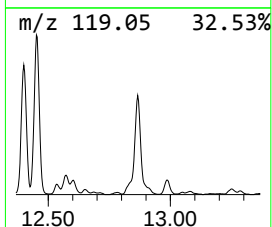
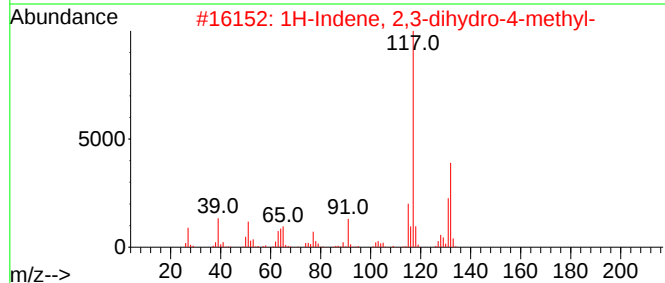
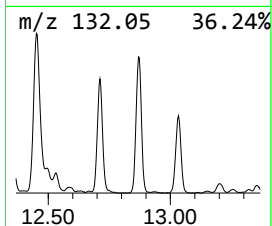
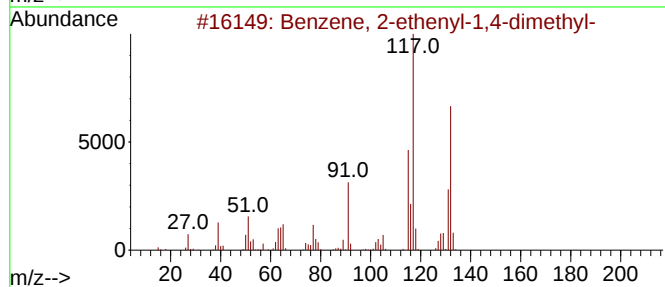
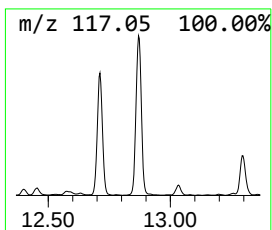
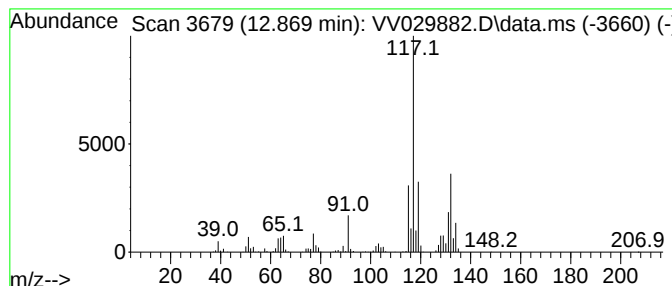
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.869	4.66 ug/L	579447	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

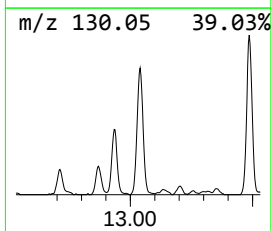
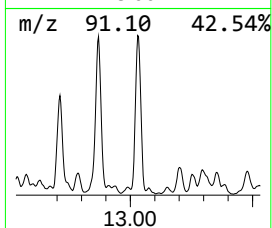
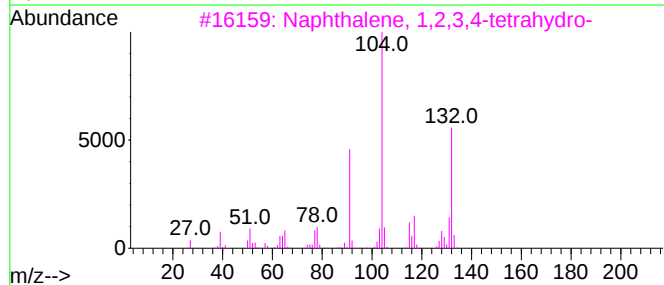
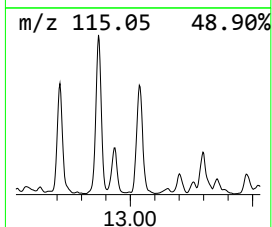
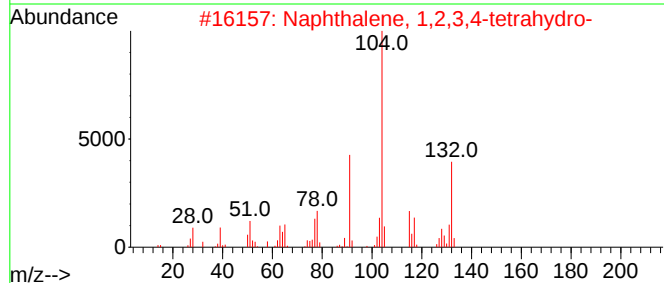
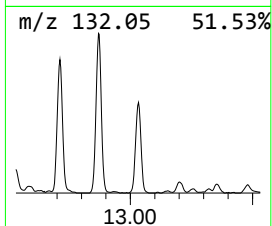
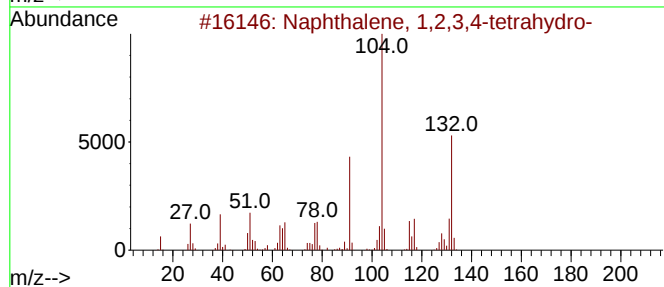
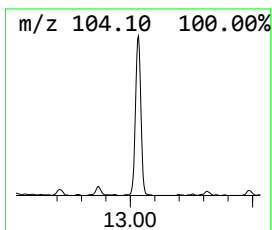
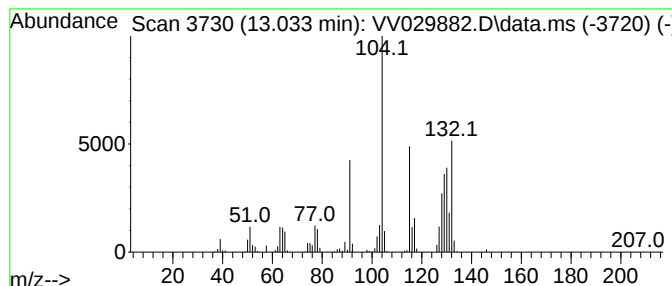
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.033	2.61 ug/L	324235	1,4-Dichlorobenzene-d4	11.236

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55
5		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

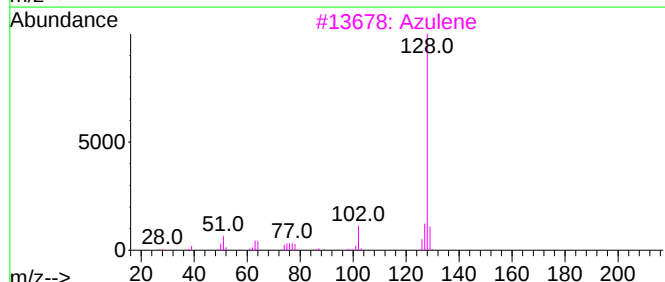
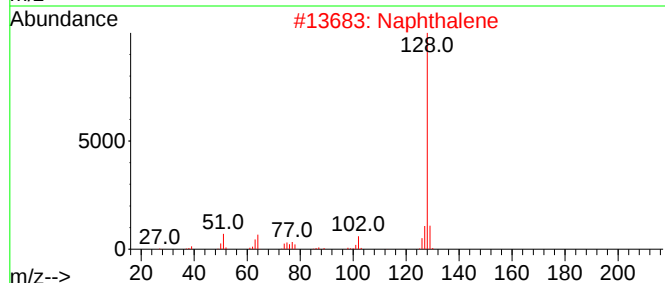
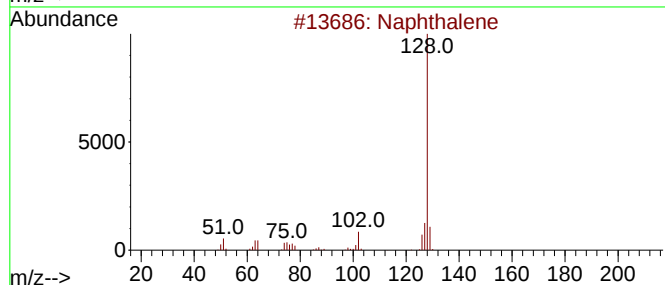
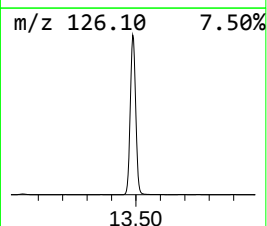
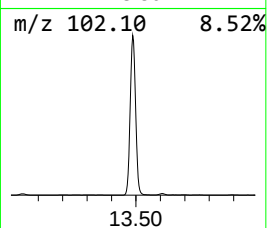
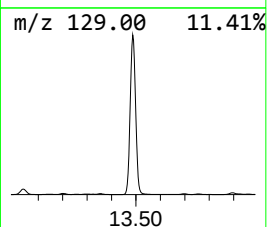
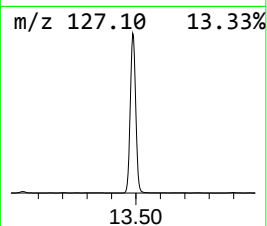
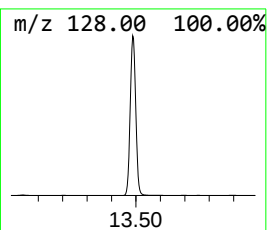
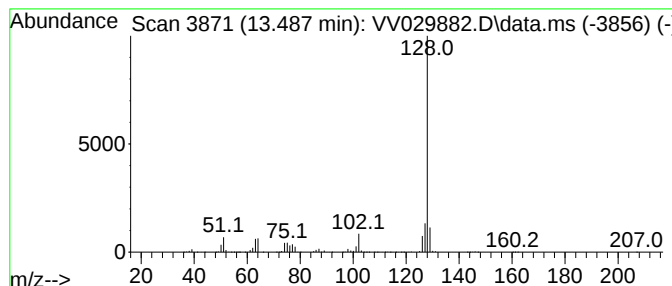
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	90.93 ug/L	11306500	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	94
3			Azulene	128	C10H8	000275-51-4	93
4			Azulene	128	C10H8	000275-51-4	91
5			Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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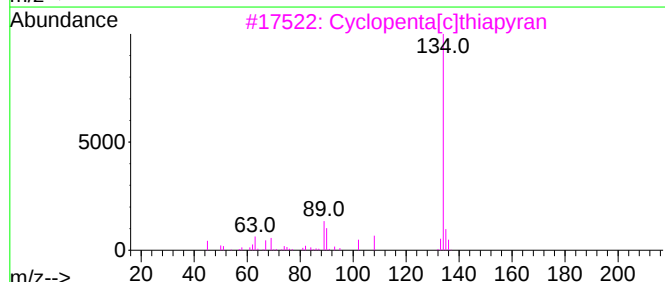
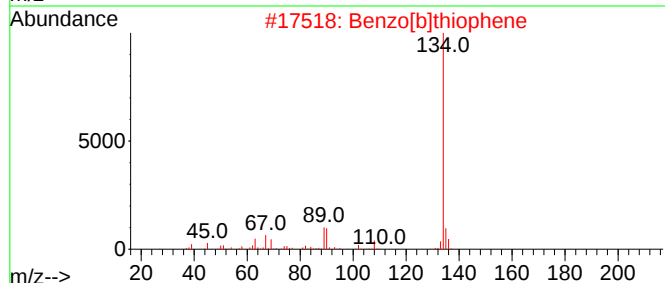
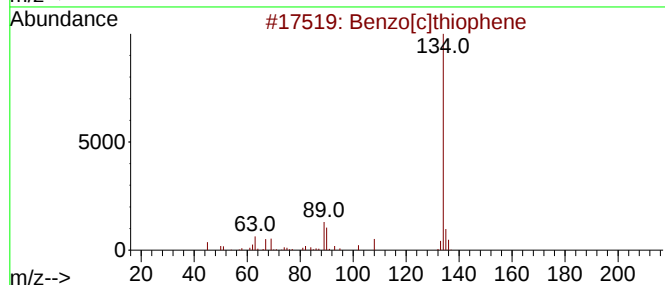
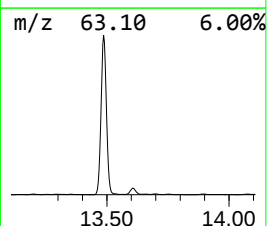
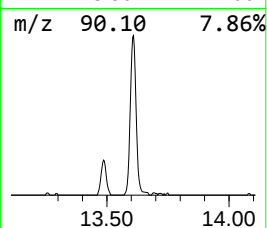
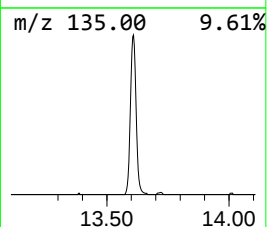
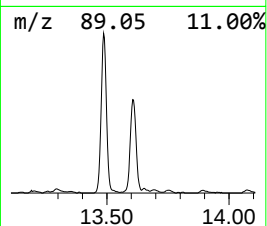
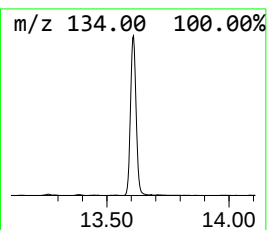
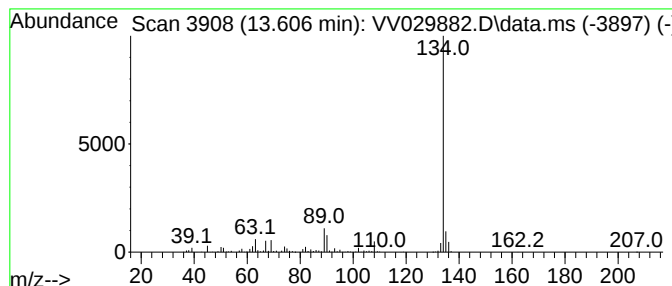
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[c]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.606	3.73 ug/L	463567	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2			Benzo[b]thiophene	134	C8H6S	000095-15-8	95
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	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

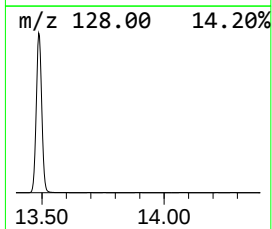
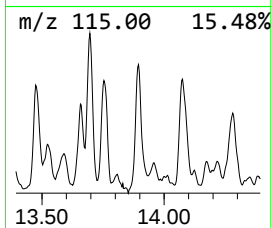
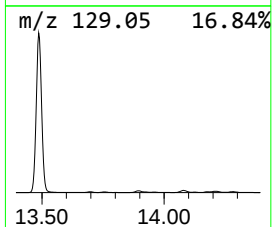
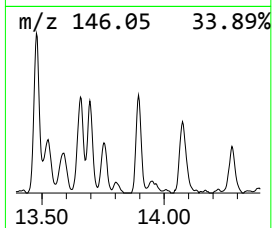
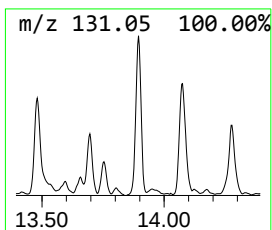
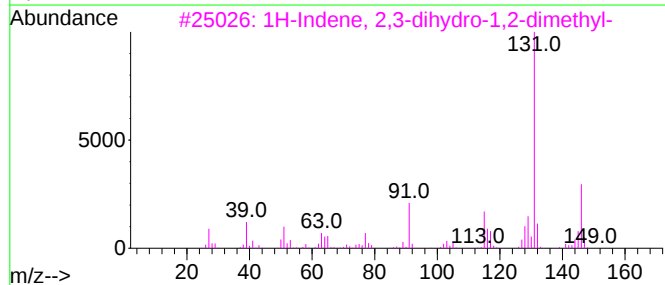
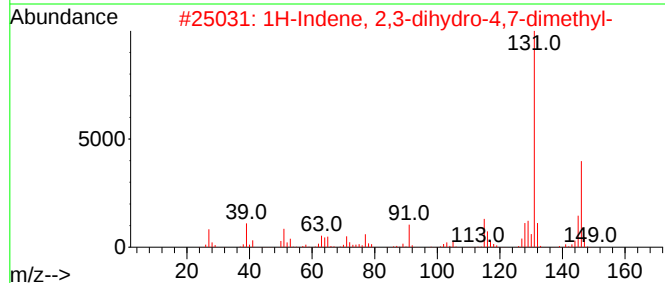
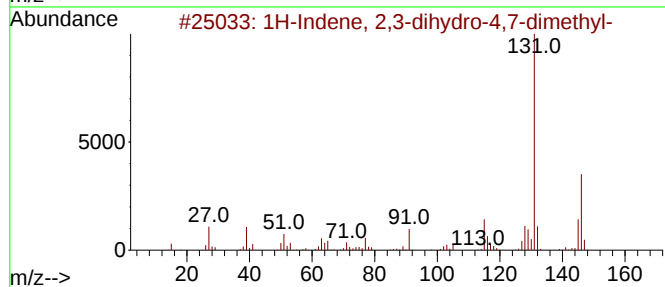
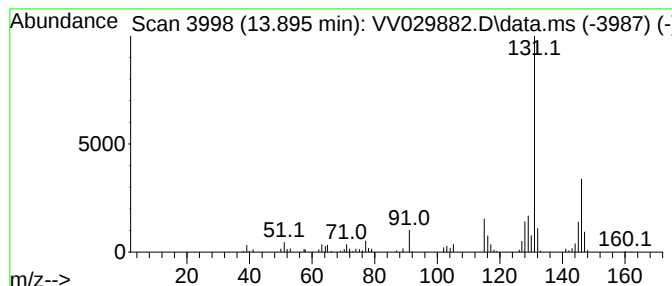
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ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.895	1.13 ug/L	141008	1,4-Dichlorobenzene-d4		11.236	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-1,2-dimet...		146	C11H14	017057-82-8	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...		146	C11H14	006682-71-9	93
5	1H-Indene, 2,3-dihydro-1,6-dimet...		146	C11H14	017059-48-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

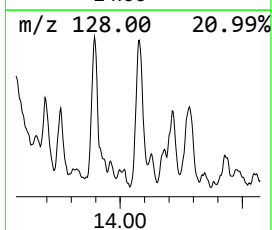
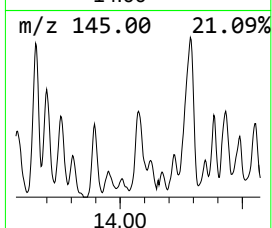
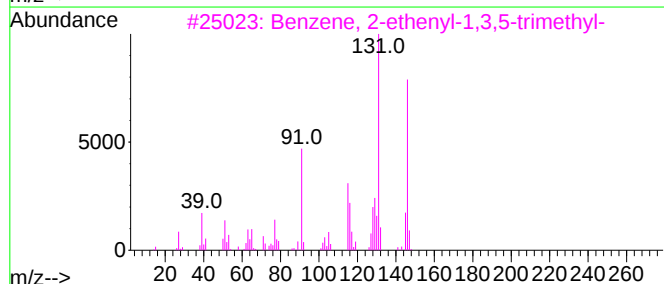
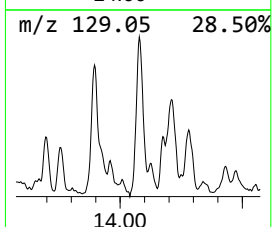
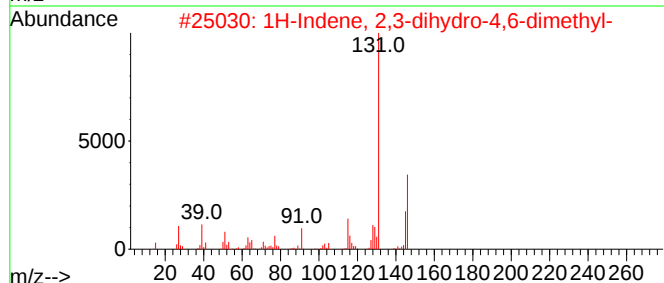
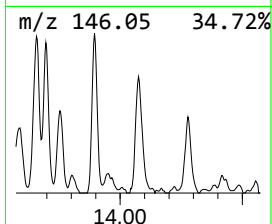
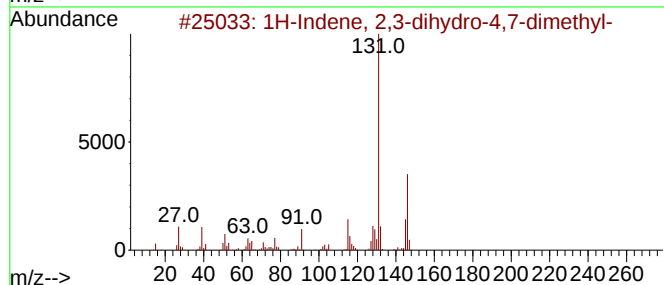
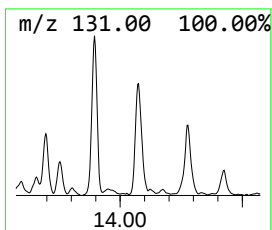
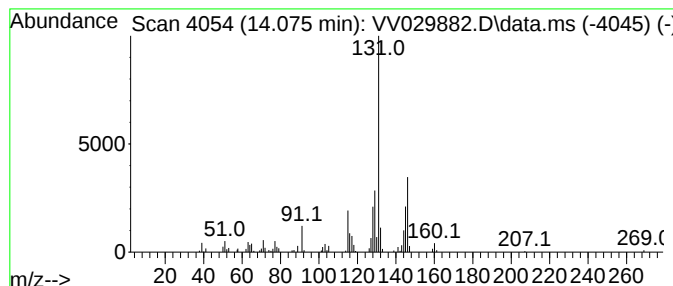
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.075	1.09 ug/L	135563	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81		
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	74		
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	74		
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	74		
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	68		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

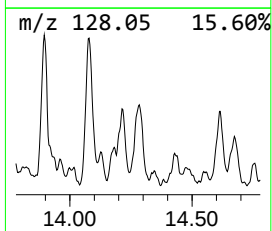
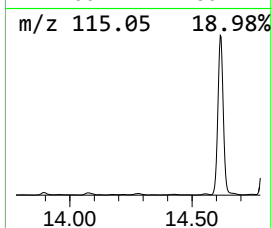
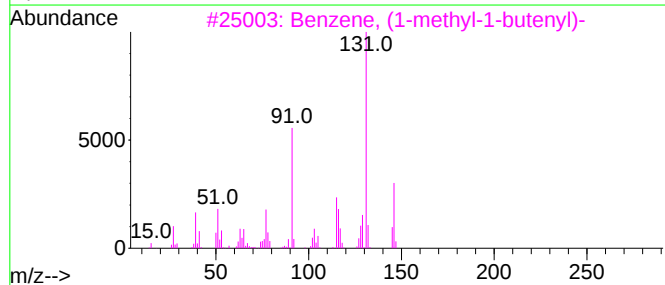
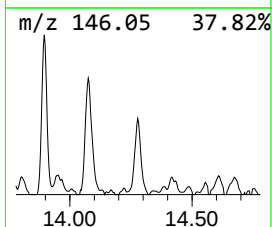
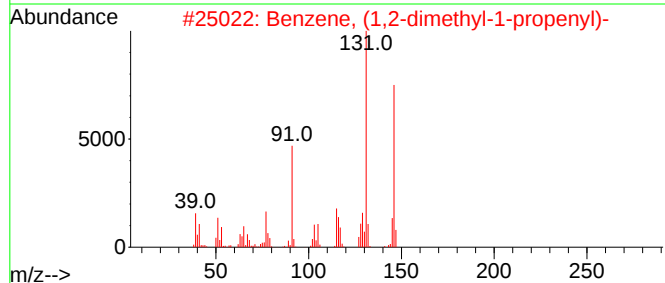
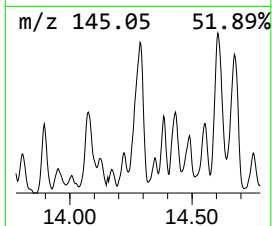
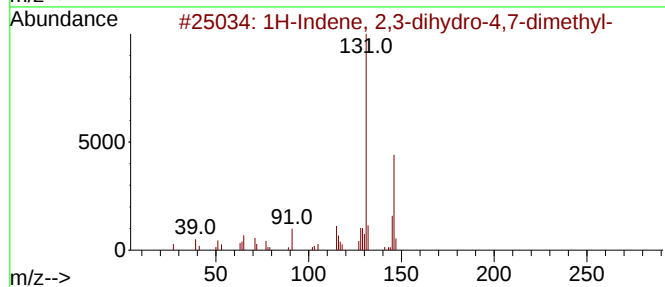
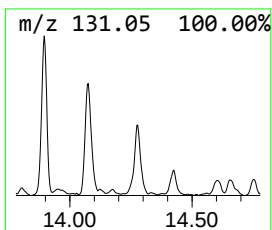
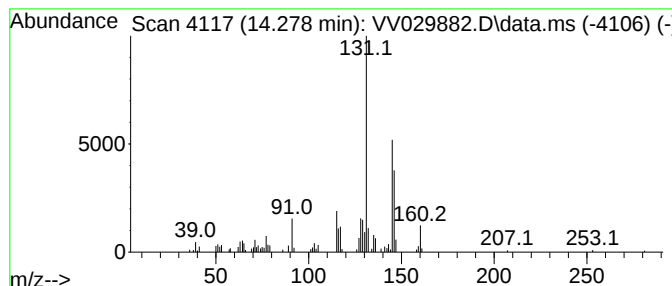
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.278	0.94 ug/L	116820	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93		
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93		
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89		
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76		
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

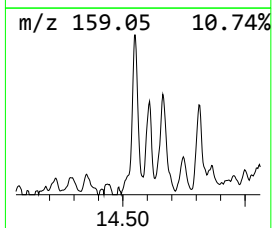
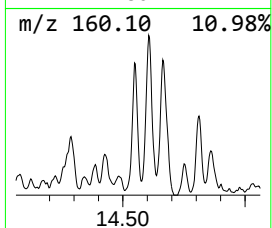
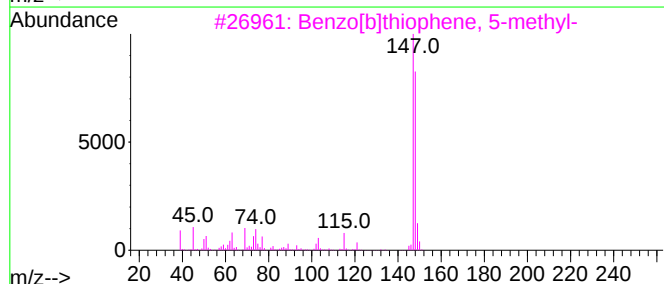
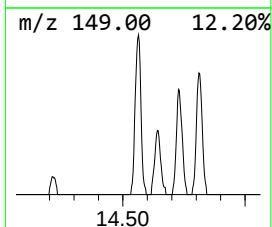
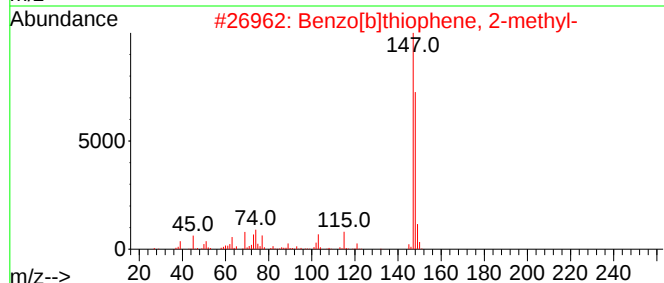
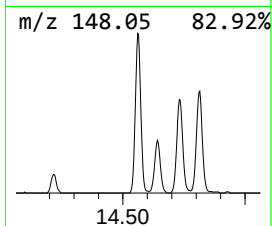
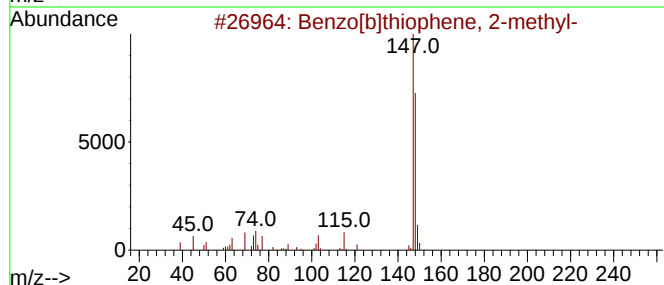
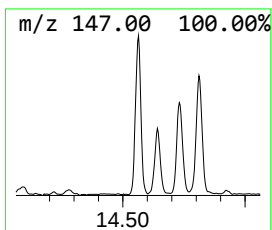
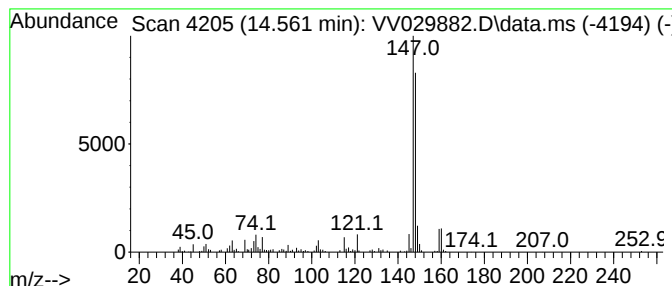
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[b]thiophene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.561	1.06 ug/L	131845	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
2			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
3			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
4			3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
5			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

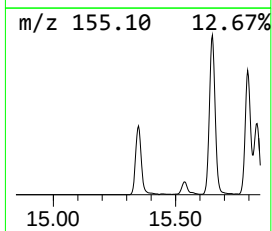
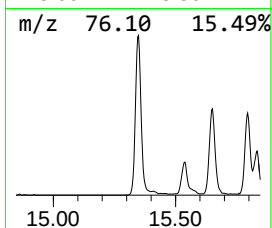
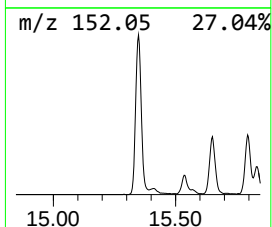
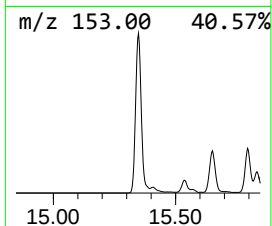
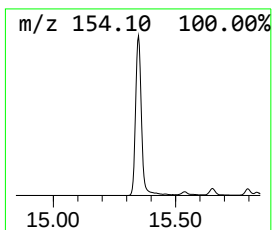
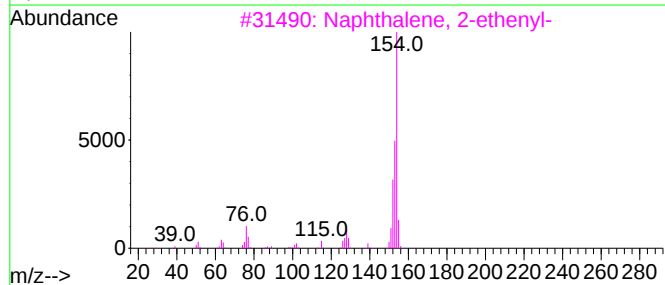
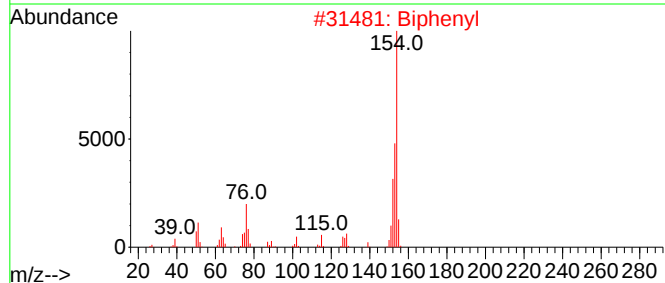
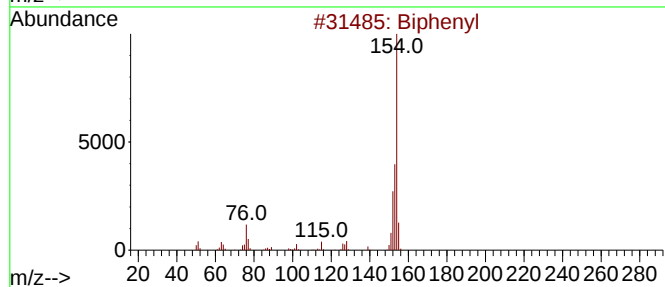
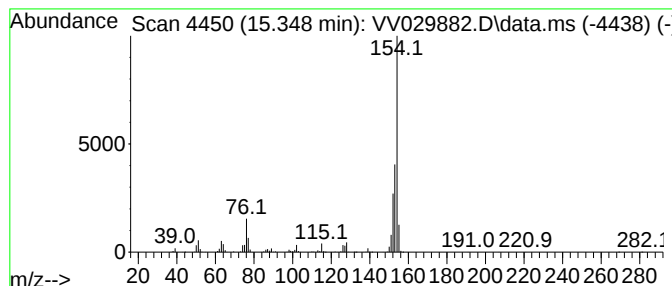
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 Naphthalene, 2-ethenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.348	8.49 ug/L	1055420	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenyl	154	C12H10	000092-52-4	95
2			Biphenyl	154	C12H10	000092-52-4	87
3			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87
4			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	83
5			Biphenyl	154	C12H10	000092-52-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

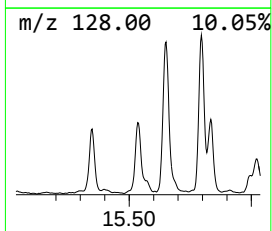
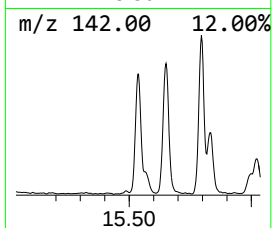
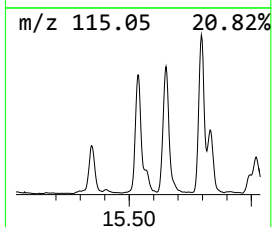
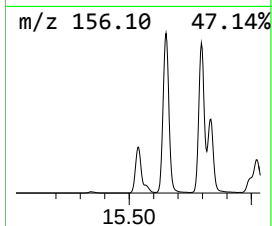
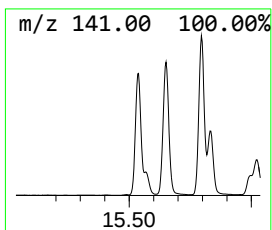
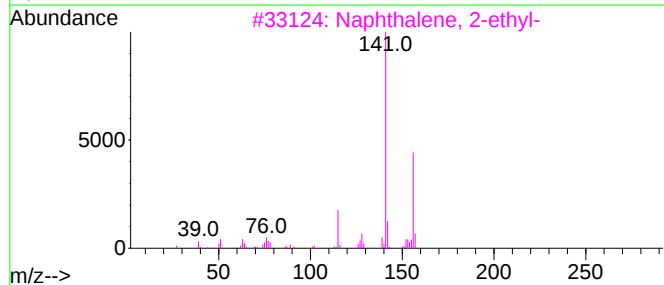
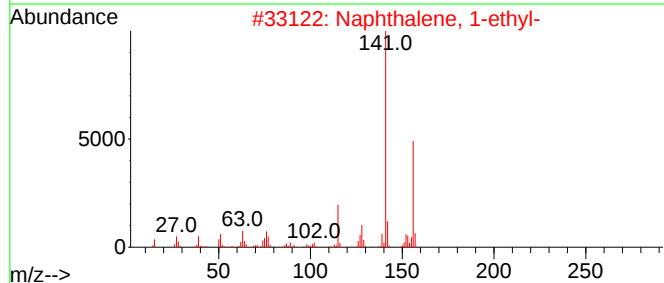
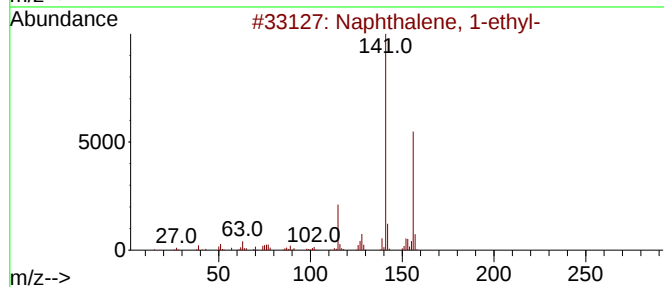
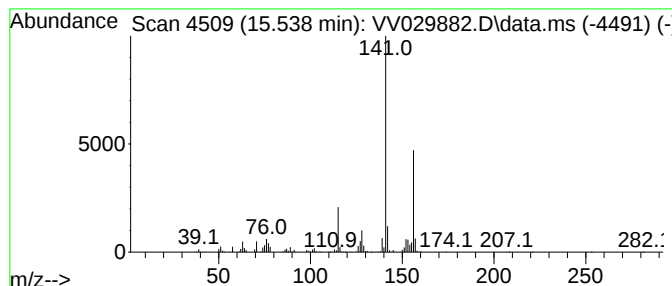
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.538	5.07 ug/L	630831	1,4-Dichlorobenzene-d4	11.236

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_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

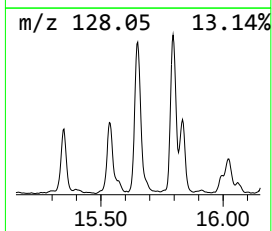
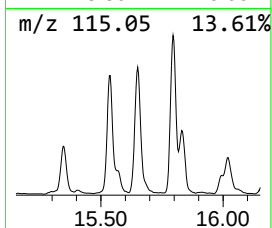
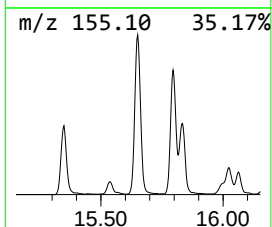
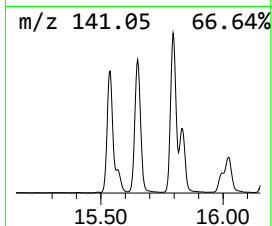
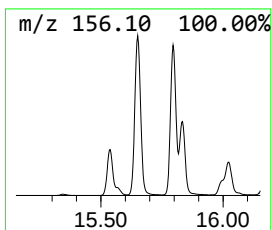
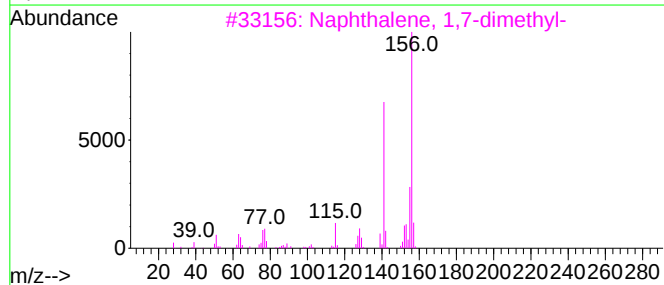
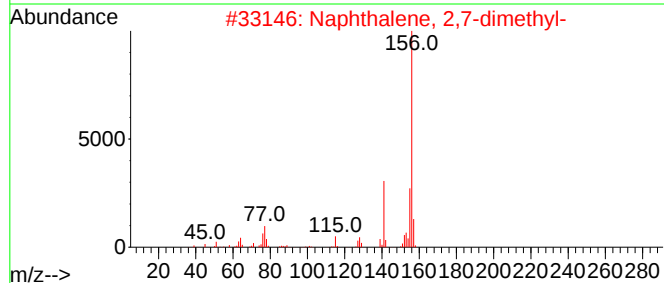
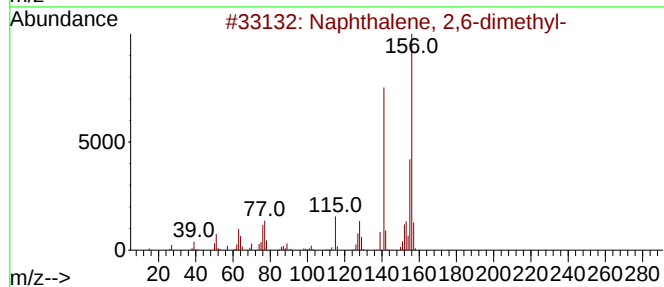
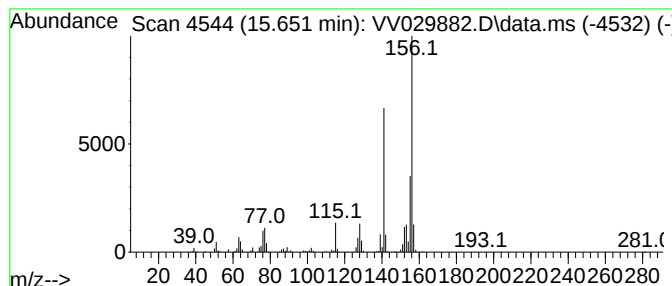
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	10.87 ug/L	1351690	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

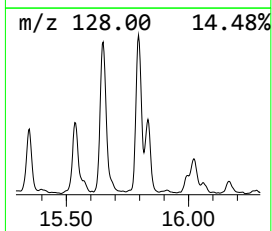
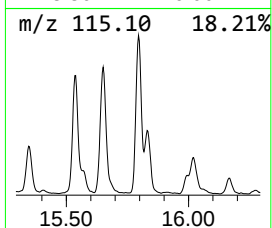
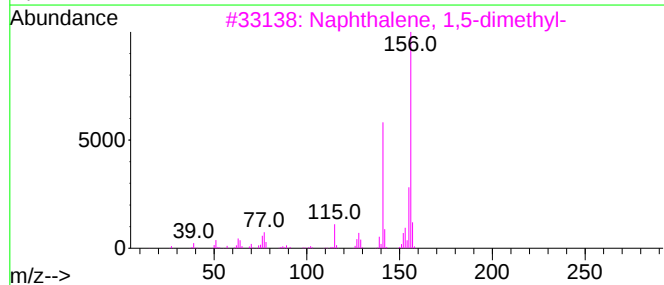
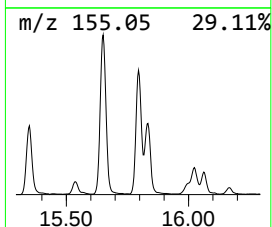
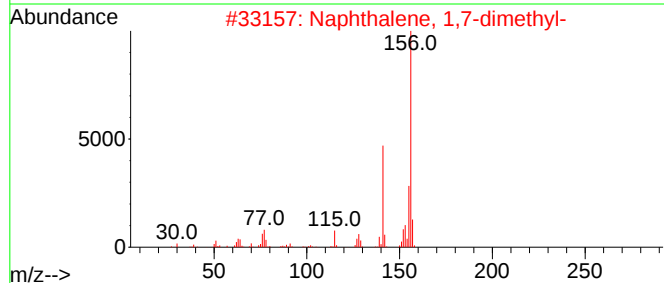
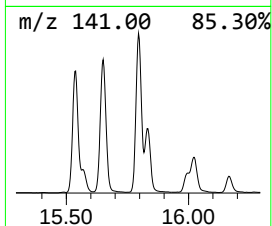
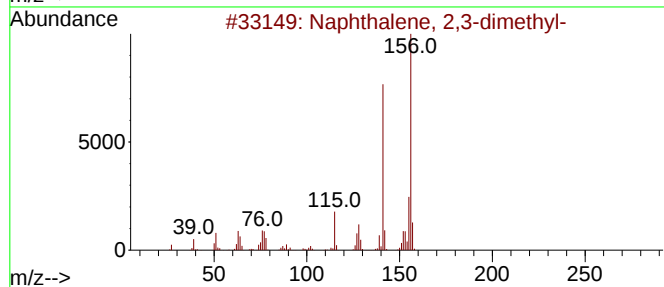
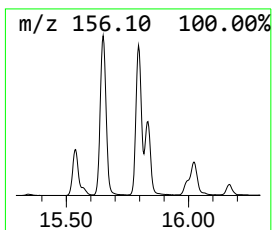
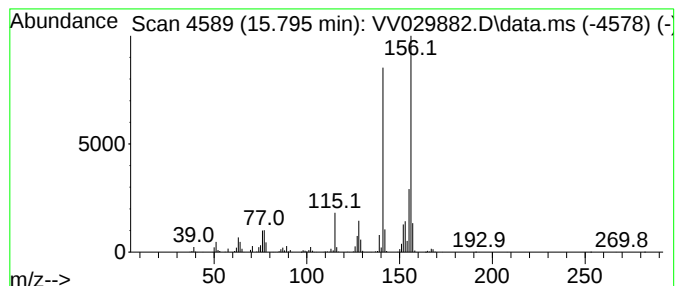
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.795	9.96 ug/L	1238120	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

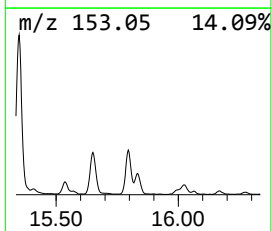
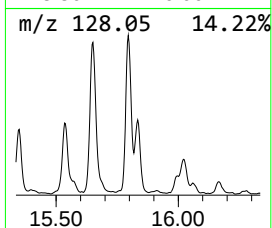
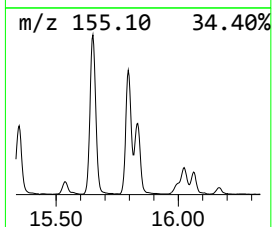
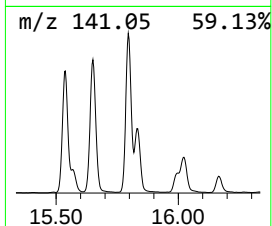
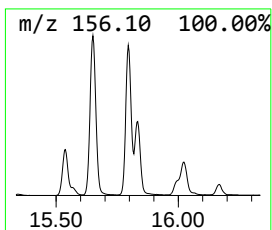
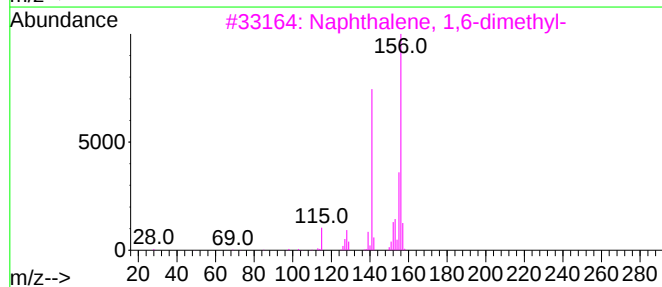
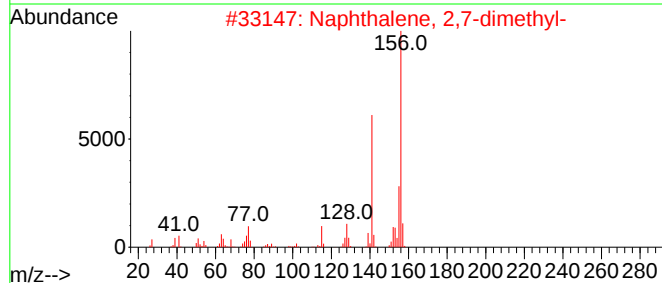
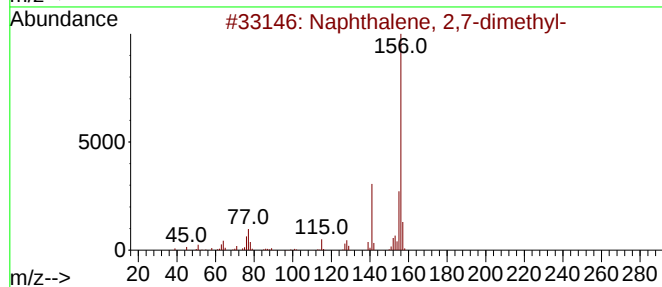
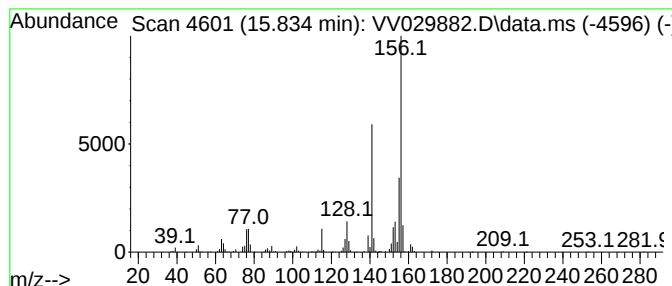
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.834	4.39 ug/L	546021	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011623\
Data File : VV029882.D
Acq On : 16 Jan 2023 17:35
Operator : SY/MD
Sample : 01168-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

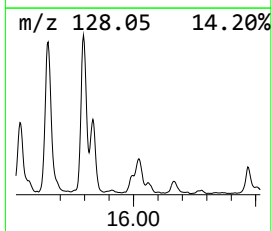
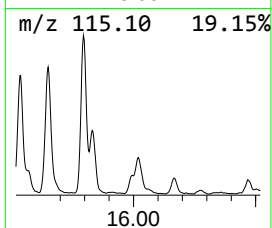
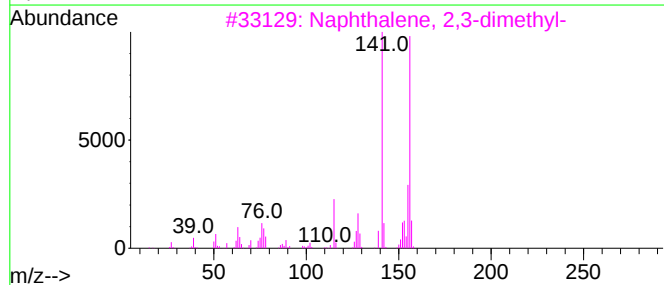
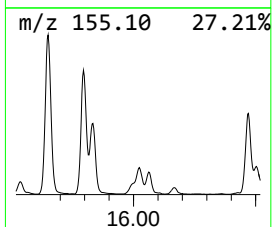
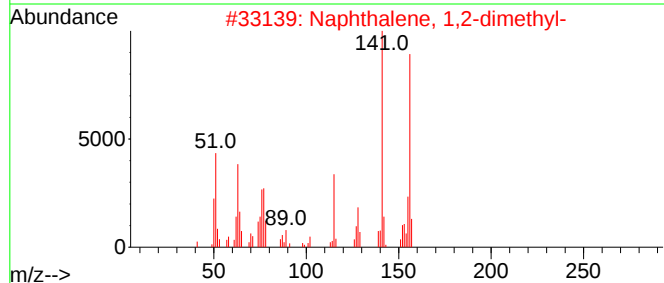
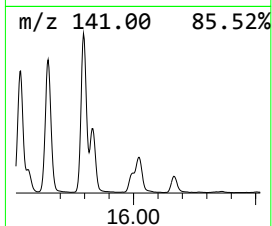
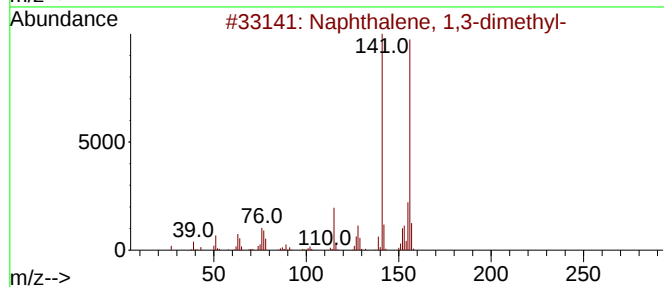
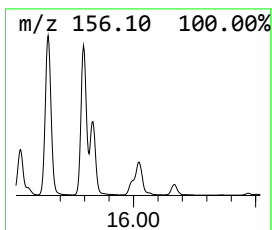
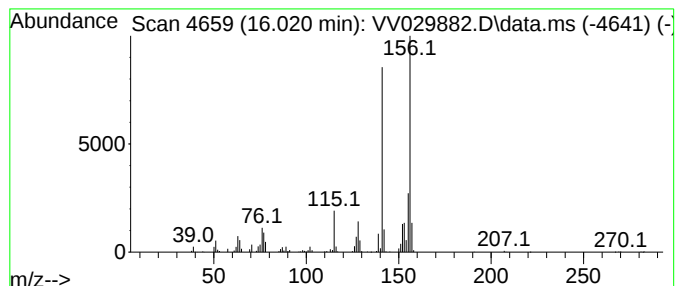
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.020	3.47 ug/L	431719	1,4-Dichlorobenzene-d4	11.236

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011623\
 Data File : VW029882.D
 Acq On : 16 Jan 2023 17:35
 Operator : SY/MD
 Sample : 01168-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Z6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Ethane, 1-chlor...	1.217	3.8	ug/L	307231	1	5.612	408472	5.0
Benzoofuran	11.159	1.4	ug/L	176768	3	11.236	621720	5.0
Benzene, 1,2,3-...	11.323	1.4	ug/L	175853	3	11.236	621720	5.0
Indane	11.516	14.3	ug/L	1783690	3	11.236	621720	5.0
Indene	11.731	13.8	ug/L	1715520	3	11.236	621720	5.0
Benzene, 1-ethy...	12.005	1.4	ug/L	175436	3	11.236	621720	5.0
Indan, 1-methyl-	12.101	2.6	ug/L	324423	3	11.236	621720	5.0
Benzoofuran, 7-m...	12.345	1.1	ug/L	143078	3	11.236	621720	5.0
Benzene, 1,2,4,...	12.400	1.1	ug/L	139459	3	11.236	621720	5.0
Benzoofuran, 2-m...	12.451	3.7	ug/L	458112	3	11.236	621720	5.0
Benzene, 2-ethe...	12.712	2.9	ug/L	355310	3	11.236	621720	5.0
1H-Indene, 2,3-...	12.869	4.7	ug/L	579447	3	11.236	621720	5.0
Naphthalene, 1,...	13.033	2.6	ug/L	324235	3	11.236	621720	5.0
Azulene	13.487	90.9	ug/L	11306500	3	11.236	621720	5.0
Benzo[c]thiophene	13.606	3.7	ug/L	463567	3	11.236	621720	5.0
1H-Indene, 2,3-...	13.895	1.1	ug/L	141008	3	11.236	621720	5.0
1H-Indene, 2,3-...	14.075	1.1	ug/L	135563	3	11.236	621720	5.0
Benzene, (1,2-d...	14.278	0.9	ug/L	116820	3	11.236	621720	5.0
Benzo[b]thiophe...	14.561	1.1	ug/L	131845	3	11.236	621720	5.0
Naphthalene, 2-...	15.348	8.5	ug/L	1055420	3	11.236	621720	5.0
Naphthalene, 1-...	15.538	5.1	ug/L	630831	3	11.236	621720	5.0
Naphthalene, 2,...	15.651	10.9	ug/L	1351690	3	11.236	621720	5.0
Naphthalene, 2,...	15.795	10.0	ug/L	1238120	3	11.236	621720	5.0
Naphthalene, 2,...	15.834	4.4	ug/L	546021	3	11.236	621720	5.0
Naphthalene, 1,...	16.020	3.5	ug/L	431719	3	11.236	621720	5.0