

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
 Data File : VV025100.D
 Acq On : 18 Mar 2022 16:09
 Operator : SY/MD
 Sample : N2018-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0QA6

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\SFAMVTR031522WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VV025100.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.307	76	83	96	rVB	85115	85991	16.71%	1.146%
2	1.571	157	165	175	rBV	68764	84432	16.41%	1.125%
3	2.111	322	333	348	rVB	135870	198980	38.67%	2.651%
4	2.773	524	539	555	rBV2	23577	48711	9.47%	0.649%
5	3.895	878	888	929	rBV2	47231	162420	31.56%	2.164%
6	4.352	1015	1030	1054	rBV	87852	221050	42.96%	2.945%
7	5.050	1226	1247	1277	rBV2	208304	514581	100.00%	6.855%
8	5.619	1412	1424	1453	rBV	183593	374666	72.81%	4.991%
9	5.921	1507	1518	1535	rBV4	18257	38155	7.41%	0.508%
10	6.072	1549	1565	1593	rBV	111366	228350	44.38%	3.042%
11	6.580	1711	1723	1736	rBV7	3359	7982	1.55%	0.106%
12	6.989	1840	1850	1872	rBV	49493	91606	17.80%	1.220%
13	7.136	1886	1896	1906	rVB5	3957	7569	1.47%	0.101%
14	7.317	1941	1952	1971	rBV	263268	457587	88.92%	6.096%
15	7.397	1973	1977	1991	rVB2	4373	8132	1.58%	0.108%
16	7.625	2040	2048	2068	rBV	25039	46679	9.07%	0.622%
17	7.940	2134	2146	2152	rBV3	6872	11539	2.24%	0.154%
18	7.979	2152	2158	2168	rVB4	5403	9044	1.76%	0.120%
19	8.088	2183	2192	2231	rBV	196524	367863	71.49%	4.901%
20	8.850	2418	2429	2458	rBV	275479	456059	88.63%	6.076%
21	10.217	2842	2854	2874	rBV	73619	115189	22.39%	1.535%
22	10.381	2893	2905	2918	rBV4	10904	17749	3.45%	0.236%
23	10.914	3064	3071	3084	rVB3	4154	5917	1.15%	0.079%
24	11.249	3164	3175	3194	rVV	281609	445131	86.50%	5.930%
25	11.336	3194	3202	3216	rVB3	5919	8980	1.75%	0.120%
26	11.529	3252	3262	3280	rBV5	6036	13140	2.55%	0.175%
27	11.622	3280	3291	3313	rVB	233650	377773	73.41%	5.033%
28	11.818	3339	3352	3364	rBV	3602	5570	1.08%	0.074%
29	11.911	3370	3381	3386	rBV4	3303	5401	1.05%	0.072%
30	12.017	3405	3414	3421	rBV	16103	23359	4.54%	0.311%
31	12.120	3435	3446	3457	rBV5	4005	9522	1.85%	0.127%
32	12.249	3476	3486	3498	rBV3	6318	10554	2.05%	0.141%
33	12.313	3498	3506	3514	rBV3	5169	8393	1.63%	0.112%
34	12.413	3530	3537	3545	rVV2	4761	6417	1.25%	0.085%
35	12.464	3545	3553	3565	rVB	14763	21624	4.20%	0.288%
36	12.728	3625	3635	3644	rVB3	7047	9867	1.92%	0.131%

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Integrator: RTE

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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\SFAMVTR031522WMA.M
Title : TRACE VOA SFAM1.0

37	12.882	3663	3683	3694	rBV3	16653	34204	6.65%	0.456%
38	12.998	3713	3719	3727	rBV2	5056	6905	1.34%	0.092%
39	13.271	3795	3804	3810	rBV6	7794	12387	2.41%	0.165%
40	13.503	3856	3876	3888	rBV	48038	77113	14.99%	1.027%
41	13.612	3901	3910	3922	rBV2	14106	23199	4.51%	0.309%
42	13.705	3922	3939	3949	rVV3	10650	19659	3.82%	0.262%
43	13.908	3991	4002	4010	rBV4	4920	8205	1.59%	0.109%
44	14.040	4029	4043	4051	rBV2	8534	14344	2.79%	0.191%
45	14.091	4051	4059	4070	rVB6	5470	10431	2.03%	0.139%
46	14.233	4093	4103	4114	rVB5	4018	7088	1.38%	0.094%
47	14.294	4114	4122	4136	rVB8	4986	8979	1.74%	0.120%
48	14.361	4136	4143	4151	rVB3	5380	7494	1.46%	0.100%
49	14.429	4151	4164	4176	rBV7	7550	13572	2.64%	0.181%
50	14.631	4215	4227	4236	rVV2	18323	31555	6.13%	0.420%
51	14.686	4236	4244	4253	rVB7	3939	7321	1.42%	0.098%
52	14.760	4259	4267	4273	rBV8	4006	5908	1.15%	0.079%
53	14.811	4273	4283	4298	rVV	170105	263683	51.24%	3.513%
54	15.361	4433	4454	4465	rBV	110707	178932	34.77%	2.384%
55	15.426	4465	4474	4485	rVB4	14321	22197	4.31%	0.296%
56	15.551	4506	4513	4516	rVV	19622	27780	5.40%	0.370%
57	15.583	4516	4523	4534	rVV	85740	134870	26.21%	1.797%
58	15.667	4534	4549	4569	rVV3	46999	91705	17.82%	1.222%
59	15.808	4582	4593	4602	rBV	247236	384494	74.72%	5.122%
60	16.008	4640	4655	4659	rBV	87011	143094	27.81%	1.906%
61	16.036	4660	4664	4673	rVB2	96646	131693	25.59%	1.754%
62	16.117	4683	4689	4698	rVB5	11464	16460	3.20%	0.219%
63	16.178	4698	4708	4719	rBV	113237	176008	34.20%	2.345%
64	16.226	4720	4723	4731	rVB5	4452	5284	1.03%	0.070%
65	16.284	4731	4741	4752	rBV2	127766	190371	37.00%	2.536%
66	16.381	4753	4771	4781	rBV4	62500	127500	24.78%	1.699%
67	16.438	4781	4789	4792	rBV2	20125	26670	5.18%	0.355%
68	16.477	4793	4801	4807	rBV2	40147	61608	11.97%	0.821%
69	16.516	4807	4813	4819	rVV	30116	34747	6.75%	0.463%
70	16.570	4825	4830	4837	rVB2	36557	48887	9.50%	0.651%
71	16.615	4837	4844	4852	rVV2	40784	59399	11.54%	0.791%
72	16.667	4852	4860	4861	rVV3	16803	20841	4.05%	0.278%
73	16.692	4862	4868	4870	rVV3	34622	46283	8.99%	0.617%
74	16.718	4871	4876	4883	rVV2	65404	98953	19.23%	1.318%
75	16.763	4883	4890	4907	rVB2	67573	133355	25.92%	1.777%
76	16.872	4916	4924	4928	rBV5	11298	17336	3.37%	0.231%

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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

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Title : TRACE VOA SFAM1.0

77	16.911	4928	4936	4946	rVB	68533	104165	20.24%	1.388%
78	16.972	4946	4955	4965	rBV2	37540	58205	11.31%	0.775%
79	17.104	4978	4996	4997	rBV3	37311	63517	12.34%	0.846%
80	17.252	5034	5042	5054	rVB7	14507	25514	4.96%	0.340%
81	17.323	5057	5064	5077	rVB9	10746	18309	3.56%	0.244%

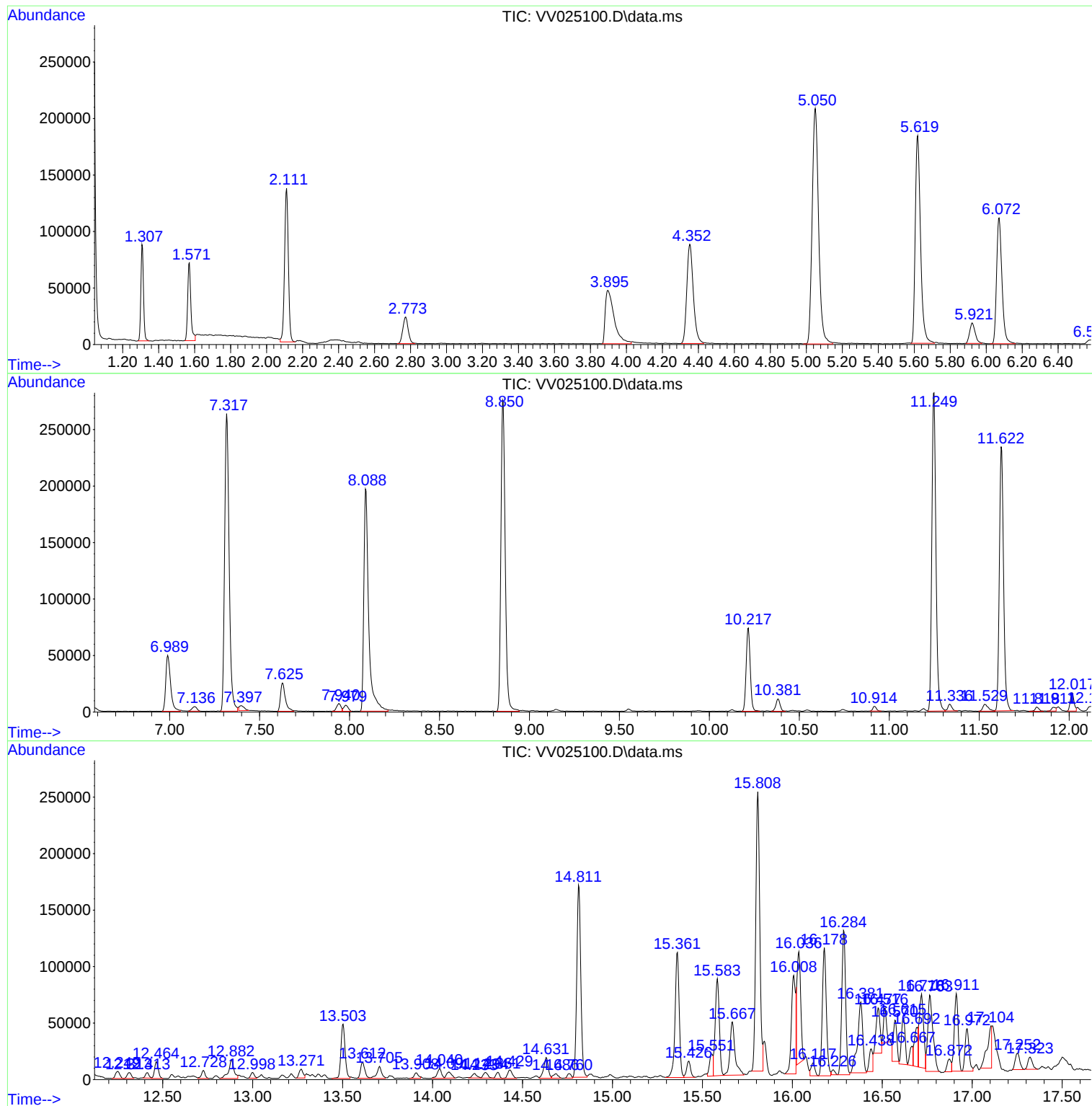
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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Instrument :
MSVOA_V
ClientSampleId :
C0QA6

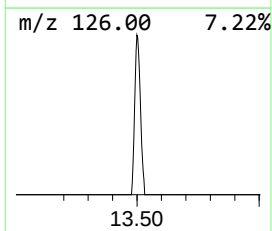
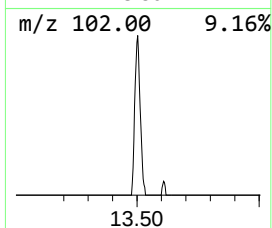
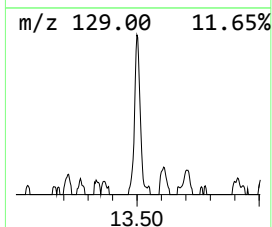
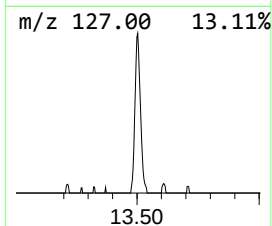
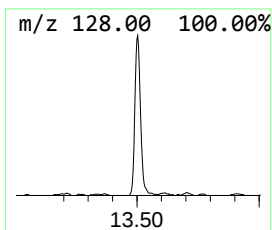
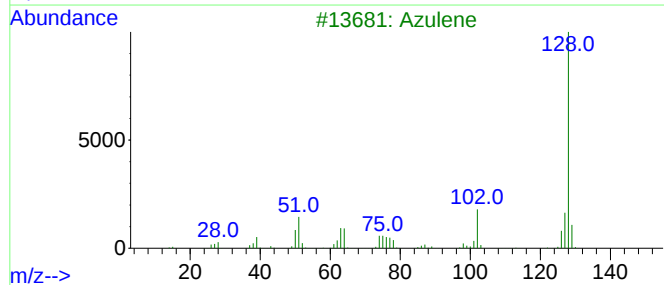
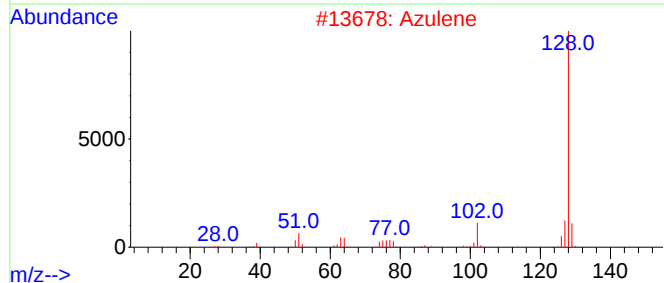
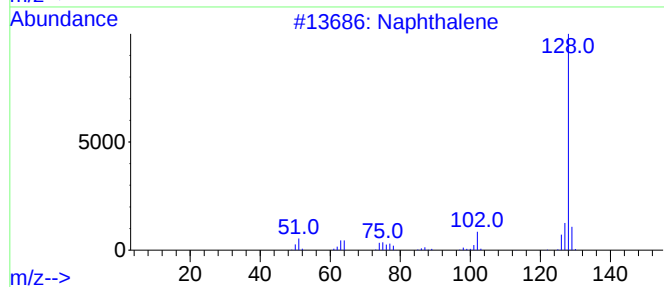
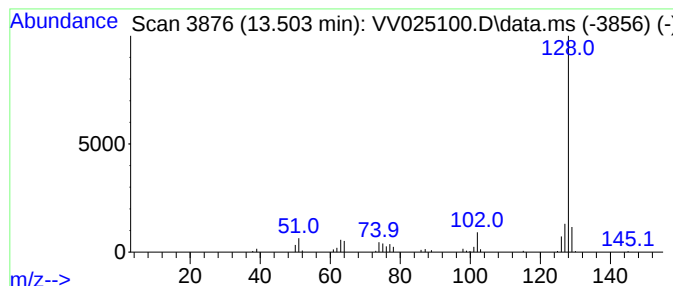
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 Azulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.503	0.87 ug/L	77113	1,4-Dichlorobenzene-d4	11.249

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



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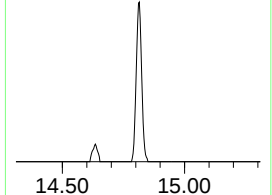
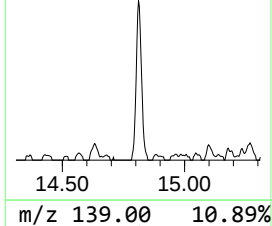
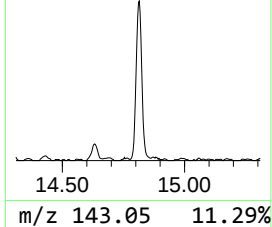
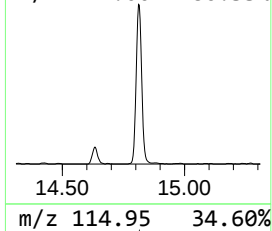
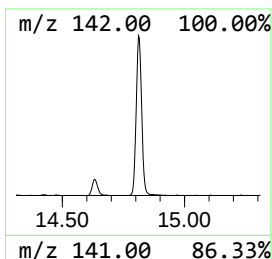
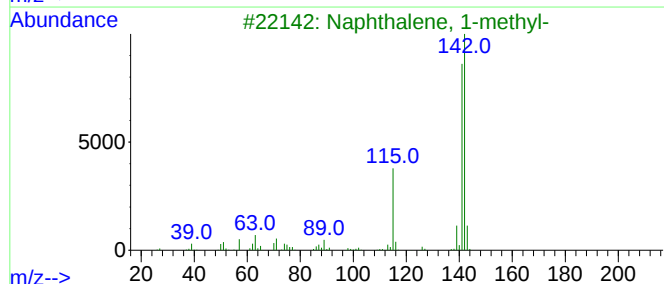
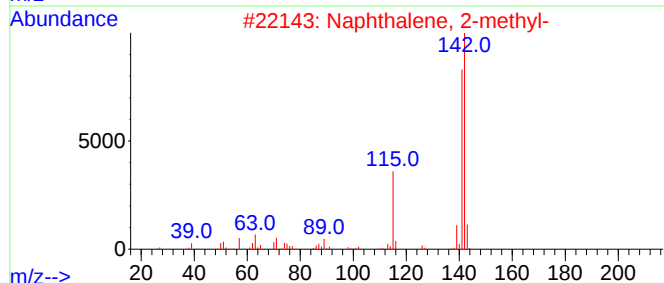
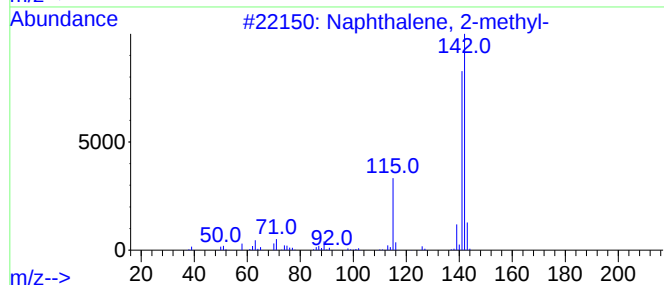
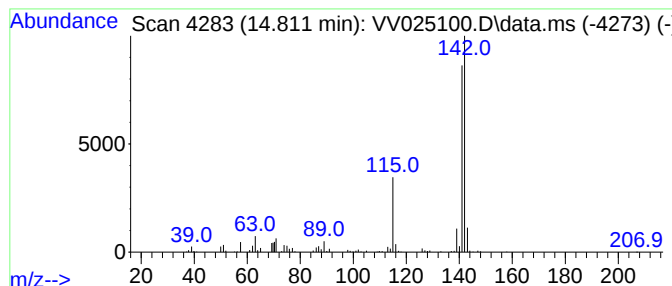
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.811	2.96 ug/L	263683	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



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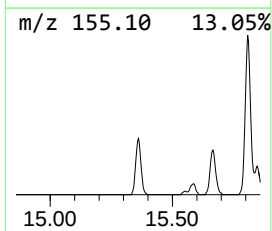
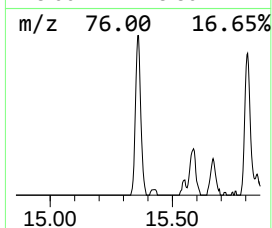
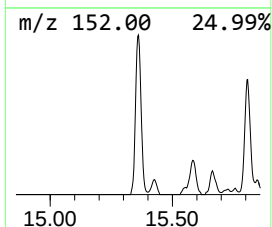
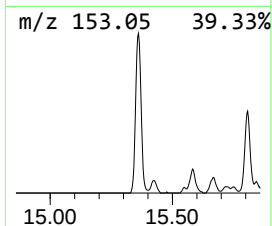
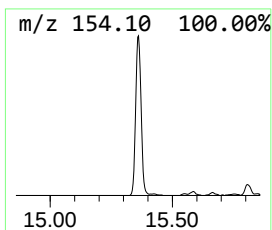
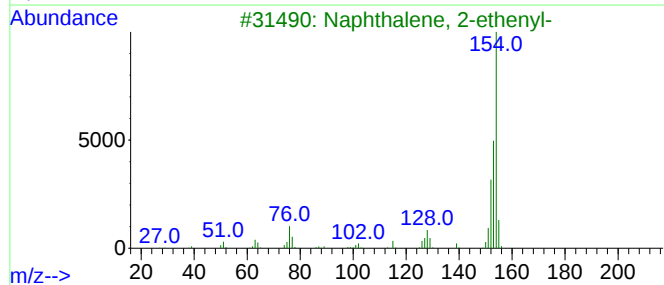
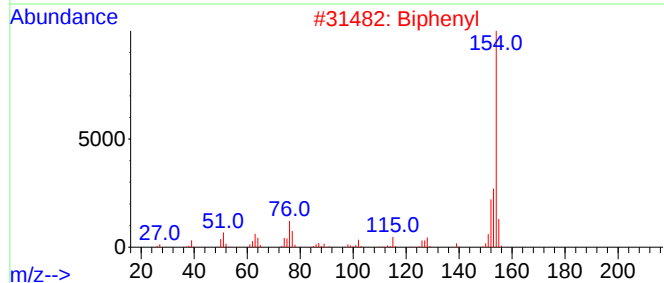
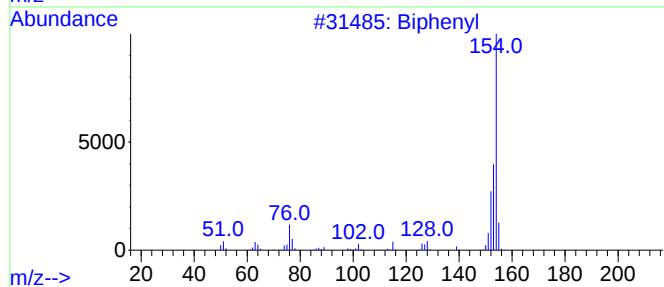
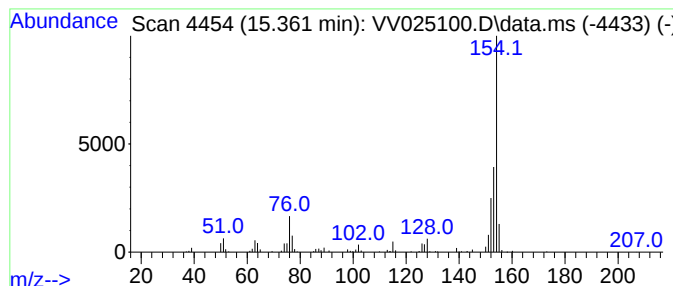
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 4 Biphenyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.361	2.01 ug/L	178932	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl			154	C12H10	000092-52-4	95
2	Biphenyl			154	C12H10	000092-52-4	94
3	Naphthalene, 2-ethenyl-			154	C12H10	000827-54-3	94
4	Biphenyl			154	C12H10	000092-52-4	93
5	Biphenyl			154	C12H10	000092-52-4	93



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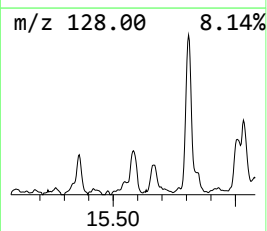
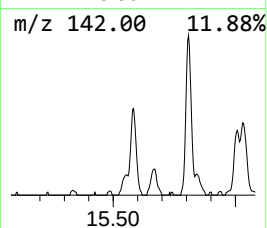
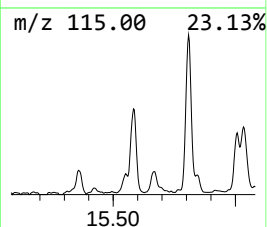
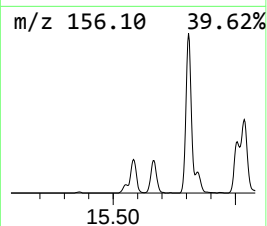
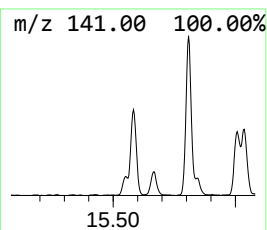
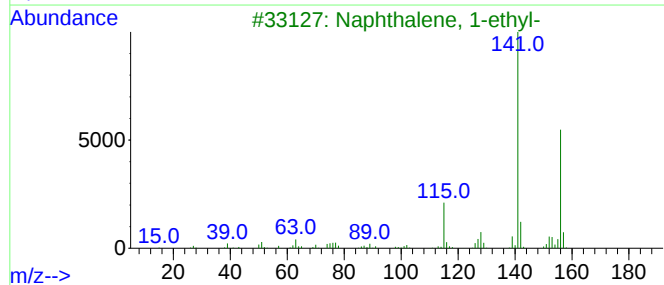
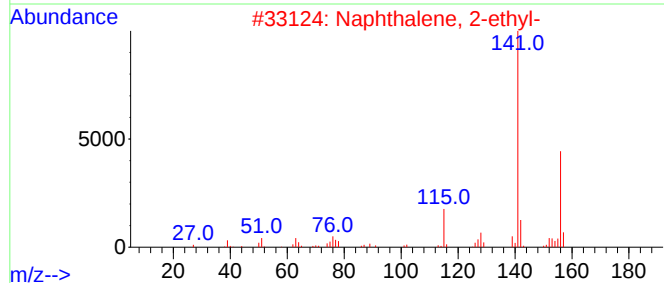
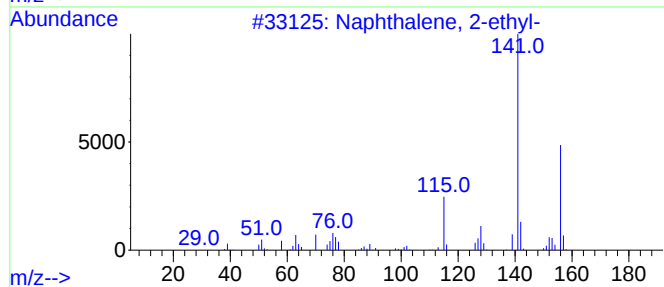
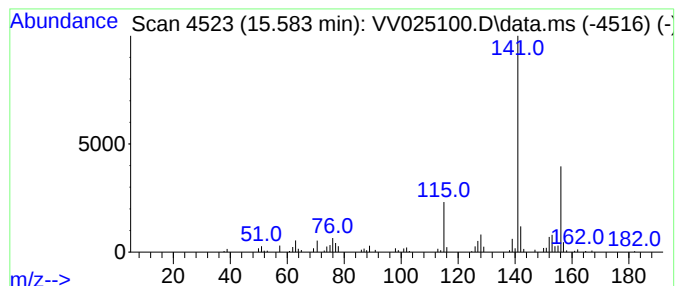
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.583	1.51 ug/L	134870	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

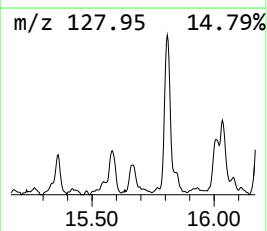
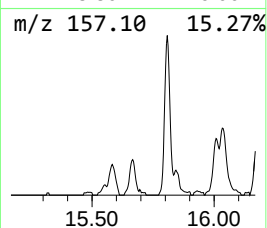
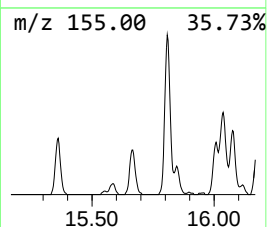
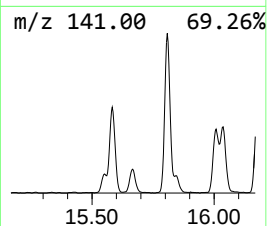
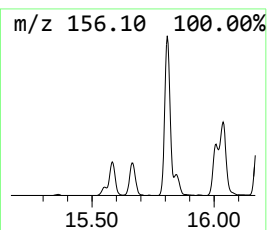
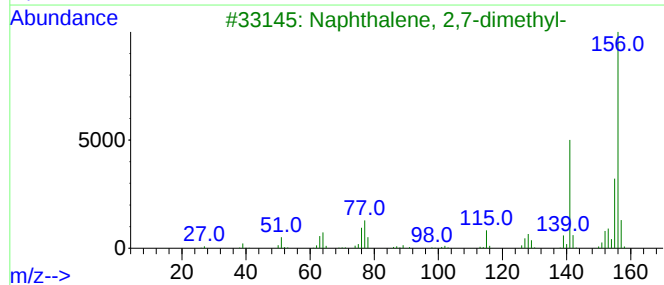
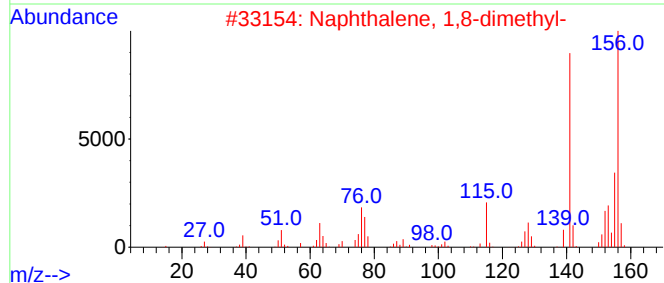
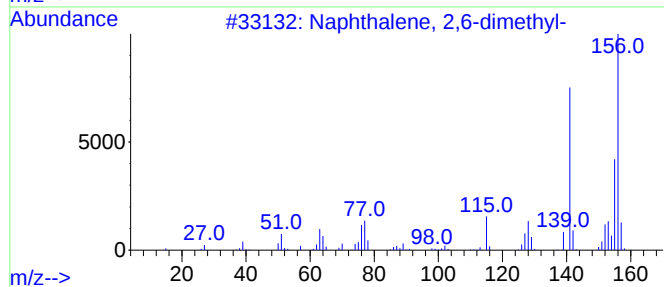
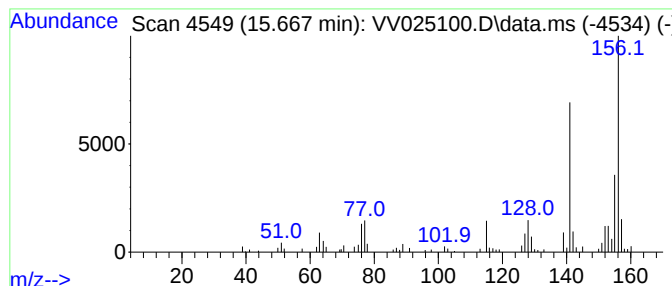
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.667	1.03 ug/L	91705	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

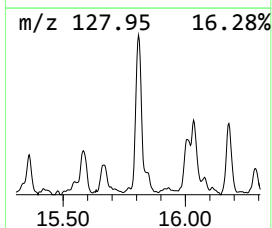
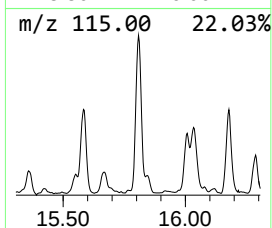
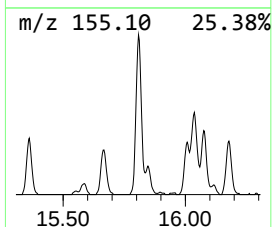
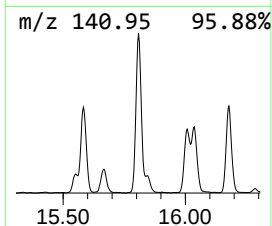
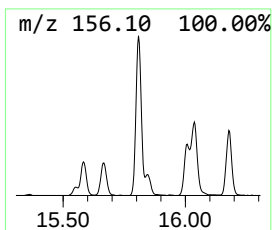
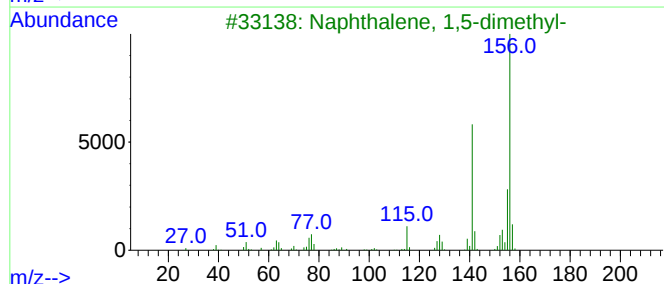
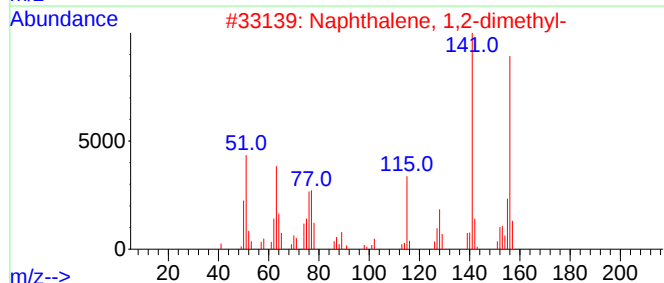
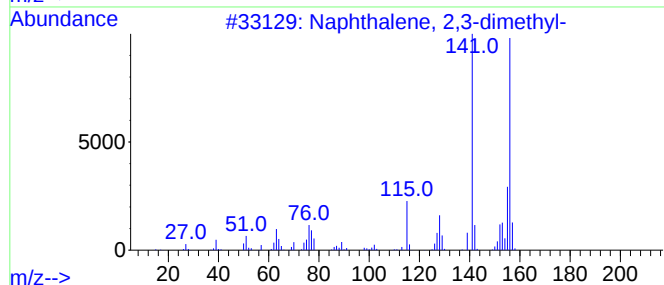
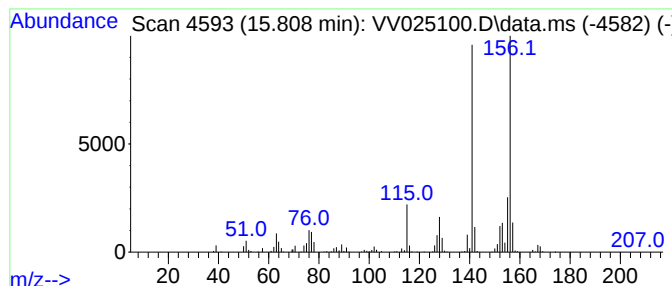
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.808	4.32 ug/L	384494	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

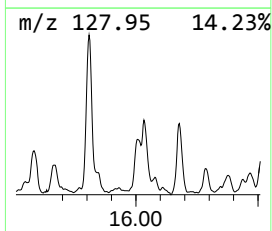
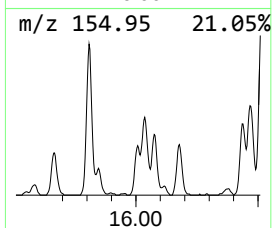
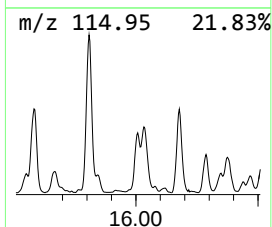
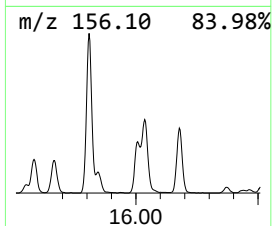
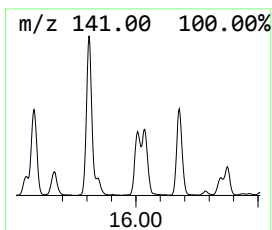
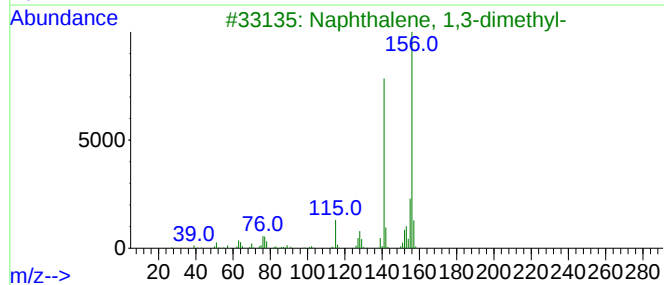
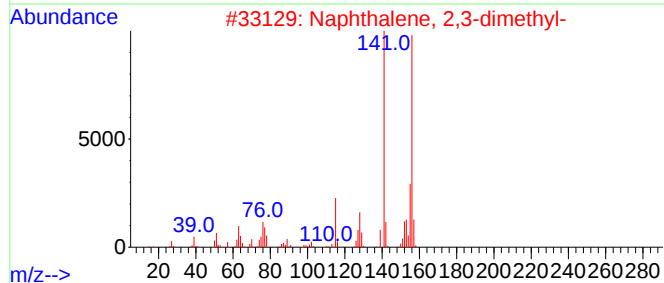
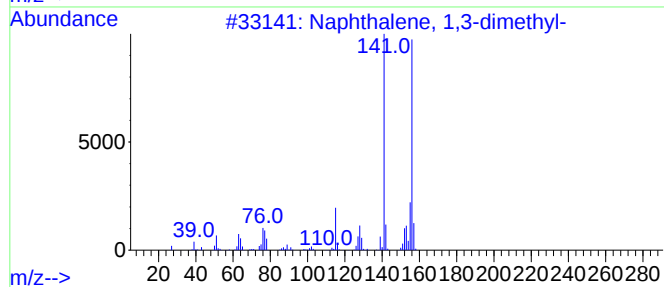
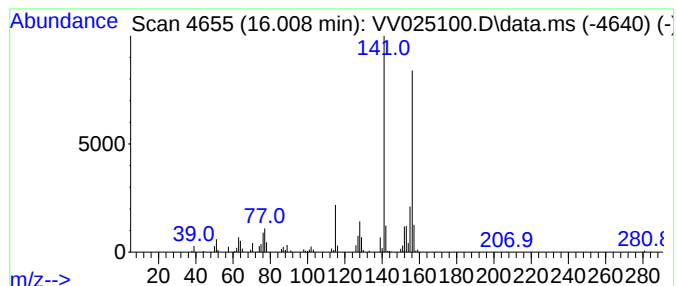
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.008	1.61 ug/L	143094	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

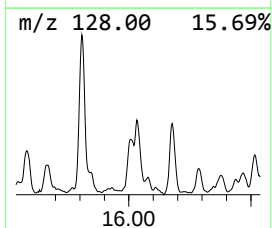
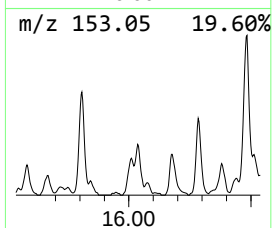
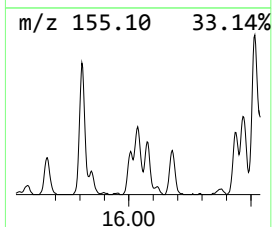
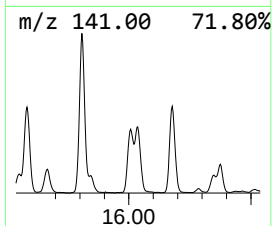
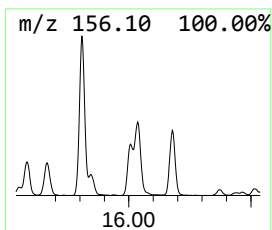
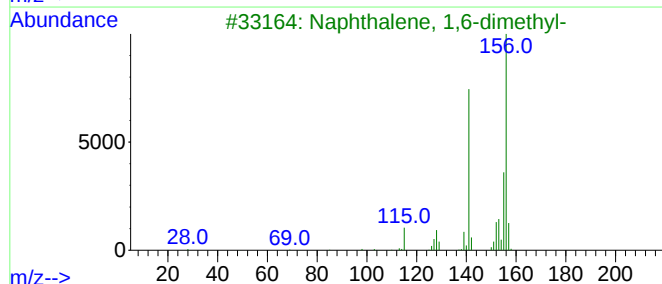
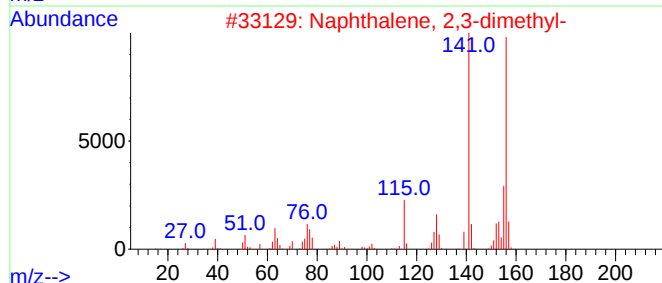
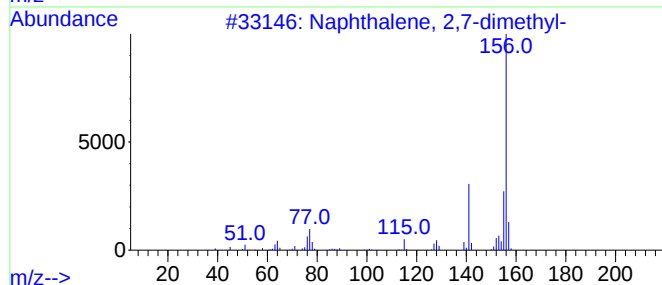
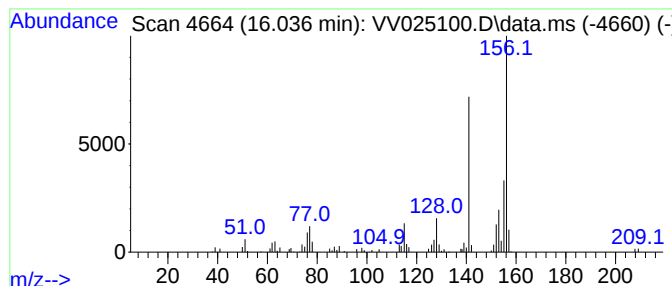
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.037	1.48 ug/L	131693	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

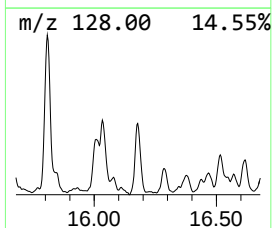
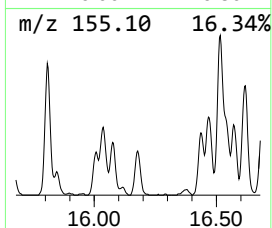
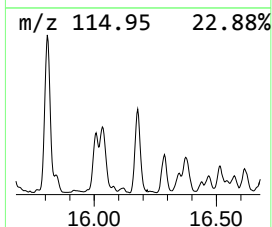
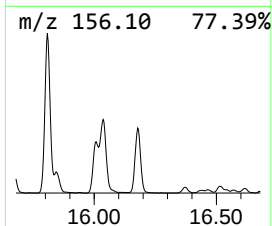
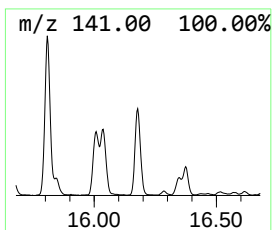
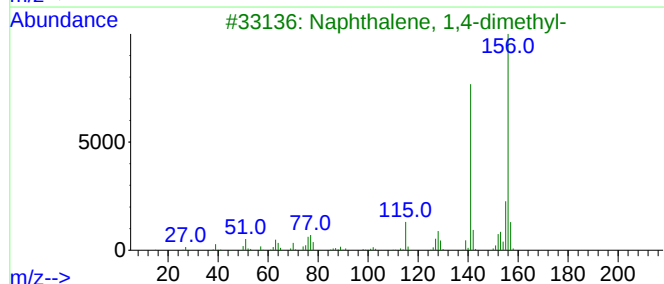
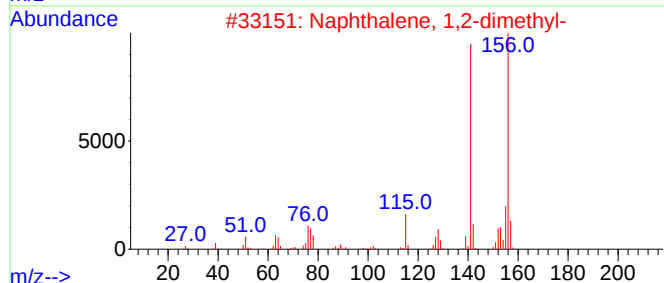
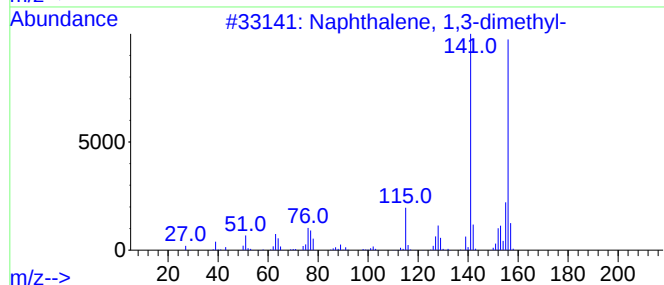
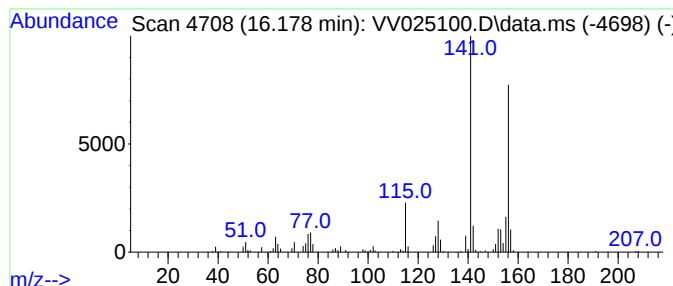
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.178	1.98 ug/L	176008	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

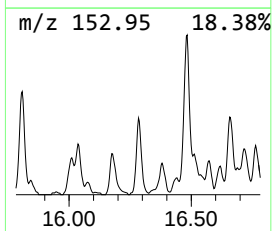
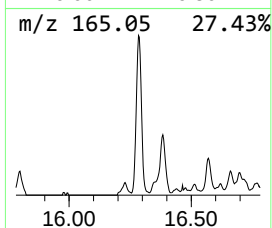
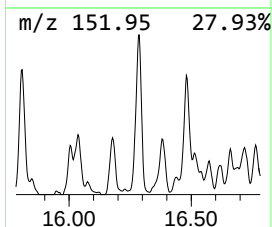
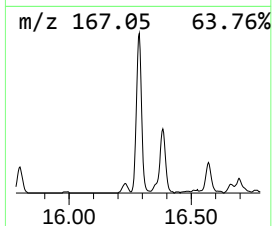
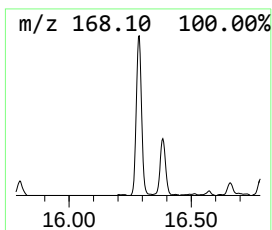
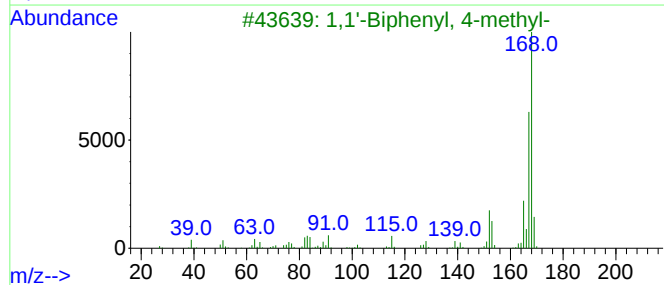
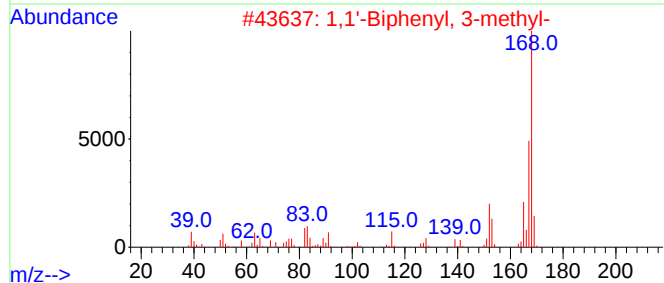
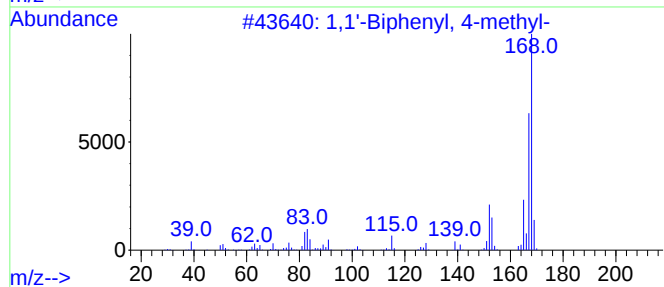
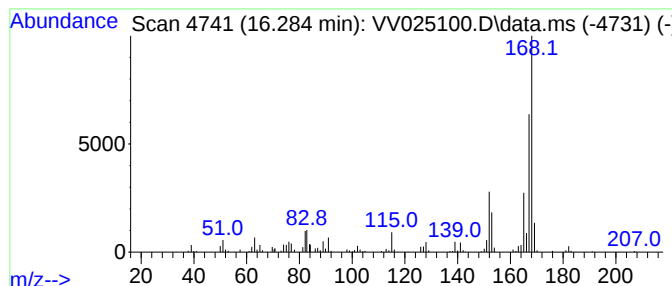
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 11 1,1'-Biphenyl, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.284	2.14 ug/L	190371	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	96
2	1,1'-Biphenyl, 3-methyl-			168	C13H12	000643-93-6	96
3	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	95
4	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	95
5	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

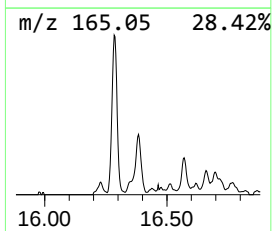
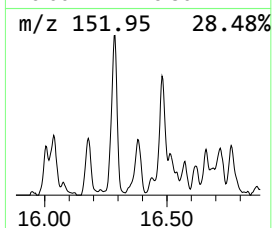
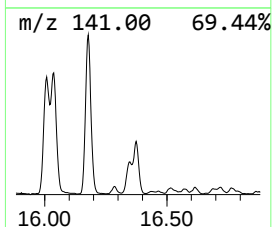
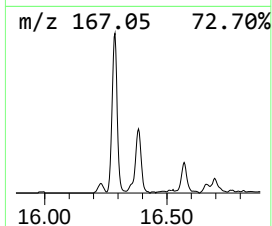
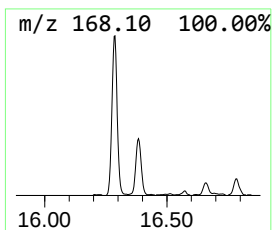
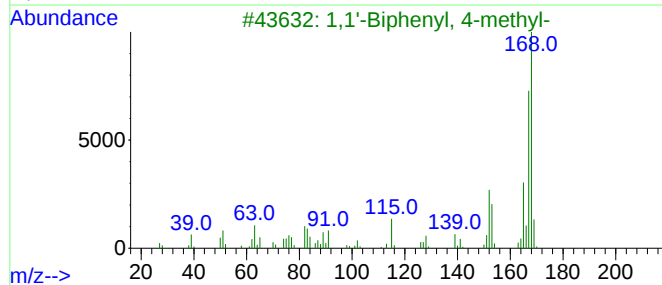
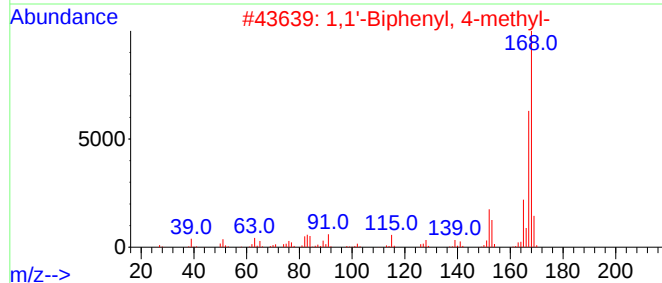
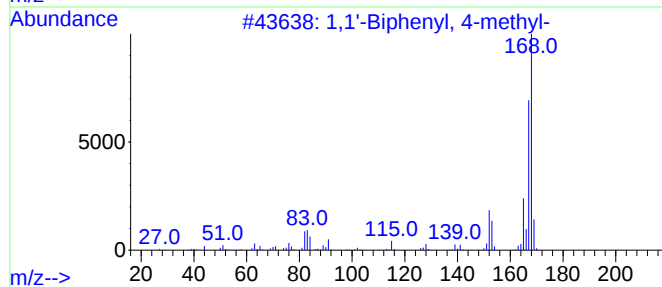
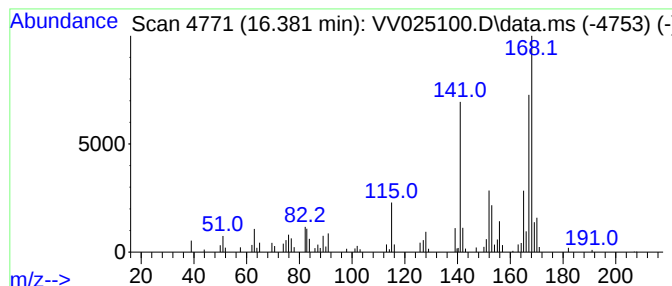
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 12 1,1'-Biphenyl, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.381	1.43 ug/L	127500	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	96
2	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	96
3	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	96
4	1,1'-Biphenyl, 3-methyl-			168	C13H12	000643-93-6	93
5	1,1'-Biphenyl, 4-methyl-			168	C13H12	000644-08-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

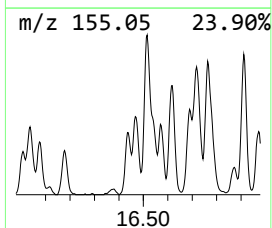
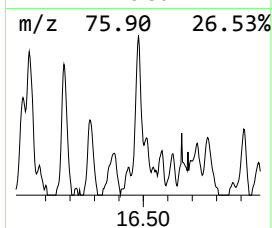
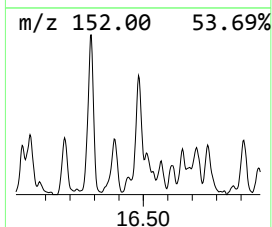
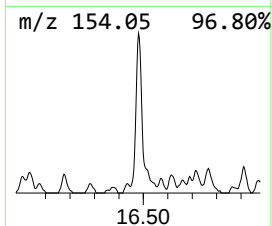
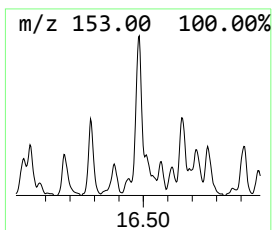
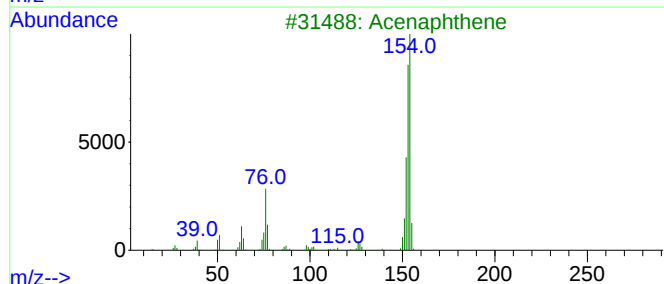
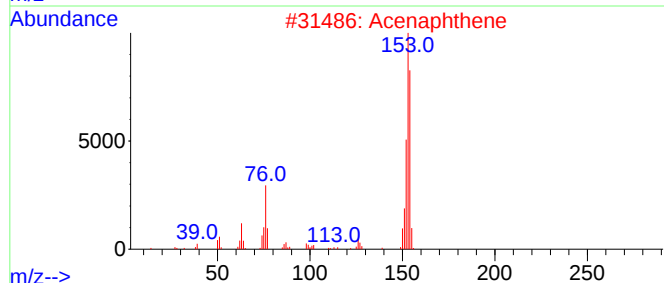
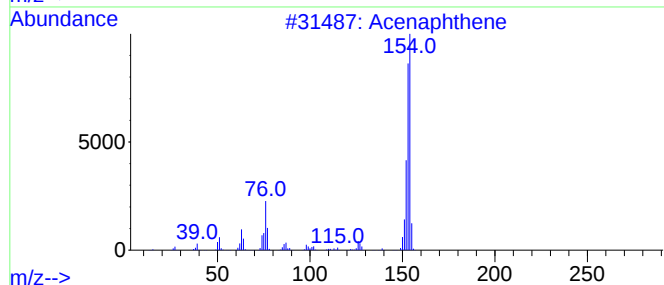
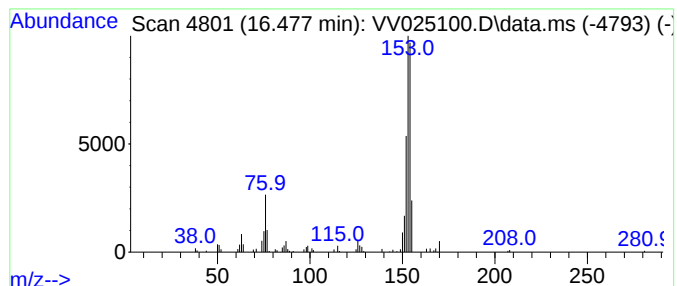
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 13 Acenaphthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.477	0.69 ug/L	61608	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	90
2			Acenaphthene	154	C12H10	000083-32-9	86
3			Acenaphthene	154	C12H10	000083-32-9	76
4			Acenaphthene	154	C12H10	000083-32-9	76
5			Hexa-2,4-diyn-1-ylbenzene	154	C12H10	000520-74-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

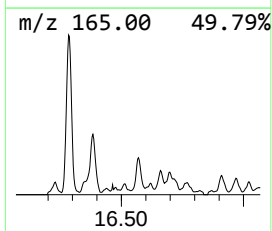
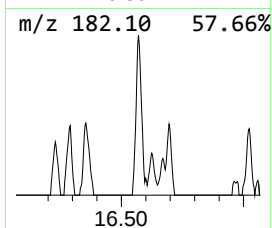
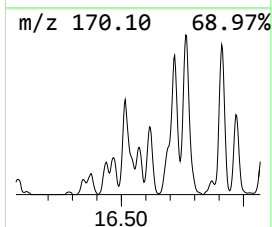
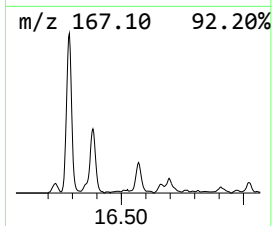
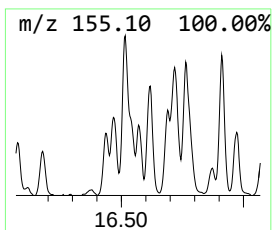
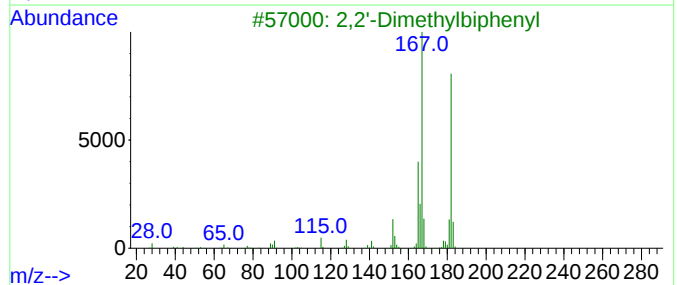
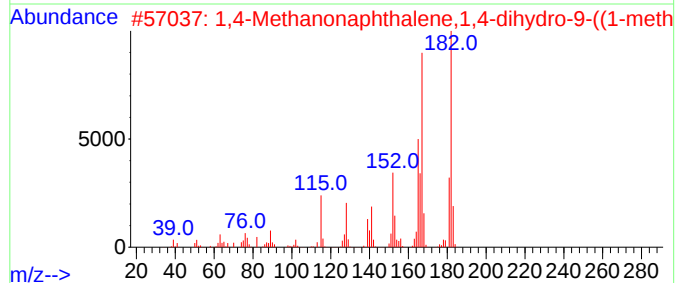
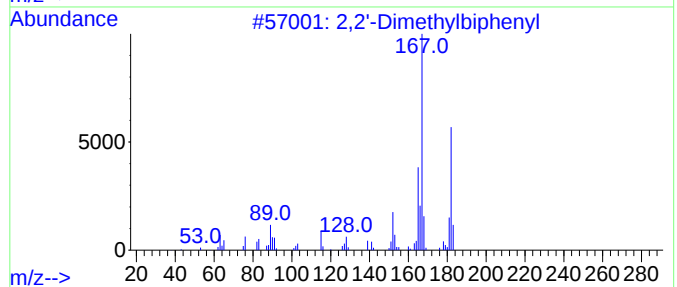
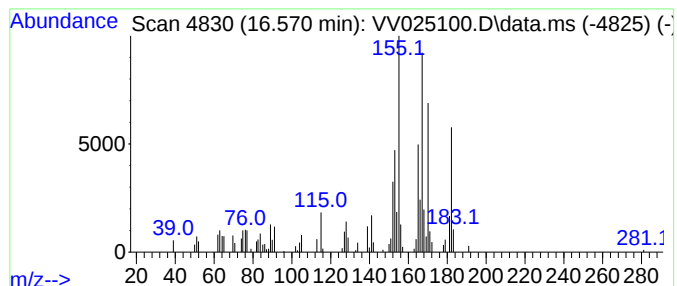
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 14 2,2'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.570	0.55 ug/L	48887	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	95
2			1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	91
3			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	70
4			1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	70
5			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

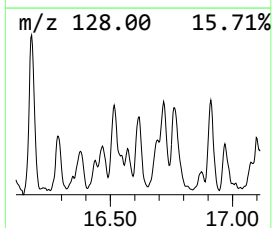
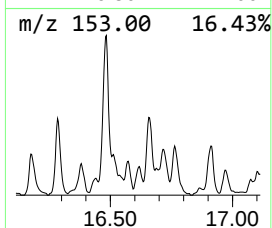
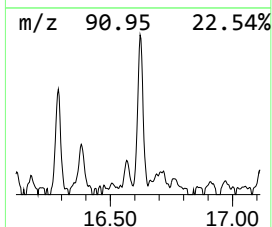
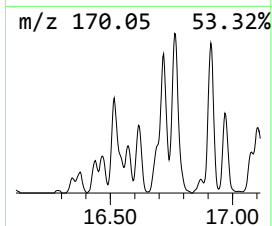
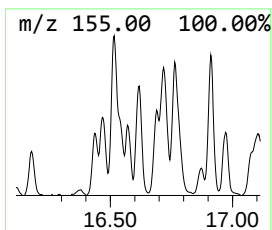
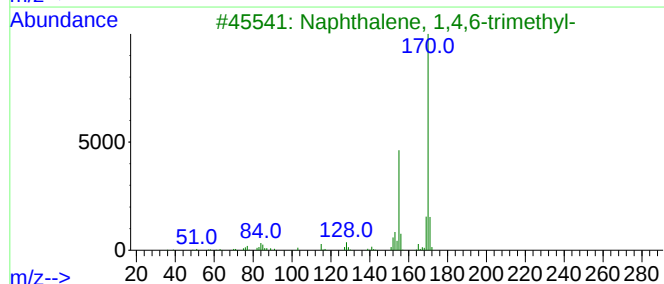
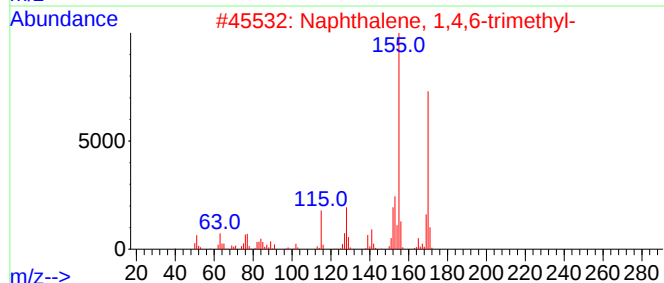
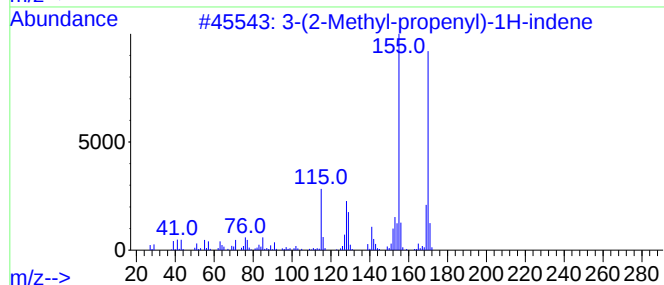
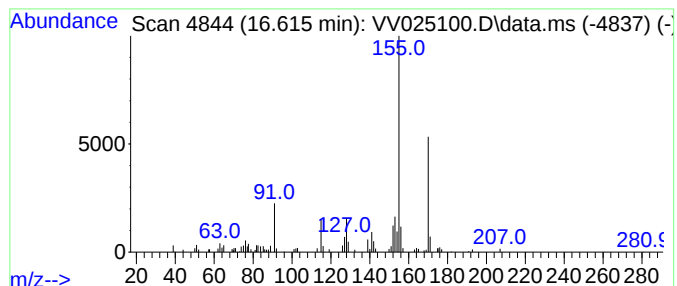
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 15 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.615	0.67 ug/L	59399	1,4-Dichlorobenzene-d4	11.249

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

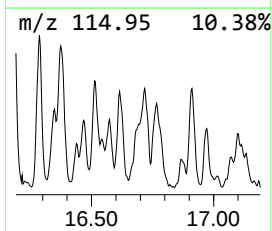
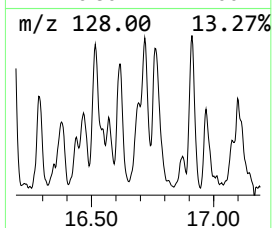
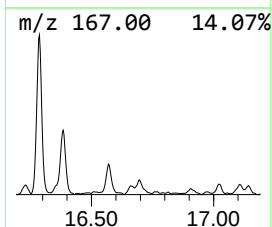
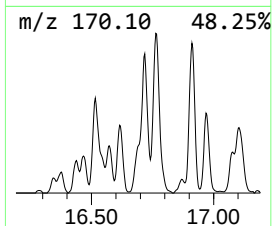
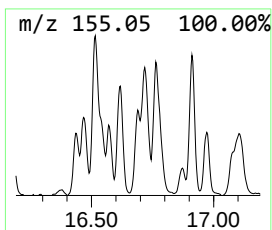
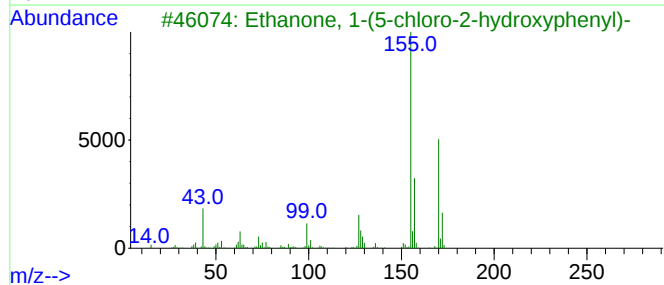
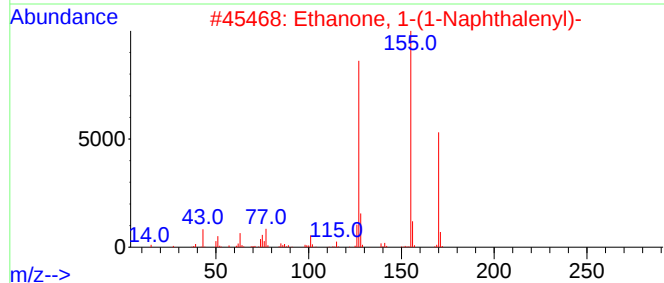
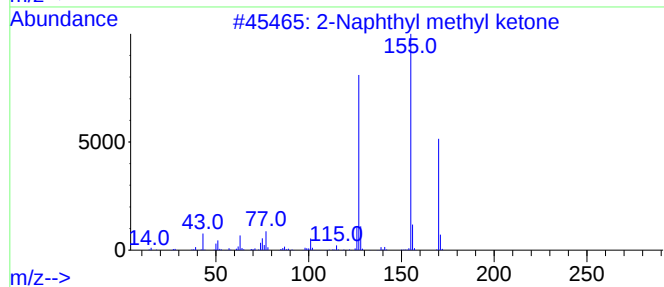
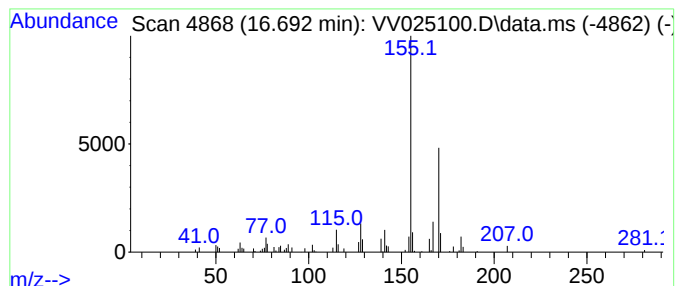
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 16 2-Naphthyl methyl ketone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.692	0.52 ug/L	46283	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
2			Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72
3			Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
4			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5			2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

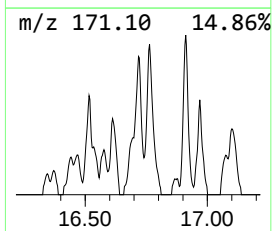
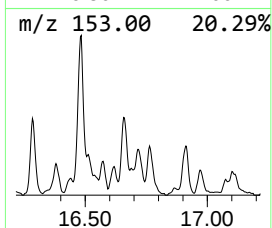
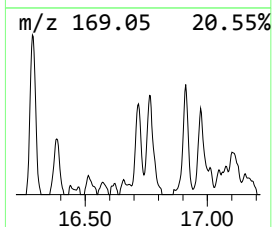
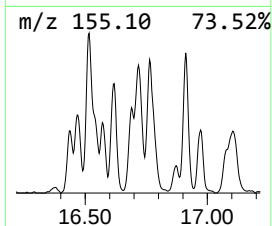
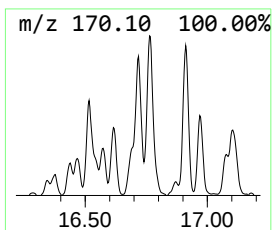
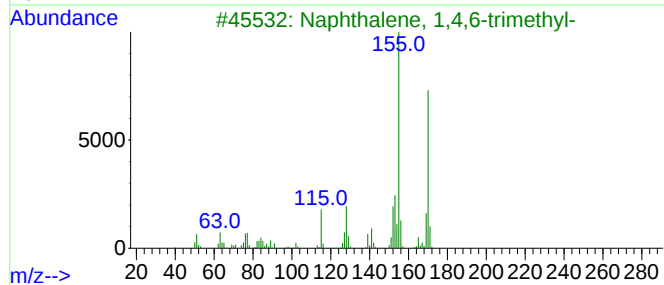
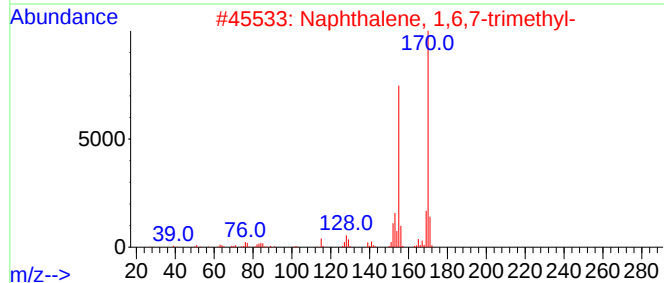
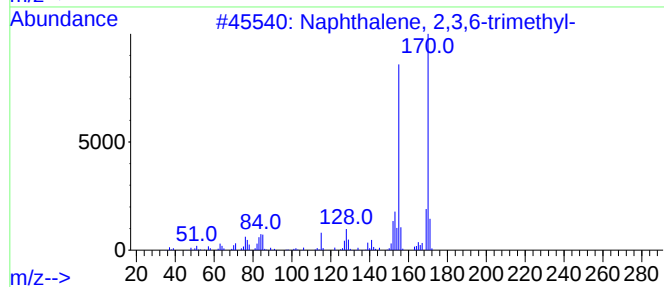
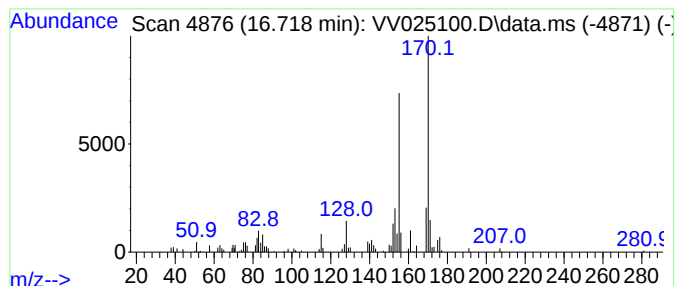
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.718	1.11 ug/L	98953	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

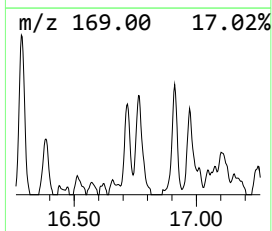
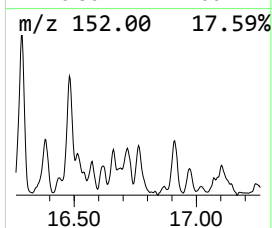
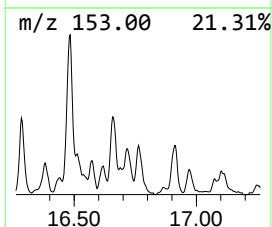
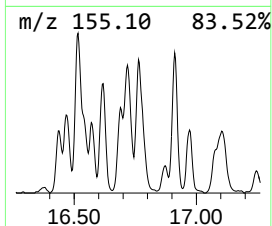
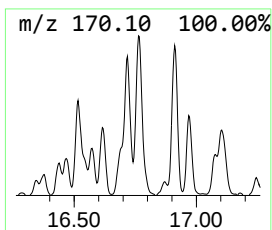
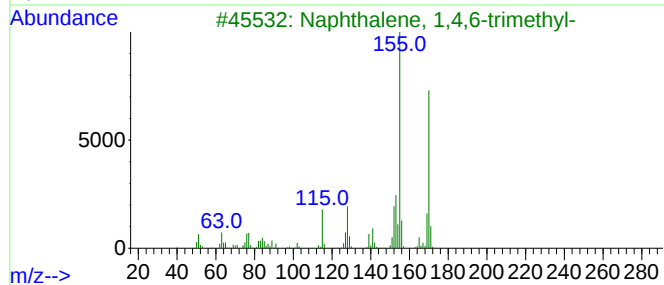
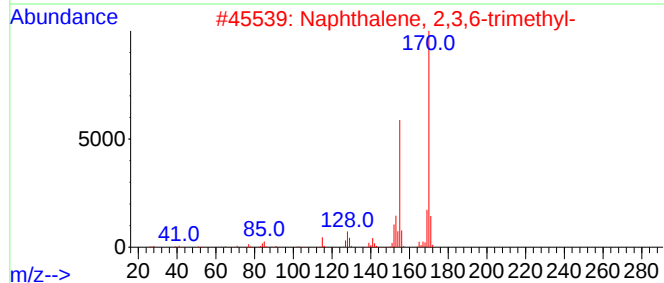
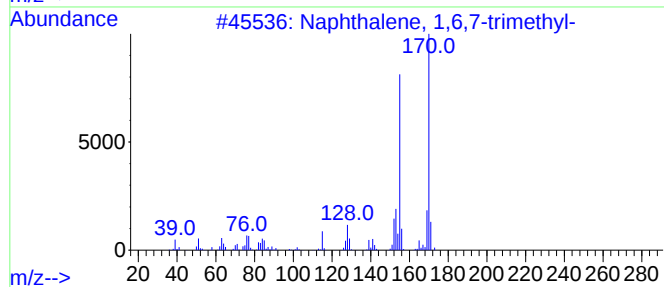
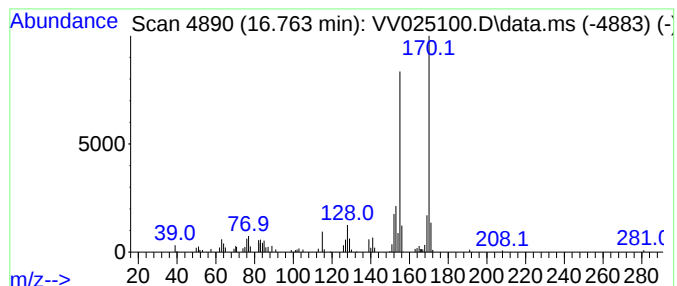
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.763	1.50 ug/L	133355	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

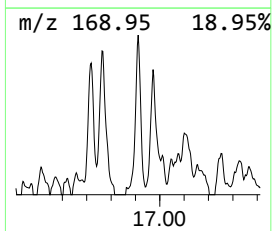
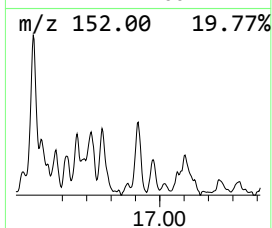
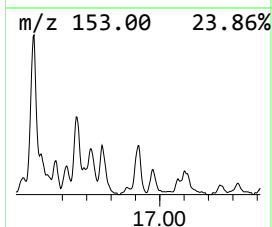
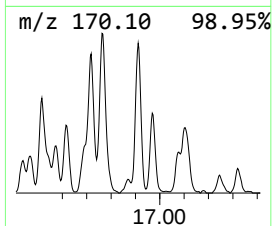
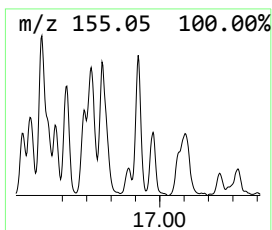
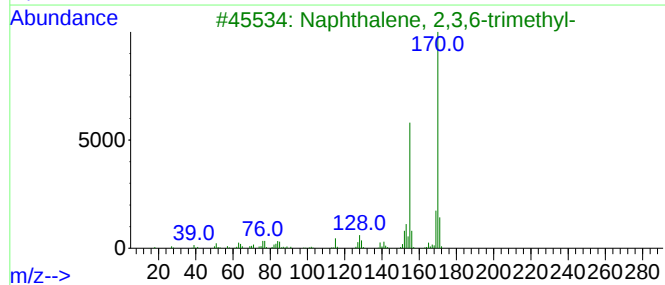
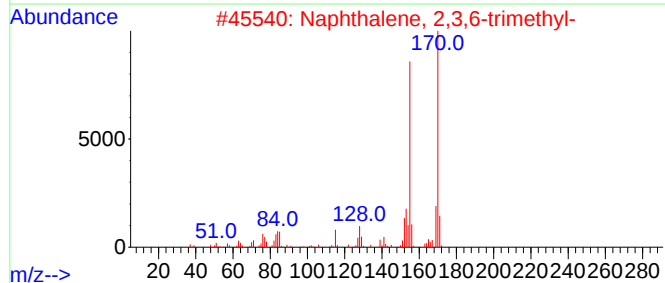
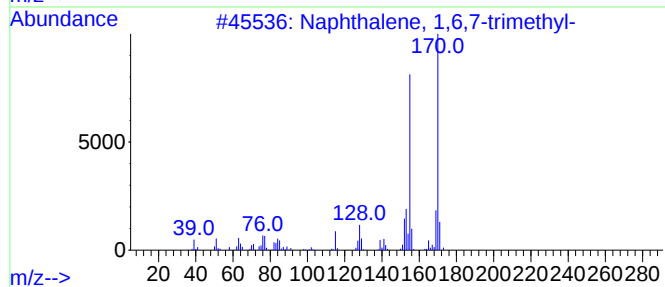
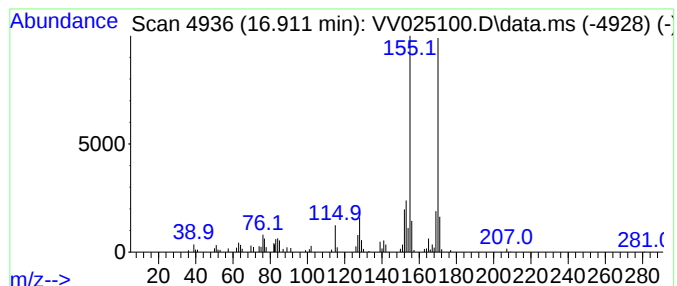
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 19 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.911	1.17 ug/L	104165	1,4-Dichlorobenzene-d4	11.249

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

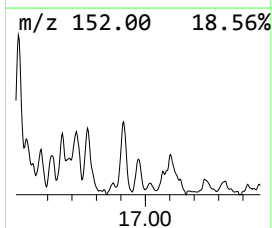
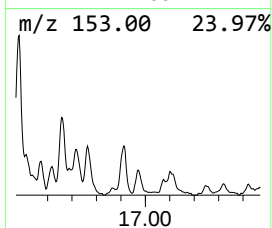
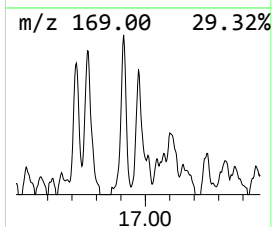
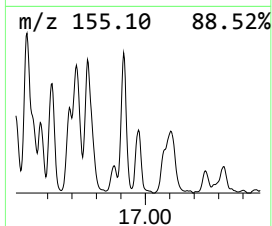
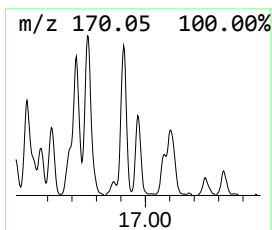
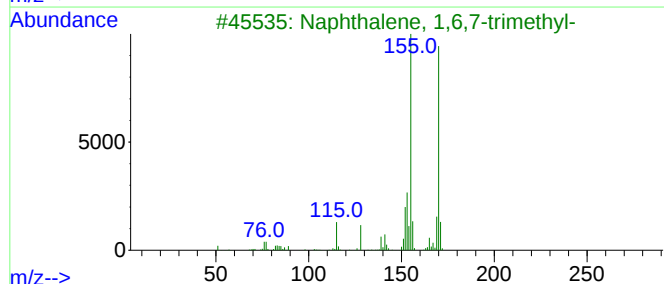
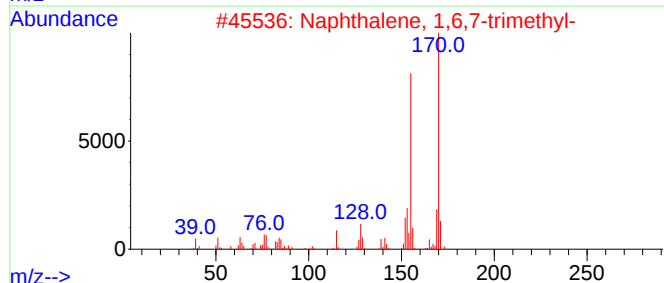
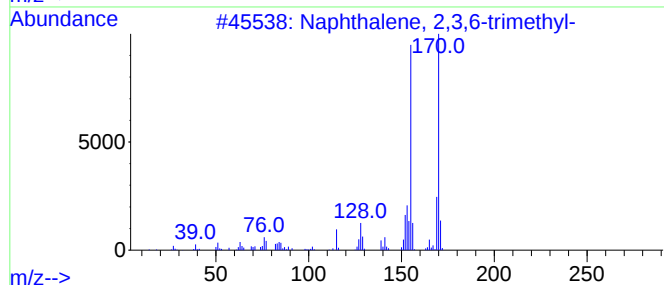
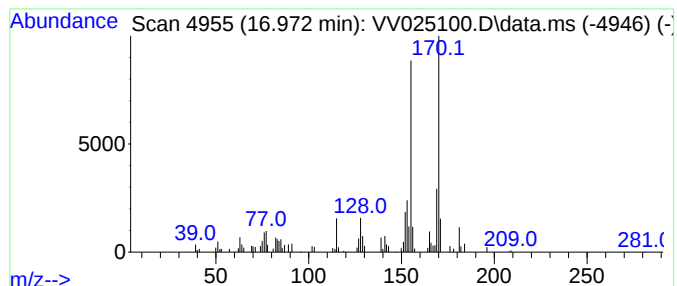
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 20 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.972	0.65 ug/L	58205	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
Data File : VV025100.D
Acq On : 18 Mar 2022 16:09
Operator : SY/MD
Sample : N2018-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0QA6

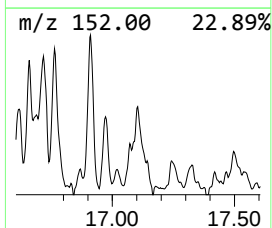
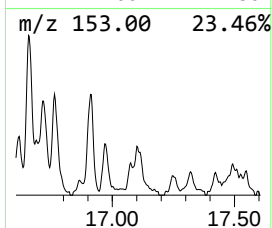
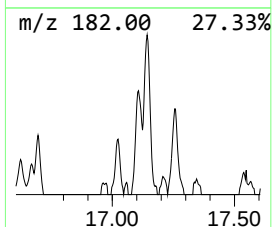
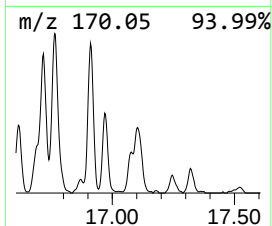
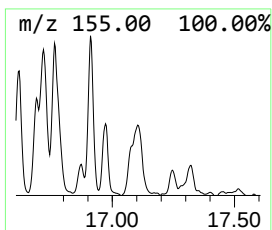
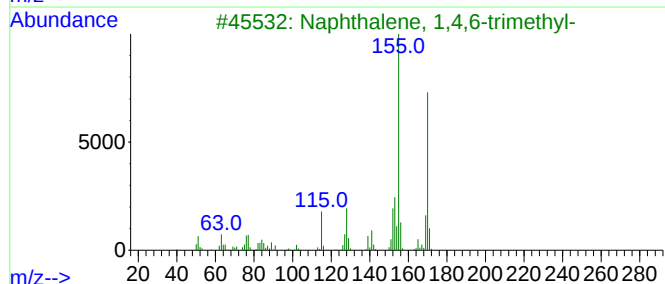
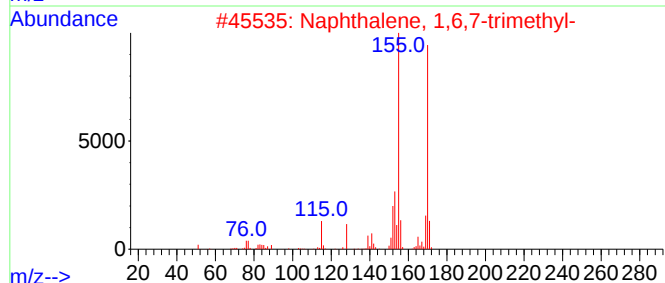
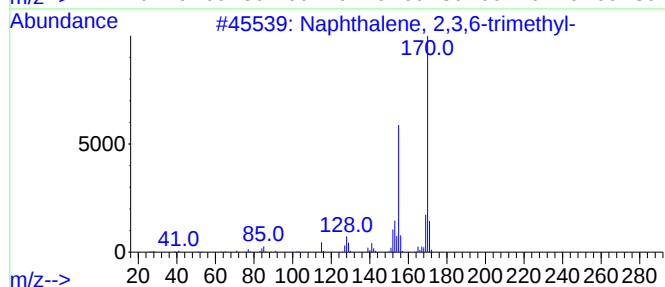
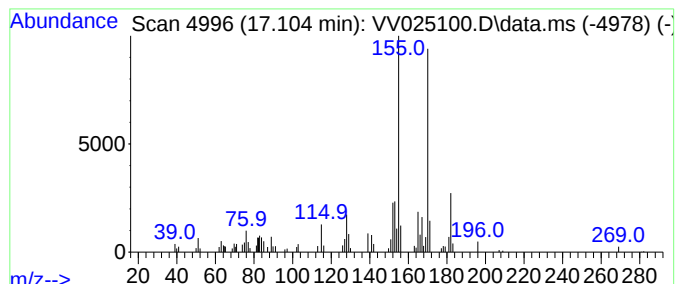
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 21 4,6,8-Trimethylazulene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.104	0.71 ug/L	63517	1,4-Dichlorobenzene-d4	11.249

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031822\
 Data File : VV025100.D
 Acq On : 18 Mar 2022 16:09
 Operator : SY/MD
 Sample : N2018-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0QA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Azulene	13.503	0.9	ug/L	77113	3	11.249	445131	5.0
Naphthalene, 2-...	14.811	3.0	ug/L	263683	3	11.249	445131	5.0
Biphenyl	15.361	2.0	ug/L	178932	3	11.249	445131	5.0
Naphthalene, 2-...	15.583	1.5	ug/L	134870	3	11.249	445131	5.0
Naphthalene, 2,...	15.667	1.0	ug/L	91705	3	11.249	445131	5.0
Naphthalene, 2,...	15.808	4.3	ug/L	384494	3	11.249	445131	5.0
Naphthalene, 1,...	16.008	1.6	ug/L	143094	3	11.249	445131	5.0
Naphthalene, 2,...	16.037	1.5	ug/L	131693	3	11.249	445131	5.0
Naphthalene, 1,...	16.178	2.0	ug/L	176008	3	11.249	445131	5.0
1,1'-Biphenyl, ...	16.284	2.1	ug/L	190371	3	11.249	445131	5.0
1,1'-Biphenyl, ...	16.381	1.4	ug/L	127500	3	11.249	445131	5.0
Acenaphthene	16.477	0.7	ug/L	61608	3	11.249	445131	5.0
2,2'-Dimethylbi...	16.570	0.6	ug/L	48887	3	11.249	445131	5.0
3-(2-Methyl-pro...	16.615	0.7	ug/L	59399	3	11.249	445131	5.0
2-Naphthyl meth...	16.692	0.5	ug/L	46283	3	11.249	445131	5.0
Naphthalene, 2,...	16.718	1.1	ug/L	98953	3	11.249	445131	5.0
Naphthalene, 1,...	16.763	1.5	ug/L	133355	3	11.249	445131	5.0
Naphthalene, 1,...	16.911	1.2	ug/L	104165	3	11.249	445131	5.0
unknown-01	16.972	0.7	ug/L	58205	3	11.249	445131	5.0
4,6,8-Trimethyl...	17.104	0.7	ug/L	63517	3	11.249	445131	5.0