

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
 Data File : VU047361.D
 Acq On : 07 Mar 2022 12:46
 Operator : SY/MD
 Sample : N1773-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VU047361.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.366	3	8	28	rVB	697900	711170	7.44%	1.001%
2	1.604	71	82	92	rBV3	284899	495569	5.18%	0.697%
3	1.925	171	182	199	rBV	82719	118867	1.24%	0.167%
4	2.584	372	387	413	rBV2	1062561	1823849	19.07%	2.567%
5	3.871	775	787	808	rVB2	67105	160835	1.68%	0.226%
6	4.671	1017	1036	1098	rBV2	964937	2461389	25.73%	3.464%
7	5.076	1146	1162	1184	rVB	135207	307591	3.22%	0.433%
8	5.324	1222	1239	1257	rBV	170813	388499	4.06%	0.547%
9	5.739	1344	1368	1404	rBV2	287934	706926	7.39%	0.995%
10	6.279	1522	1536	1556	rVB	224508	418167	4.37%	0.588%
11	6.565	1605	1625	1659	rBV	2472017	4551797	47.59%	6.405%
12	6.716	1659	1672	1695	rVB	172751	339779	3.55%	0.478%
13	6.912	1719	1733	1747	rBV2	45473	98066	1.03%	0.138%
14	7.584	1923	1942	1958	rBV	94039	164963	1.72%	0.232%
15	7.912	2027	2044	2058	rBV	331236	567536	5.93%	0.799%
16	8.192	2121	2131	2143	rBV	61165	101852	1.06%	0.143%
17	8.562	2232	2246	2260	rBV	3361406	5636231	58.93%	7.931%
18	8.652	2263	2274	2293	rVB	445241	804049	8.41%	1.131%
19	8.800	2308	2320	2367	rVB	498937	867077	9.07%	1.220%
20	9.423	2502	2514	2538	rVB	305978	508146	5.31%	0.715%
21	10.346	2789	2801	2823	rVB	141543	228521	2.39%	0.322%
22	10.674	2892	2903	2919	rBV	166763	275645	2.88%	0.388%
23	10.761	2919	2930	2939	rBV	159444	254571	2.66%	0.358%
24	11.124	3029	3043	3049	rBV4	56511	120330	1.26%	0.169%
25	11.298	3090	3097	3109	rVB3	74882	117048	1.22%	0.165%
26	11.388	3114	3125	3132	rBV2	63622	112229	1.17%	0.158%
27	11.459	3138	3147	3173	rVB	451789	768310	8.03%	1.081%
28	11.581	3174	3185	3198	rBV	177716	300425	3.14%	0.423%
29	11.693	3208	3220	3233	rBV4	830884	1528568	15.98%	2.151%
30	11.816	3247	3258	3267	rBV	390438	649417	6.79%	0.914%
31	11.870	3267	3275	3284	rVV	119224	194024	2.03%	0.273%
32	11.944	3285	3298	3302	rVV	373149	643635	6.73%	0.906%
33	11.976	3302	3308	3322	rVB	525714	817542	8.55%	1.150%
34	12.192	3359	3375	3390	rVB5	386977	1075815	11.25%	1.514%
35	12.330	3410	3418	3429	rVV3	166870	291951	3.05%	0.411%
36	12.401	3430	3440	3453	rVB4	99347	226667	2.37%	0.319%

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37	12.542	3474	3484	3497	rBV7	92627	205676	2.15%	0.289%
38	12.841	3569	3577	3583	rBV2	159513	220849	2.31%	0.311%
39	12.886	3583	3591	3599	rBV	436124	601073	6.28%	0.846%
40	12.957	3600	3613	3622	rVB8	160947	471517	4.93%	0.664%
41	13.008	3622	3629	3634	rBV4	169278	243711	2.55%	0.343%
42	13.050	3635	3642	3652	rVB3	481306	705787	7.38%	0.993%
43	13.137	3661	3669	3679	rBV	364444	578502	6.05%	0.814%
44	13.198	3682	3688	3702	rVB5	124693	267412	2.80%	0.376%
45	13.436	3752	3762	3784	rBV2	3053403	6171829	64.53%	8.685%
46	13.533	3785	3792	3799	rBV4	354845	544345	5.69%	0.766%
47	13.590	3801	3810	3817	rBV	2228876	3907003	40.85%	5.498%
48	13.729	3847	3853	3866	rVB4	472571	729646	7.63%	1.027%
49	13.851	3885	3891	3896	rBV5	350343	549623	5.75%	0.773%
50	14.002	3918	3938	3944	rBV3	1502072	3998292	41.80%	5.626%
51	14.050	3945	3953	3961	rVV2	1268059	2173435	22.72%	3.058%
52	14.095	3962	3967	3972	rBV	773829	890290	9.31%	1.253%
53	14.195	3987	3998	4011	rVB2	3282679	6029724	63.04%	8.485%
54	14.455	4070	4079	4087	rBV	7097051	9564407	100.00%	13.459%
55	15.211	4307	4314	4327	rVB2	1210714	1916411	20.04%	2.697%
56	15.401	4367	4373	4380	rVB	1461334	1726265	18.05%	2.429%
57	15.976	4547	4552	4566	rVB2	255411	401764	4.20%	0.565%
58	16.291	4644	4650	4674	rVB	198392	328879	3.44%	0.463%

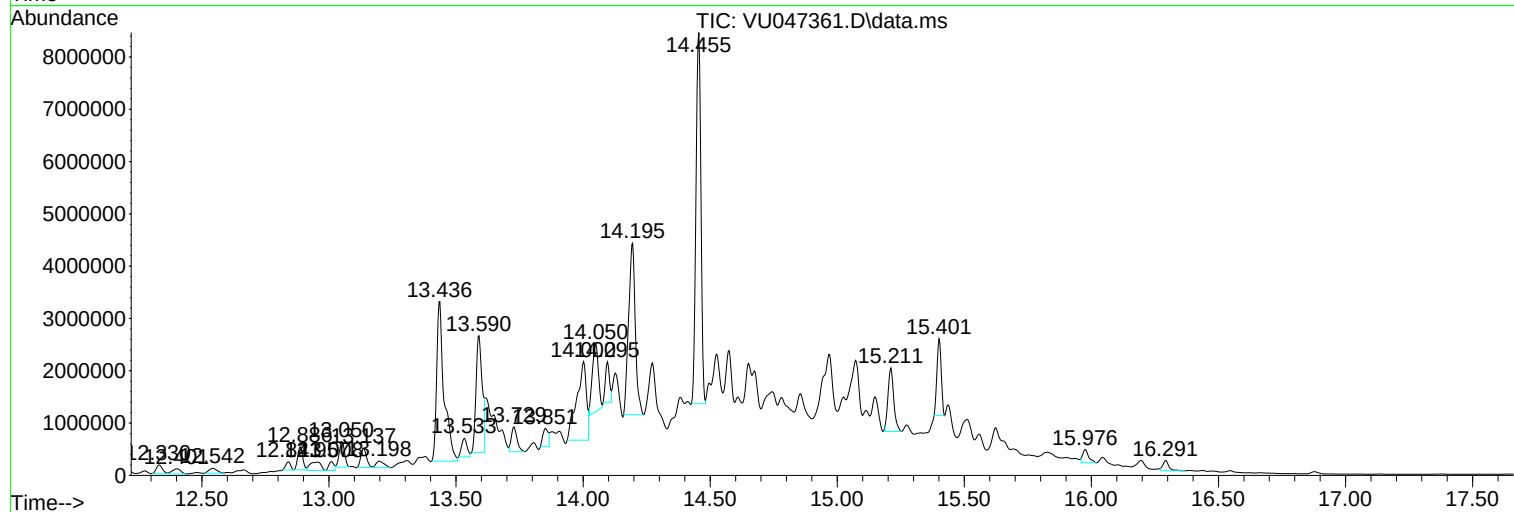
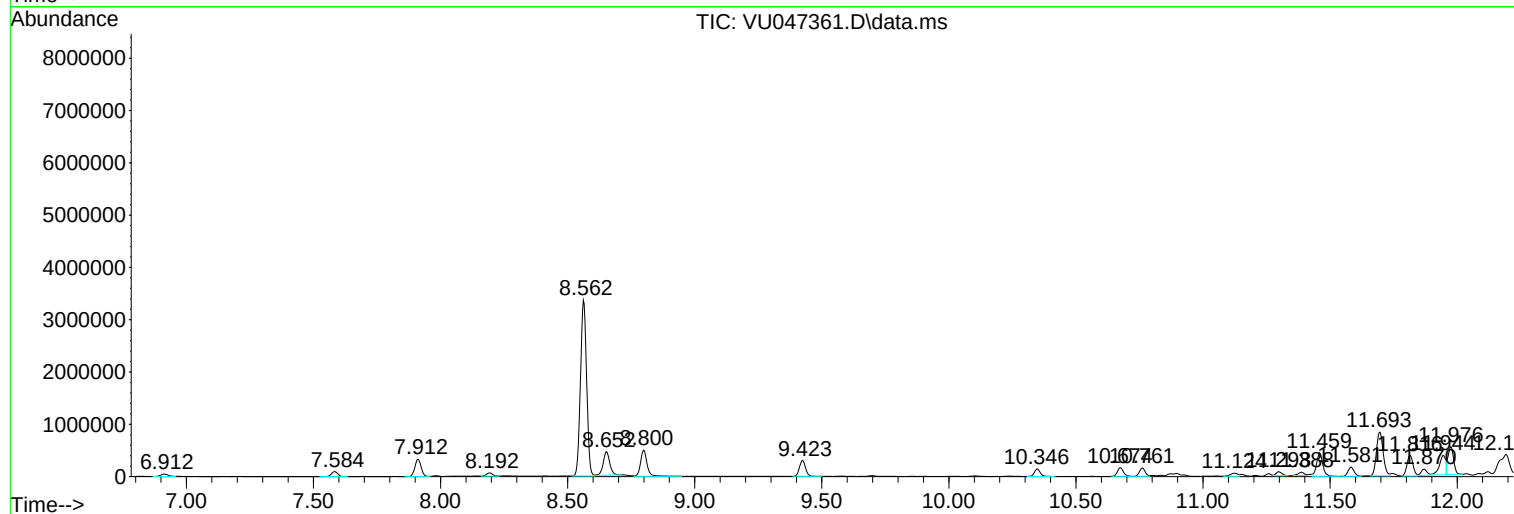
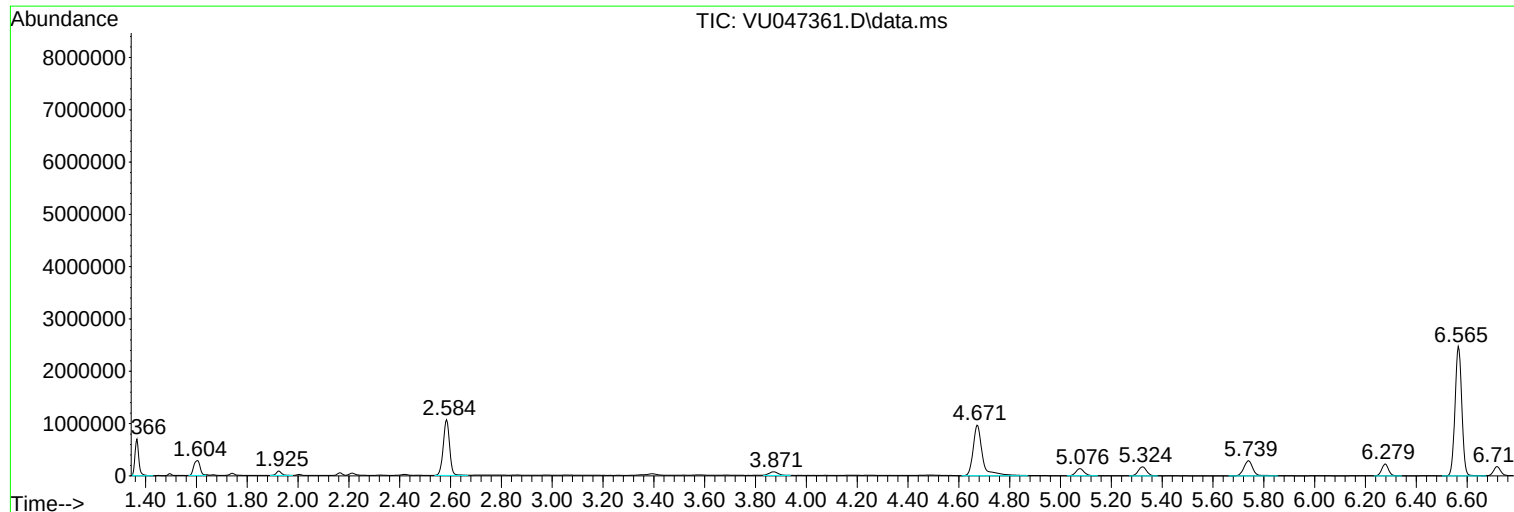
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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Instrument :
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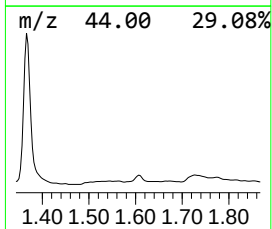
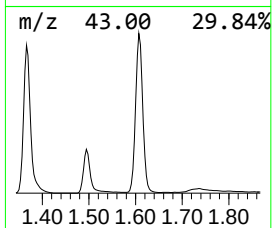
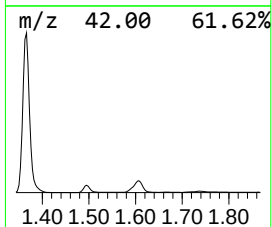
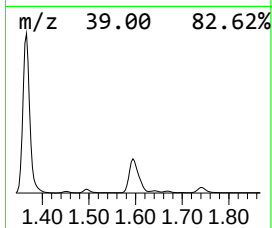
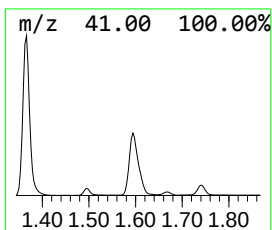
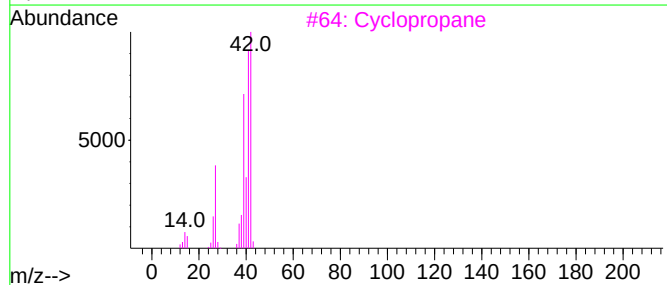
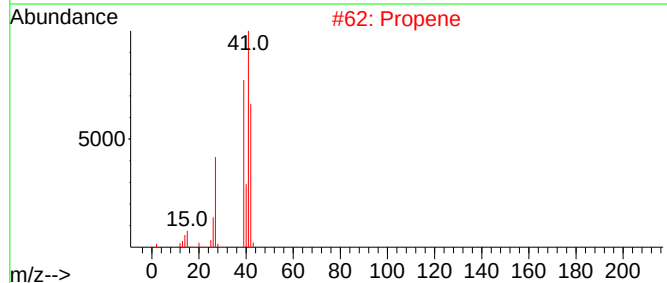
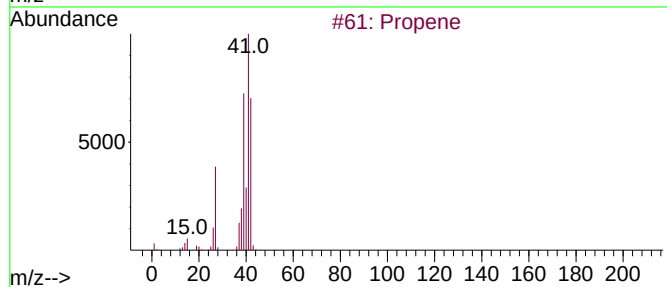
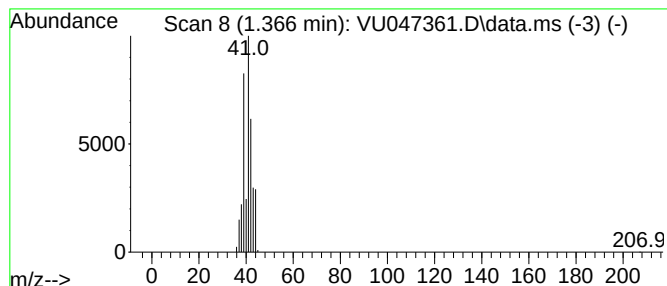
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.366	8.50 ug/L	711170	1,4-Difluorobenzene	6.279

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Propene	42	C3H6	000115-07-1	42
3			Cyclopropane	42	C3H6	000075-19-4	9
4			Cyclopropane	42	C3H6	000075-19-4	7
5			Cyclopropene	40	C3H4	002781-85-3	5



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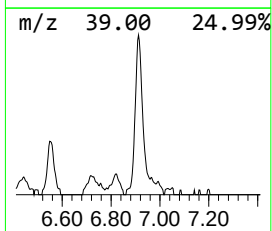
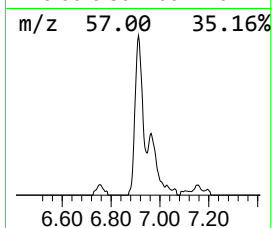
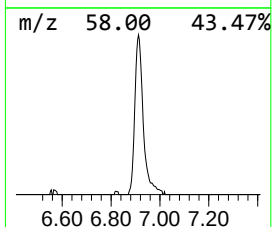
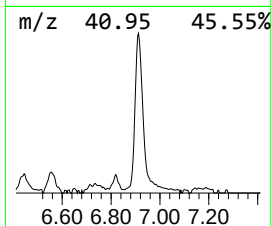
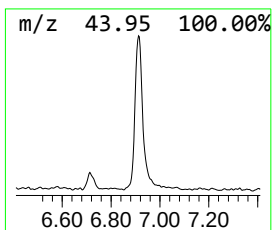
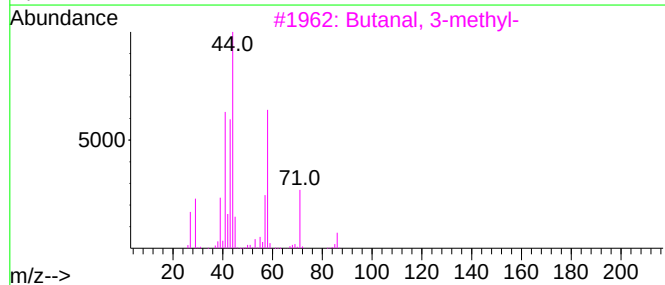
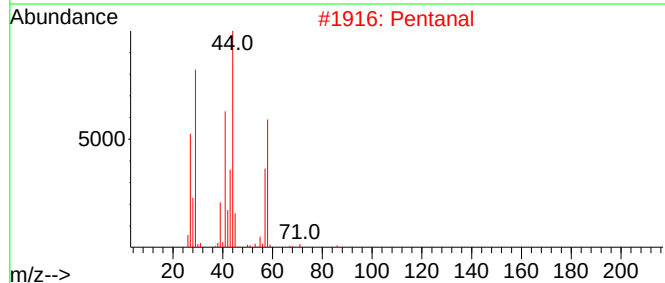
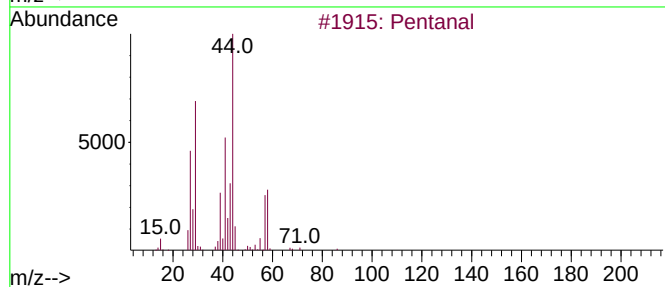
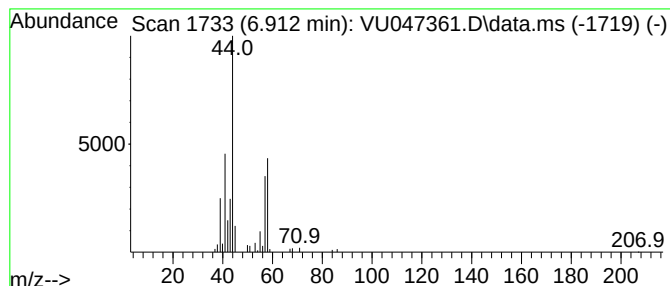
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 Pentanal Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.912	1.17 ug/L	98066	1,4-Difluorobenzene	6.279

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanal	86	C5H10O	000110-62-3	90
2			Pentanal	86	C5H10O	000110-62-3	90
3			Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
4			Pentanal	86	C5H10O	000110-62-3	56
5			Butanal, 3-methyl-	86	C5H10O	000590-86-3	40



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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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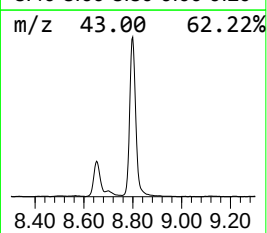
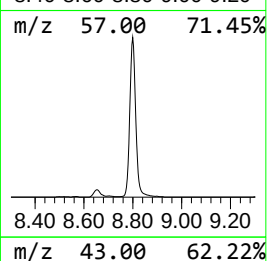
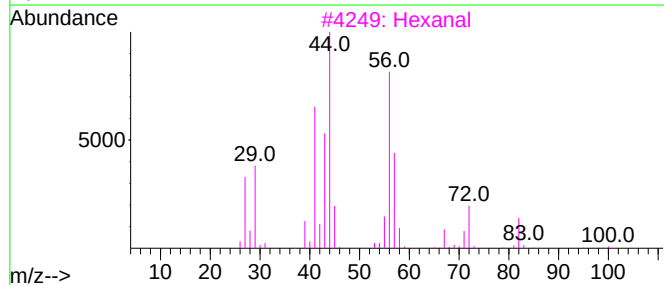
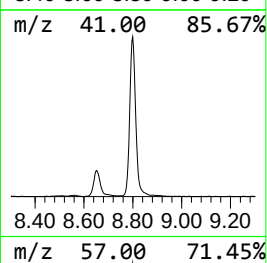
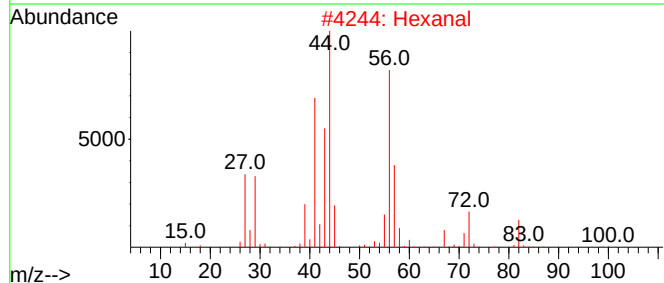
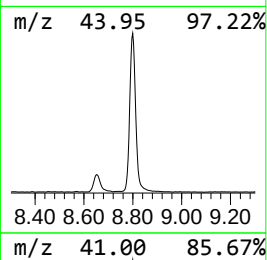
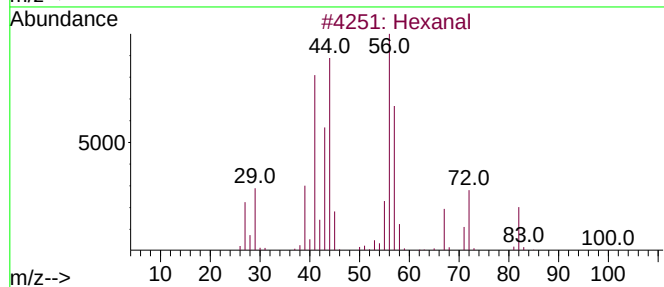
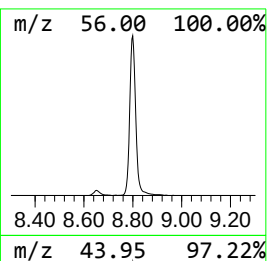
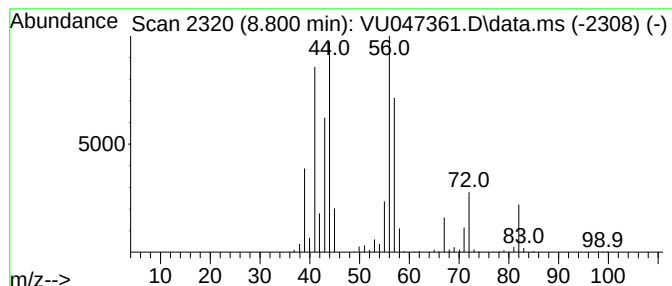
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 4 Hexanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.800	8.53 ug/L	867077	Chlorobenzene-d5	9.423

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	94
2	Hexanal			100	C6H12O	000066-25-1	87
3	Hexanal			100	C6H12O	000066-25-1	74
4	Hexanal			100	C6H12O	000066-25-1	72
5	Hexanal			100	C6H12O	000066-25-1	59



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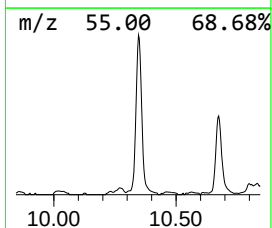
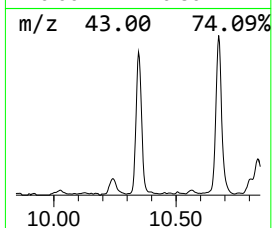
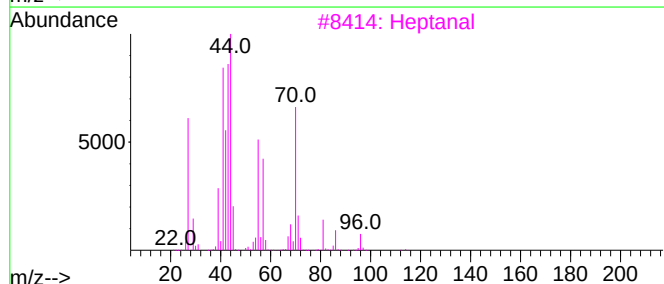
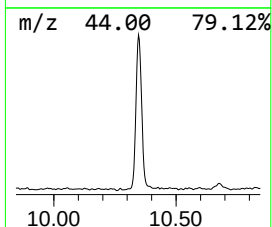
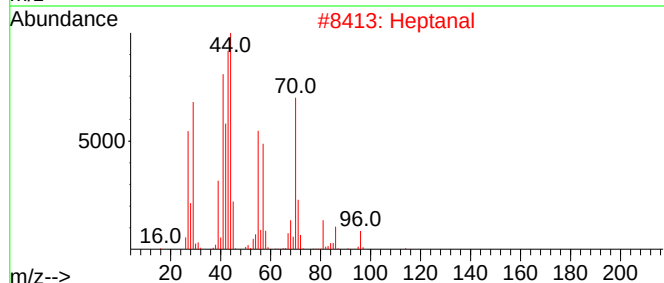
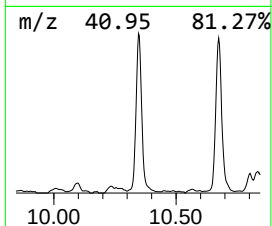
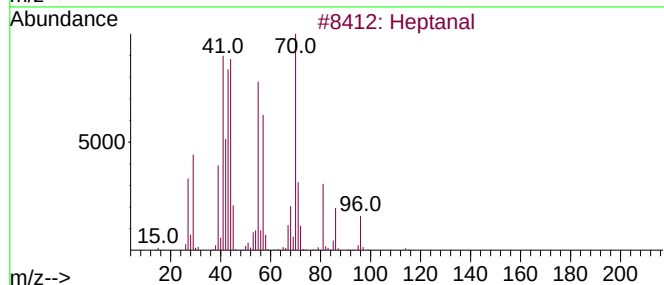
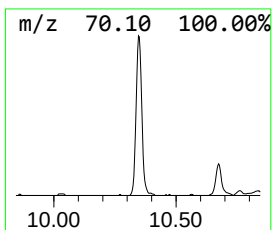
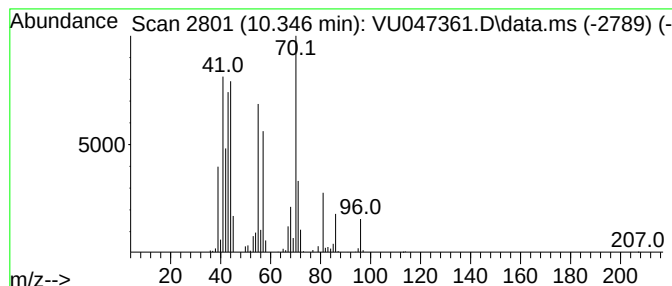
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 5 Heptanal Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.346	2.25 ug/L	228521	Chlorobenzene-d5	9.423

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptanal	114	C7H14O	000111-71-7	98
2			Heptanal	114	C7H14O	000111-71-7	95
3			Heptanal	114	C7H14O	000111-71-7	94
4			Heptanal	114	C7H14O	000111-71-7	52
5			Hexanal, 3-methyl-	114	C7H14O	019269-28-4	38



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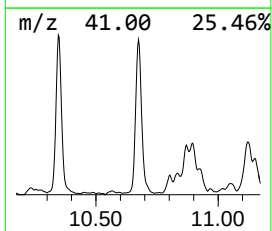
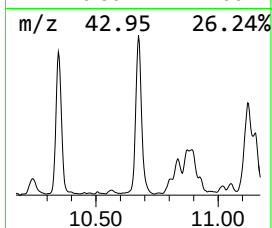
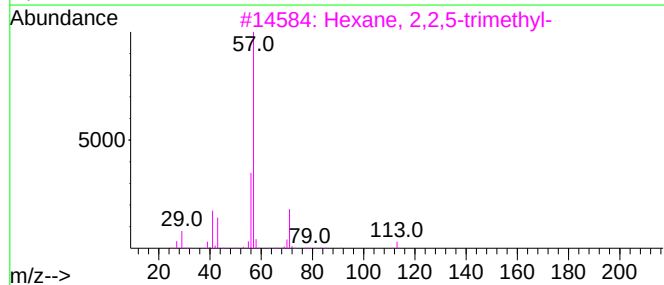
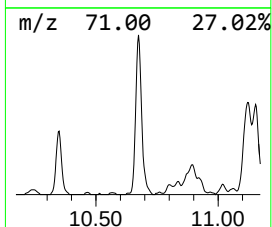
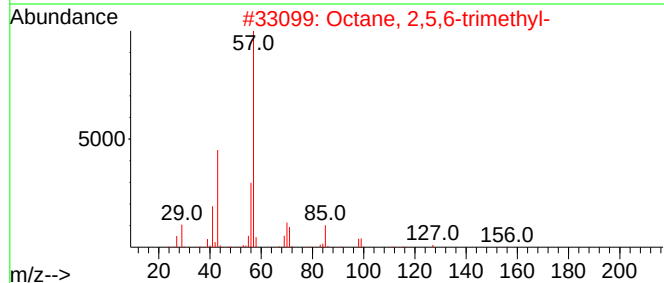
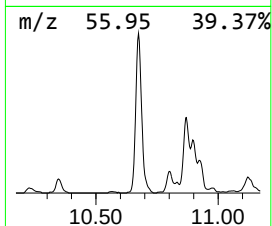
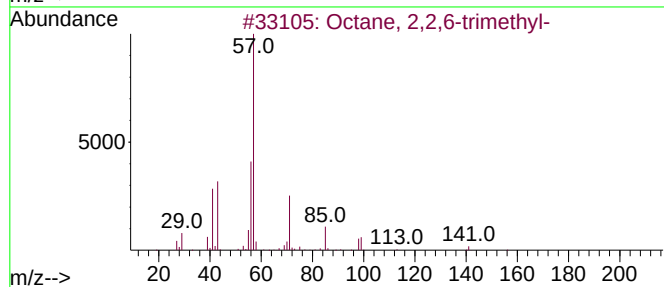
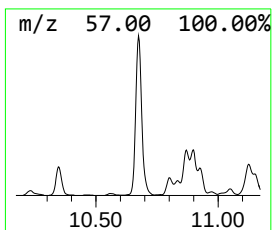
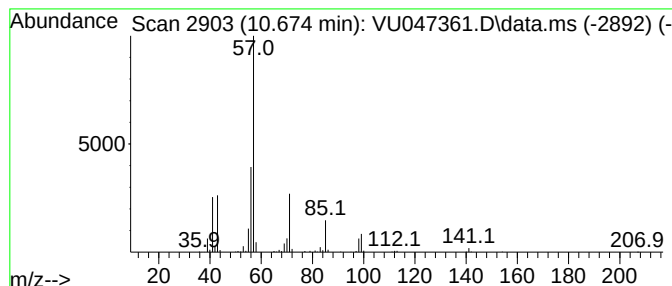
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.674	2.12 ug/L	275645	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	83
2			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

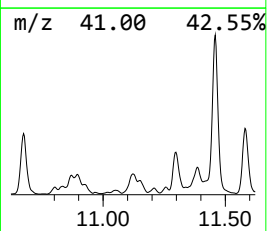
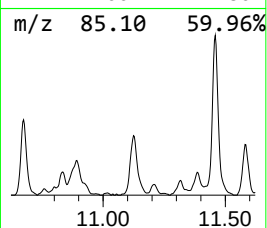
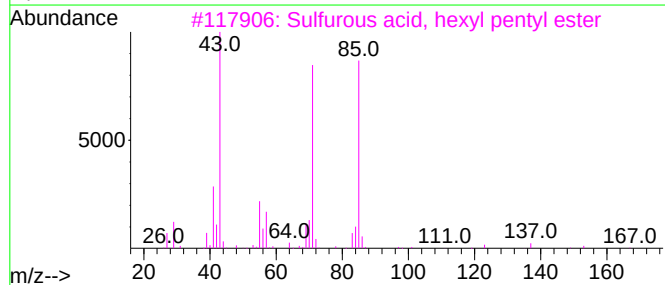
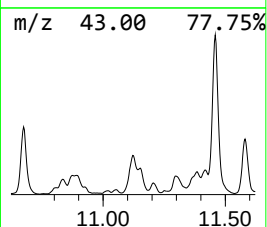
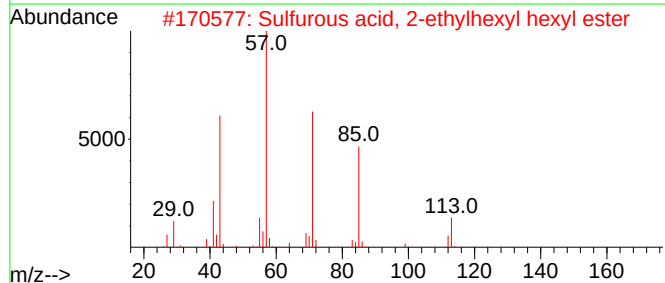
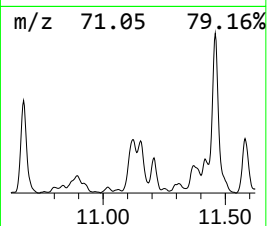
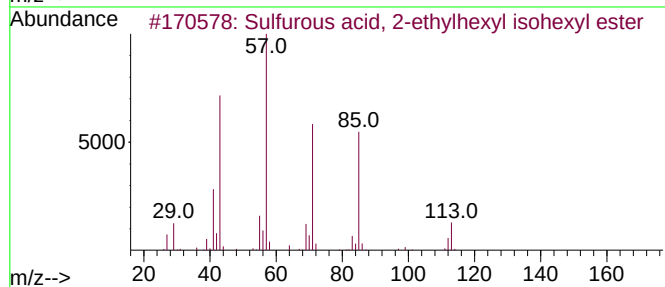
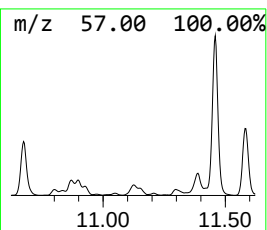
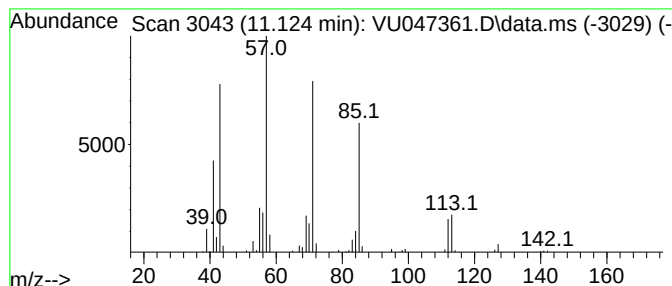
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 Sulfurous acid, 2-ethylhexy... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.124	0.93 ug/L	120330	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	86
2			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
3			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	72
4			Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	64
5			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

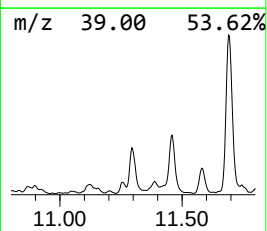
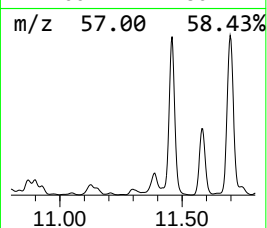
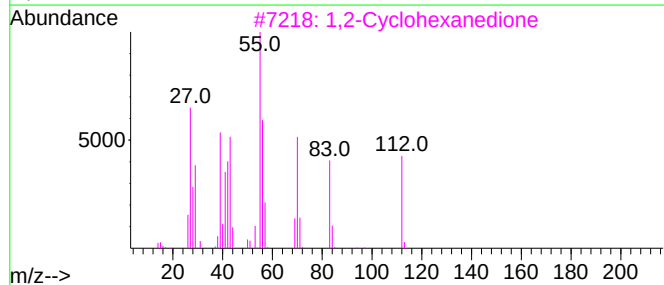
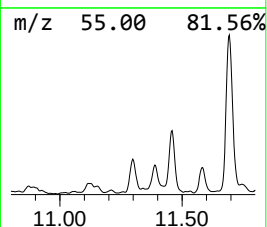
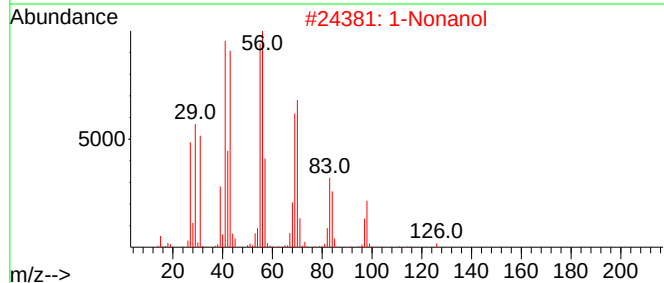
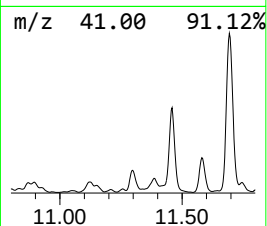
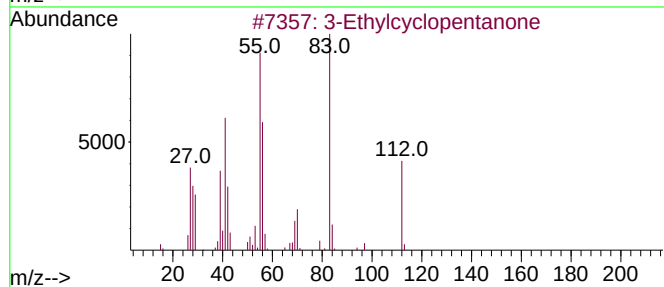
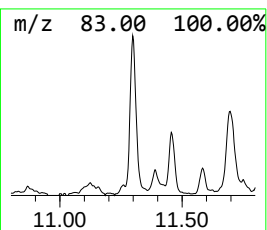
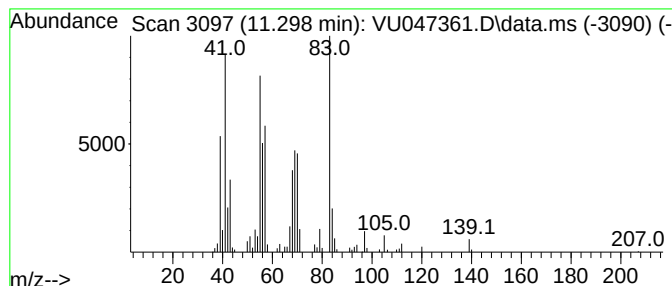
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 8 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	0.90 ug/L	117048	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Ethylcyclopentanone	112	C7H12O	010264-55-8	49
2			1-Nonanol	144	C9H20O	000143-08-8	43
3			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	38
4			1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	35
5			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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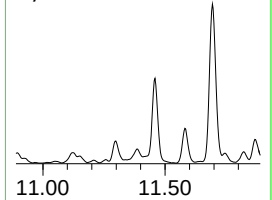
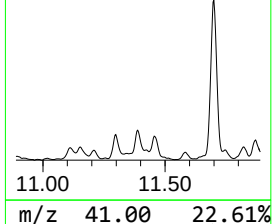
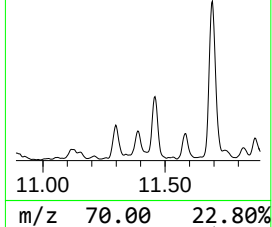
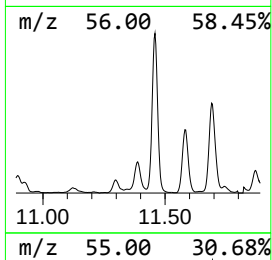
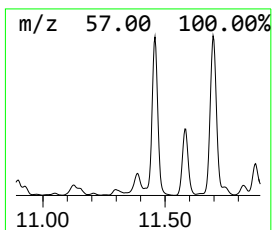
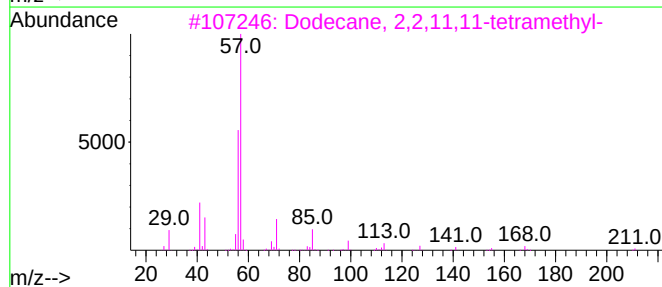
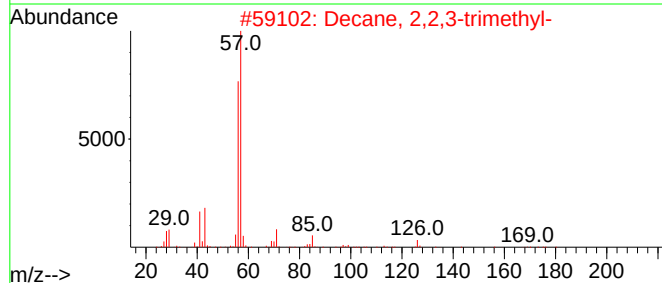
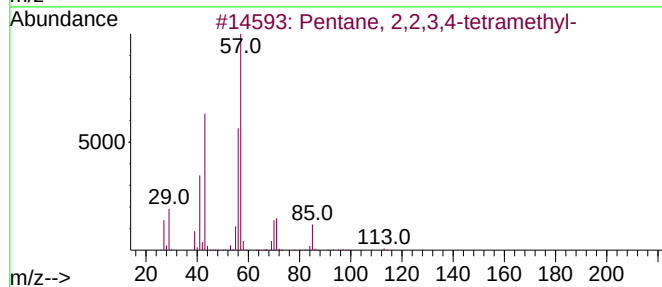
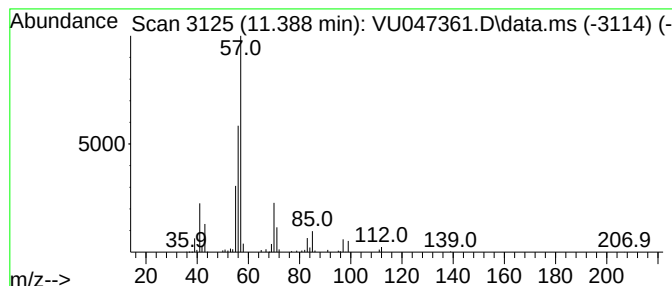
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.388	0.86 ug/L	112229	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
2			Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	59
3			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
4			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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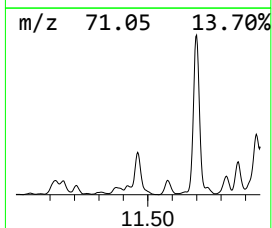
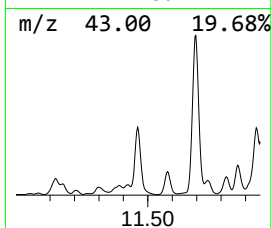
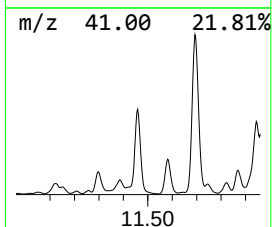
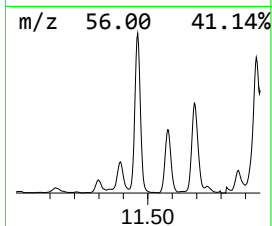
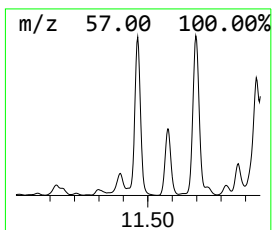
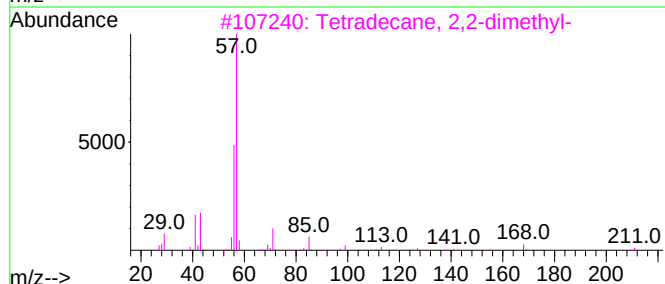
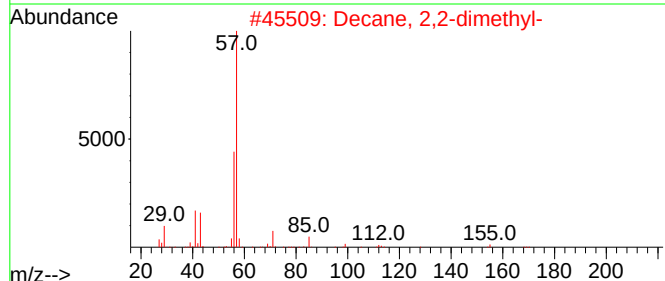
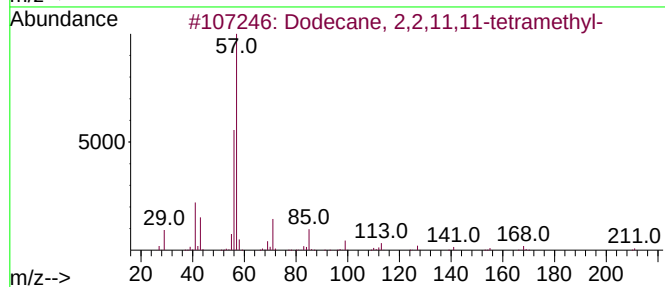
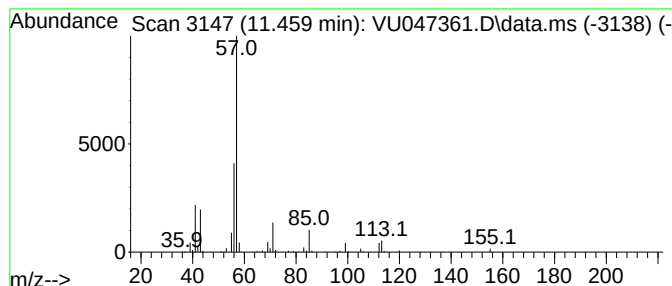
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.459	5.92 ug/L	768310	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	80
2			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
3			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4			Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72
5			Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

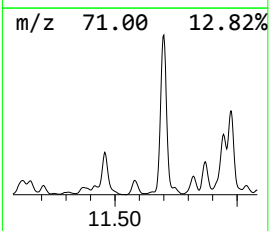
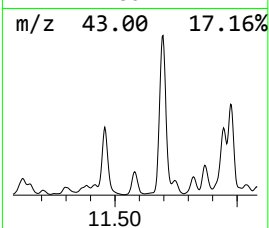
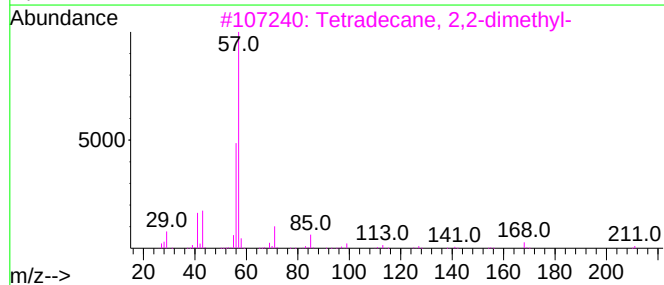
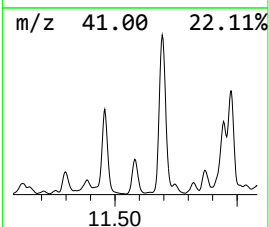
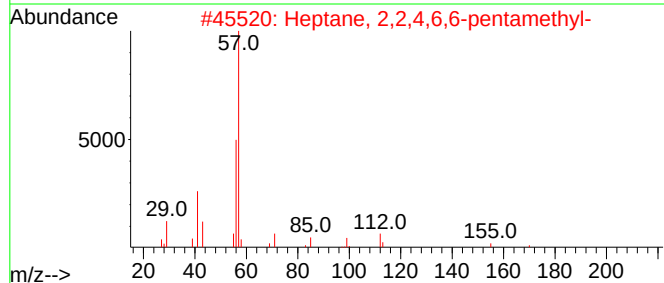
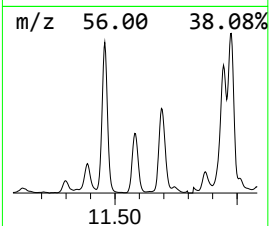
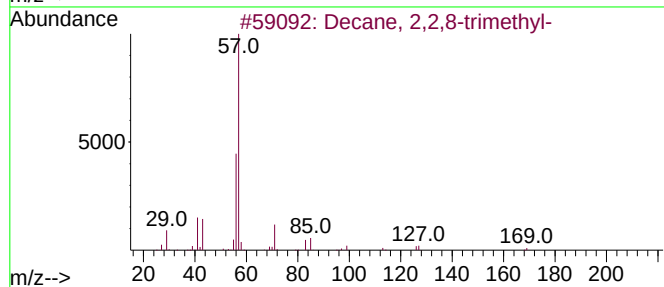
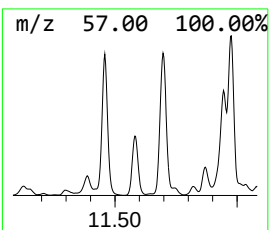
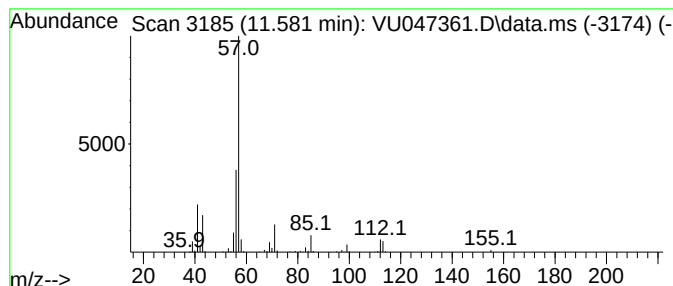
Instrument :
MSVOA_U
ClientSampleId :
BFY19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.581	2.31 ug/L	300425	1,4-Dichlorobenzene-d4			11.812
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 2,2,8-trimethyl-		184	C13H28	062238-01-1	72
2	Heptane, 2,2,4,6,6-pentamethyl-		170	C12H26	013475-82-6	72
3	Tetradecane, 2,2-dimethyl-		226	C16H34	059222-86-5	72
4	Decane, 2,2,9-trimethyl-		184	C13H28	062238-00-0	72
5	Decane, 2,2-dimethyl-		170	C12H26	017302-37-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

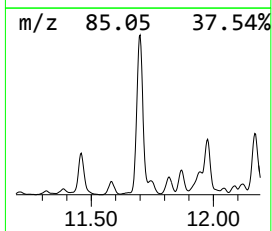
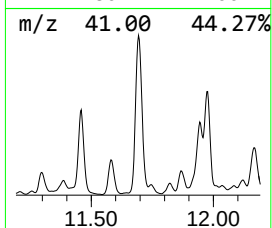
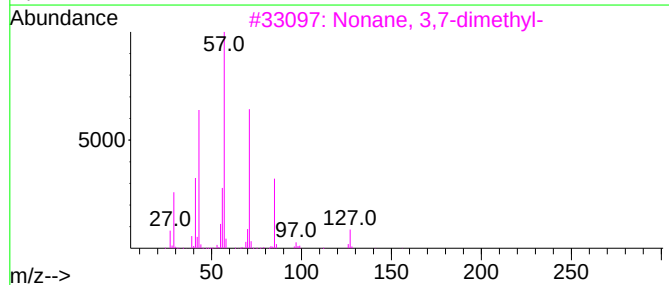
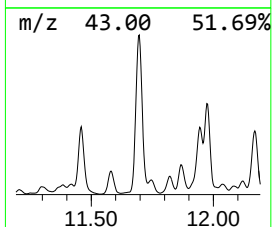
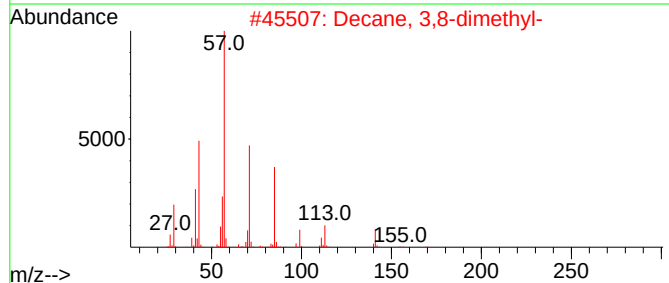
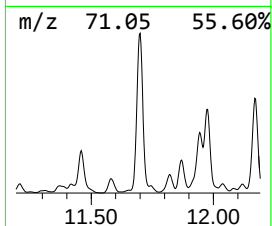
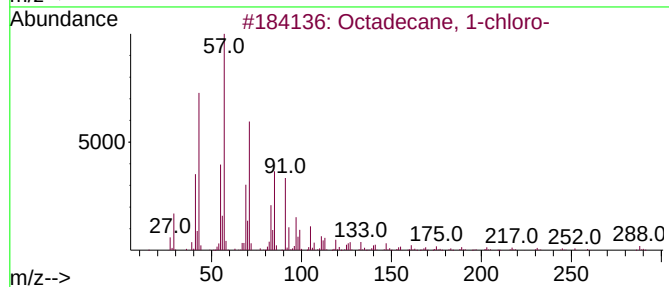
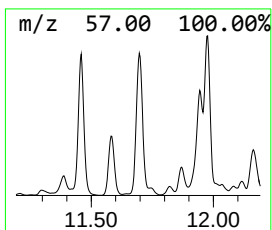
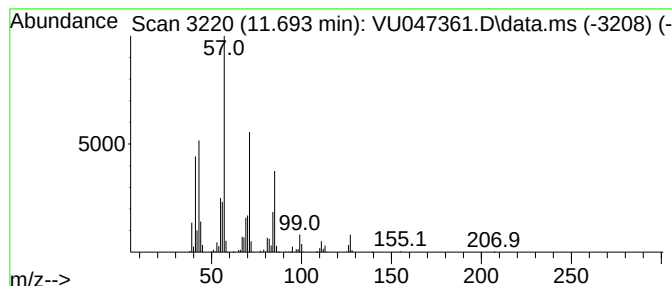
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 12 Octadecane, 1-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.693	11.77 ug/L	1528570	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	72
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
4			Octane, 4-ethyl-	142	C10H22	015869-86-0	59
5			Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

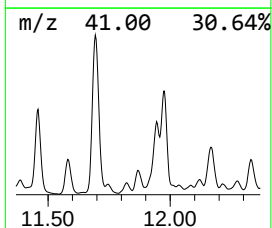
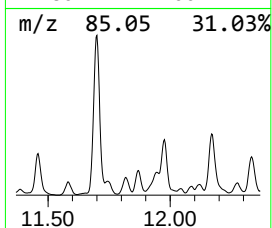
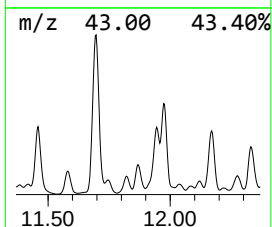
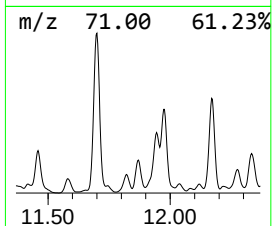
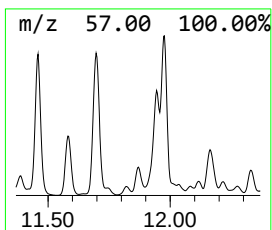
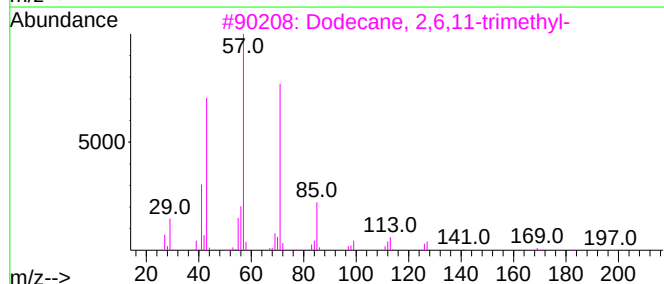
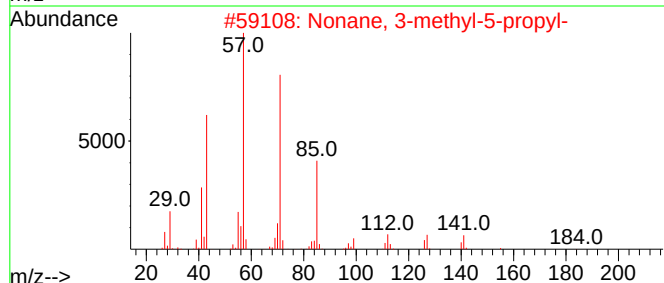
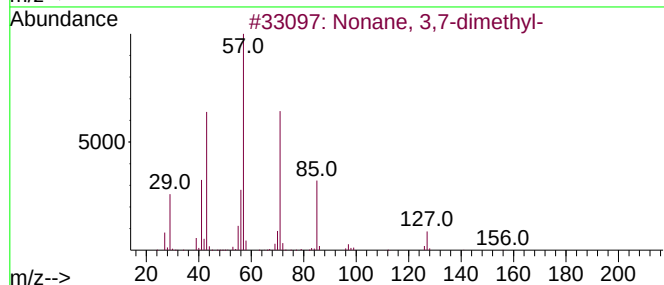
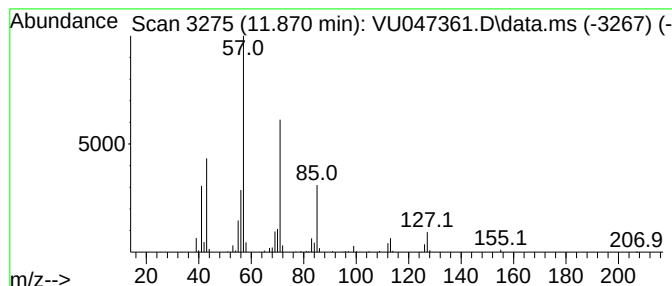
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.870	1.49 ug/L	194024	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	78
2			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4			Heptacosane	380	C27H56	000593-49-7	59
5			Decane, 5-propyl-	184	C13H28	017312-62-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

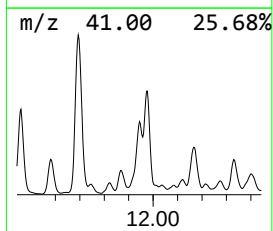
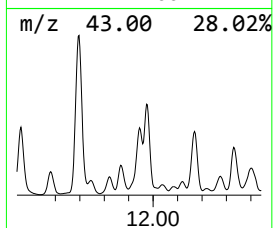
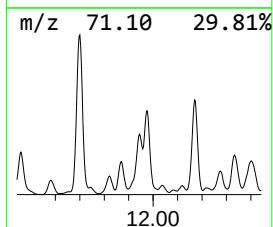
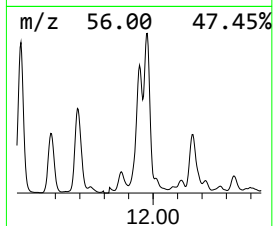
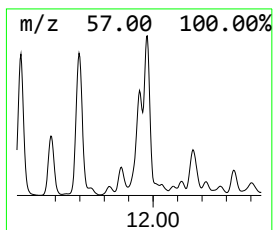
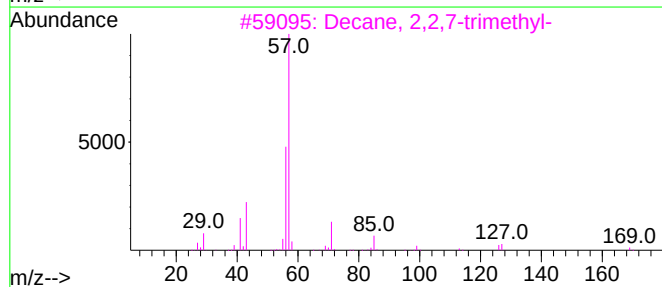
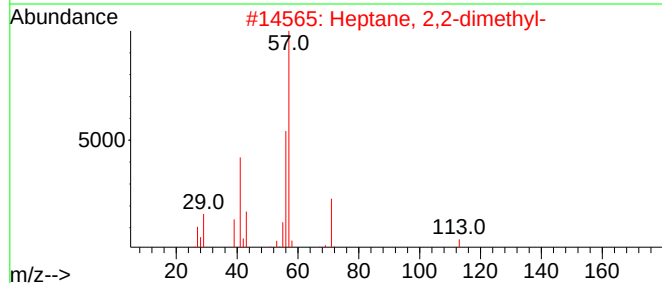
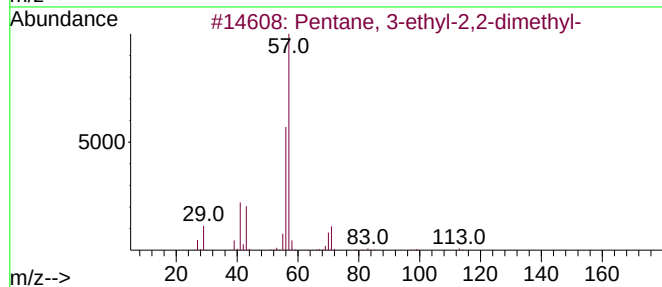
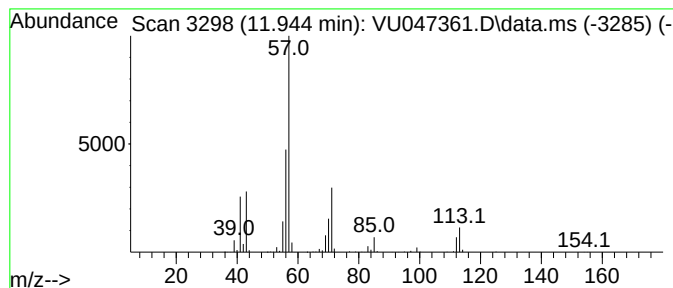
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ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.944	4.96 ug/L	643635	1,4-Dichlorobenzene-d4			11.812
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,2-dimethyl-		128	C9H20	016747-32-3	59
2	Heptane, 2,2-dimethyl-		128	C9H20	001071-26-7	59
3	Decane, 2,2,7-trimethyl-		184	C13H28	062237-99-4	53
4	Hexane, 2,2,3-trimethyl-		128	C9H20	016747-25-4	50
5	Hexane, 2,2,5-trimethyl-		128	C9H20	003522-94-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

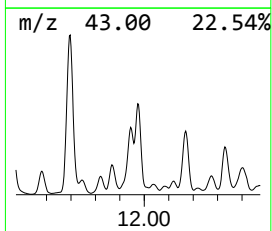
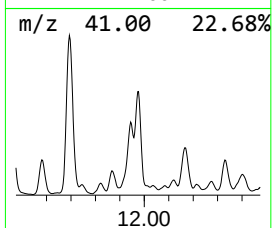
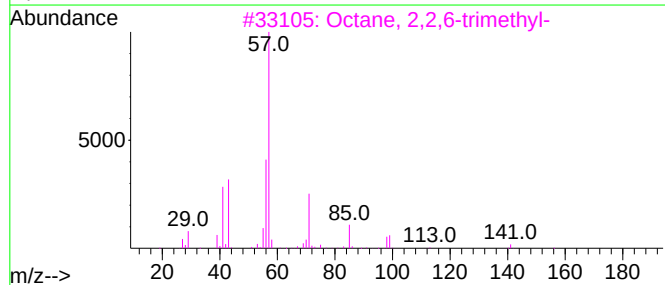
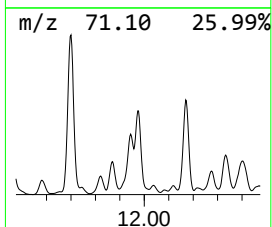
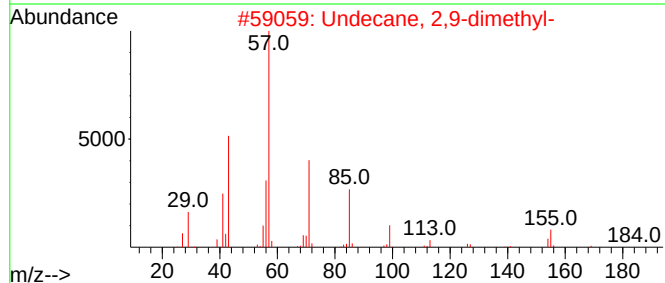
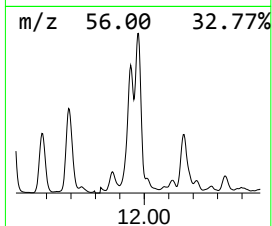
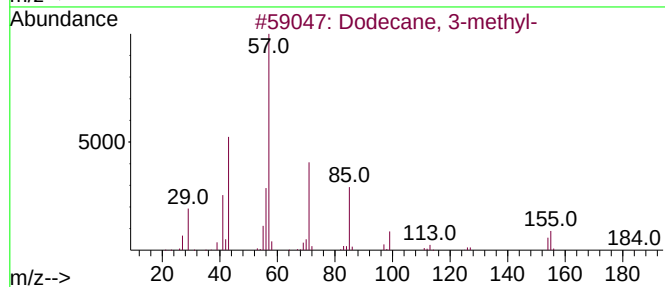
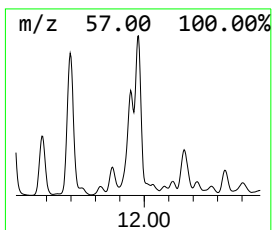
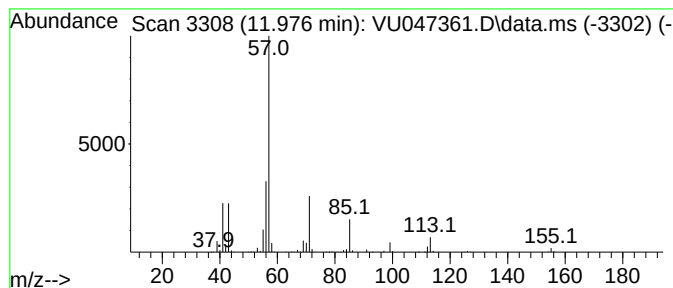
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.976	6.29 ug/L	817542	1,4-Dichlorobenzene-d4		11.812	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-		184	C13H28	017312-57-1	72
2	Undecane, 2,9-dimethyl-		184	C13H28	017301-26-7	72
3	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	64
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64
5	Octane, 2,5,6-trimethyl-		156	C11H24	062016-14-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
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ALS Vial : 7 Sample Multiplier: 1

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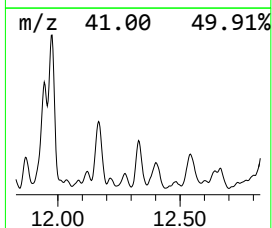
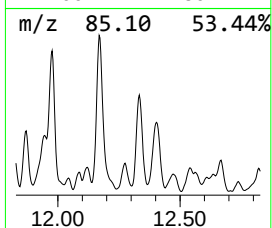
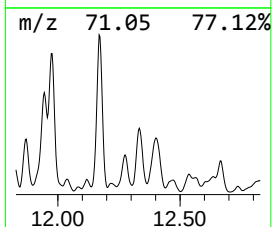
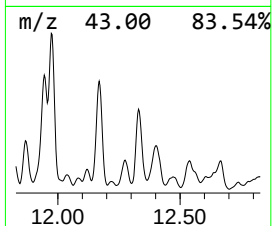
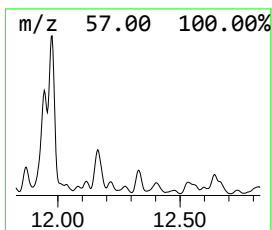
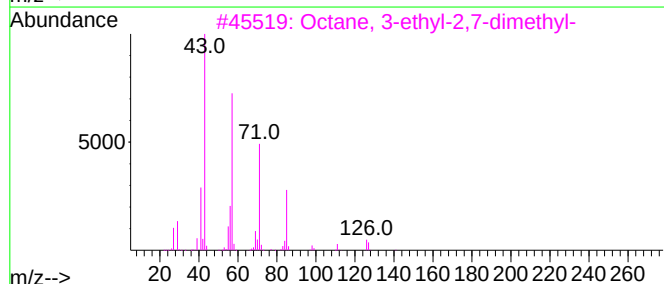
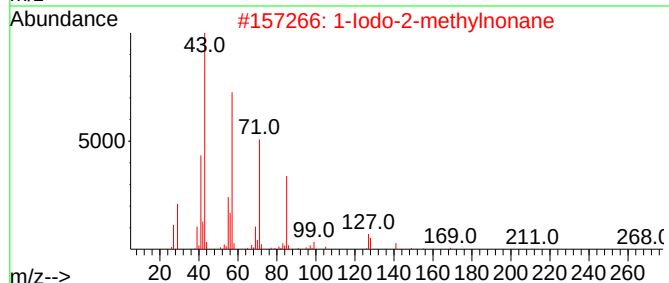
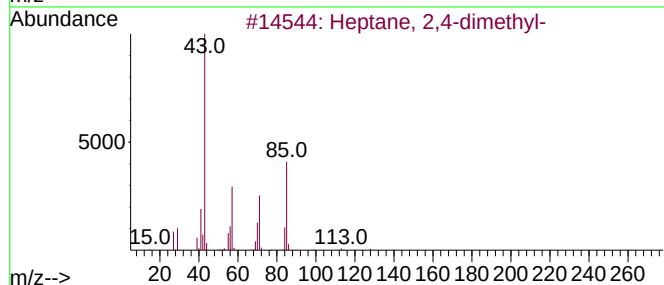
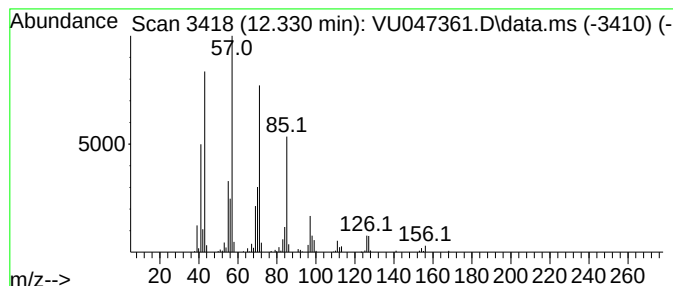
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.330	2.25 ug/L	291951	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
3			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	72
4			Heneicosane	296	C21H44	000629-94-7	72
5			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
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ALS Vial : 7 Sample Multiplier: 1

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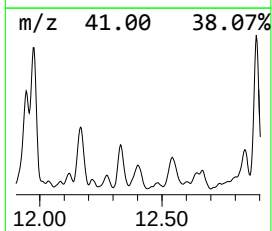
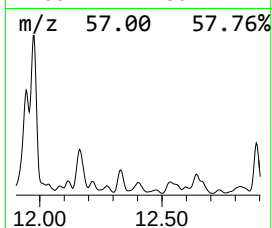
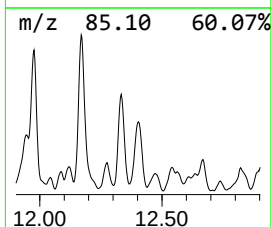
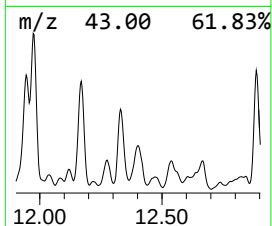
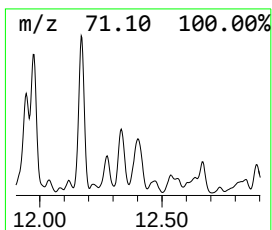
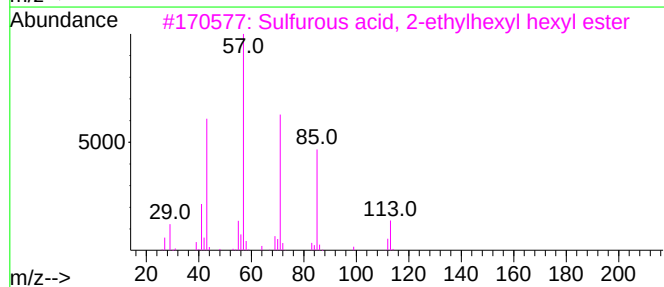
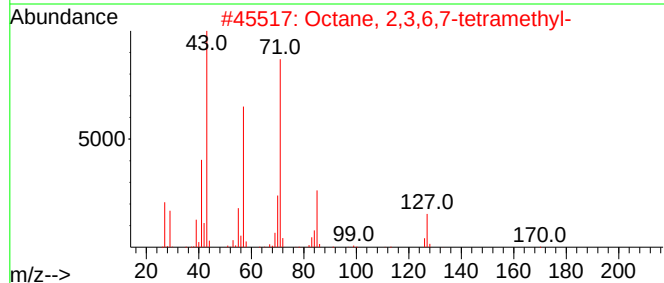
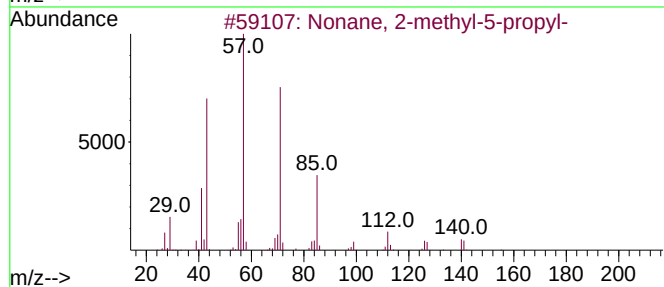
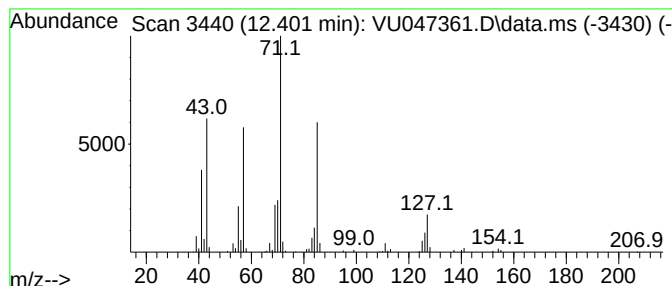
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.401	1.75 ug/L	226667	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72
2			Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	64
3			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
4			Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	53
5			Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1010309-15-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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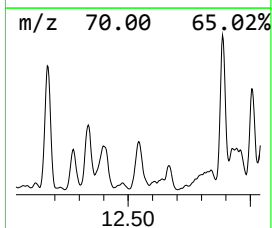
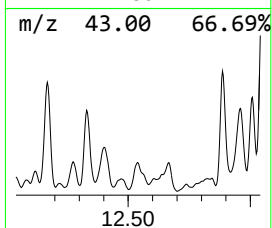
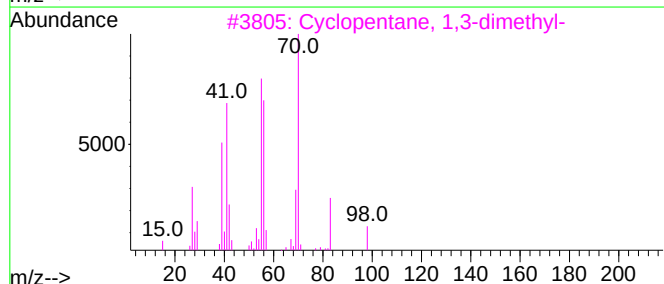
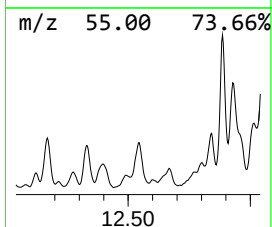
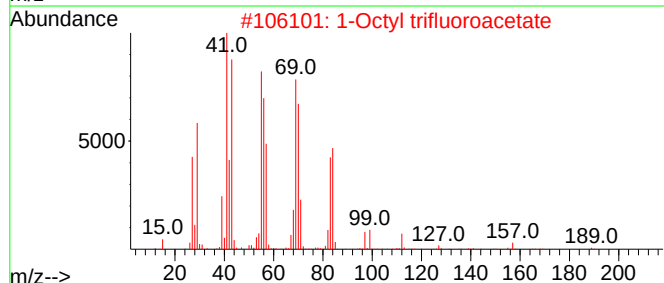
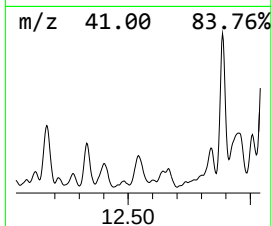
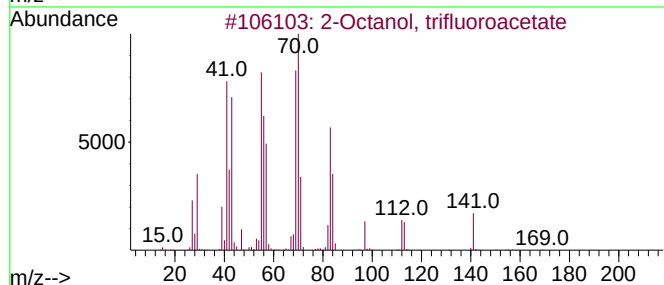
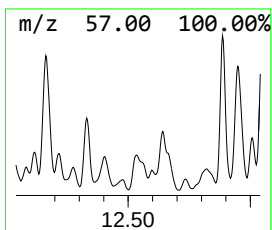
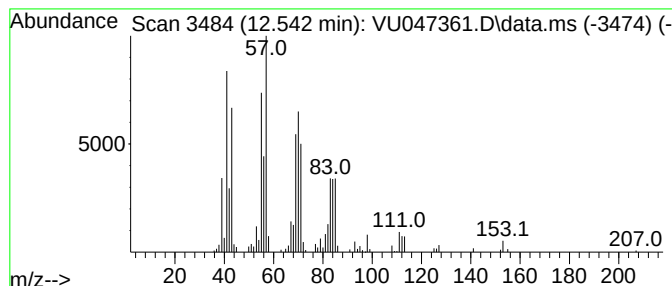
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 18 2-Octanol, trifluoroacetate Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.542	1.58 ug/L	205676	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octanol, trifluoroacetate	226	C10H17F3O2	000332-83-2	64
2			1-Octyl trifluoroacetate	226	C10H17F3O2	002561-21-9	58
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43
4			Caprolactam	113	C6H11NO	000105-60-2	43
5			3-Octene, (E)-	112	C8H16	014919-01-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

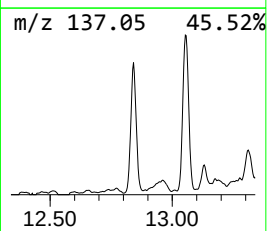
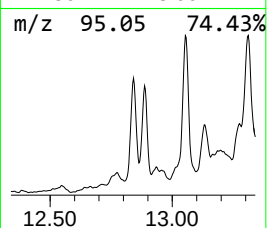
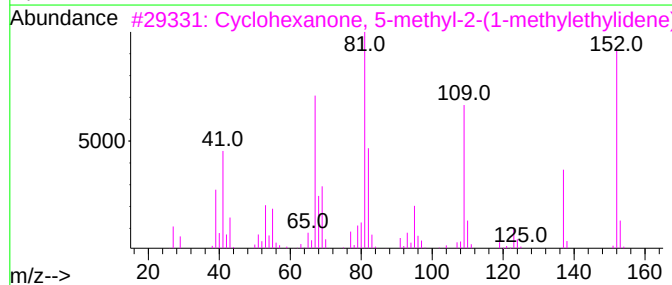
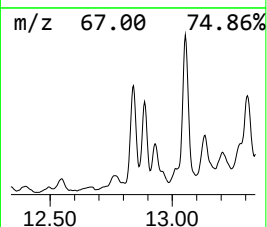
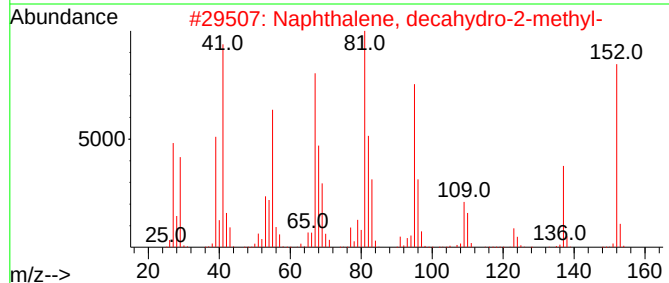
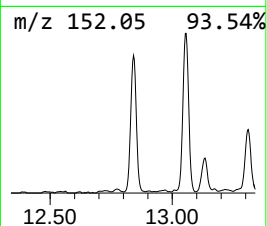
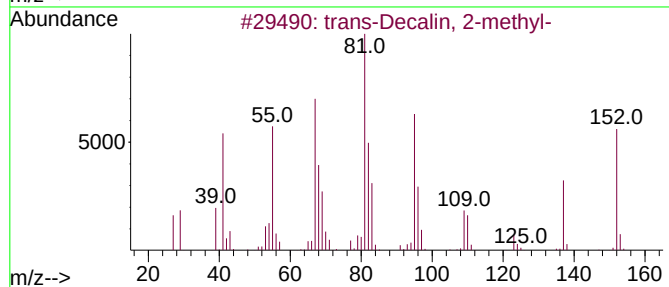
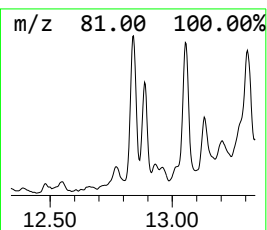
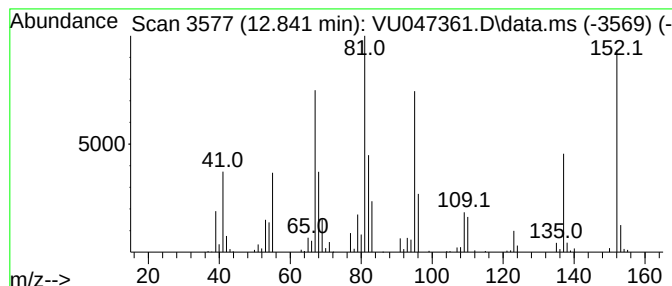
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 19 trans-Decalin, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.841	1.70 ug/L	220849	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	74
4			Pulegone	152	C10H16O	000089-82-7	68
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

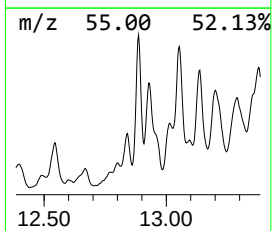
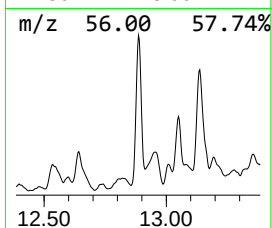
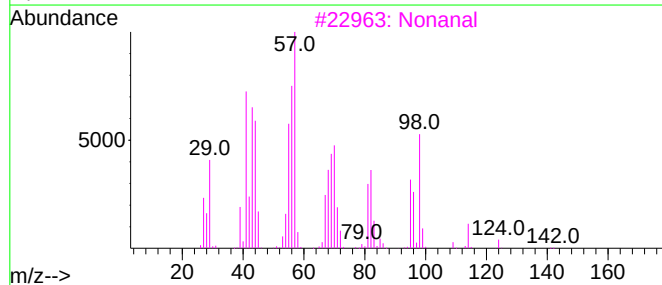
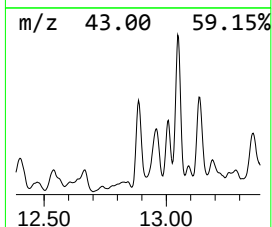
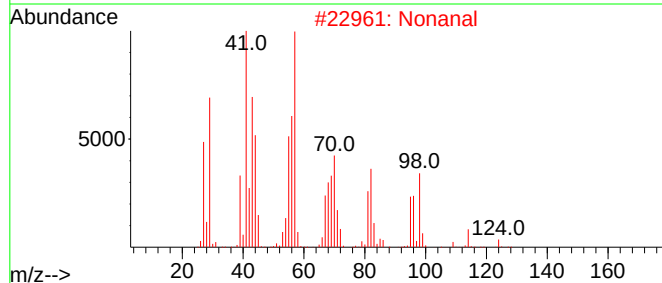
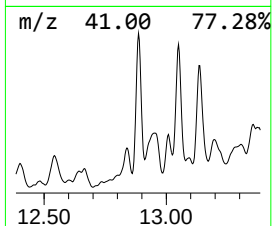
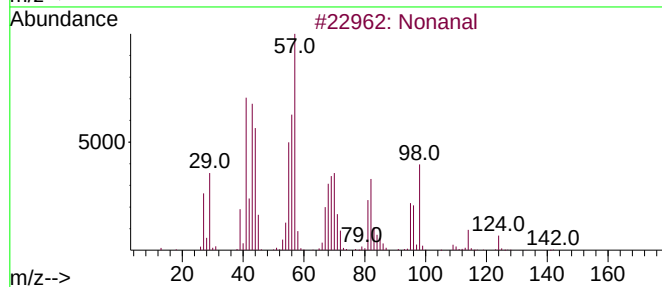
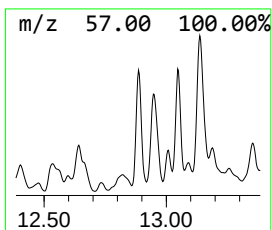
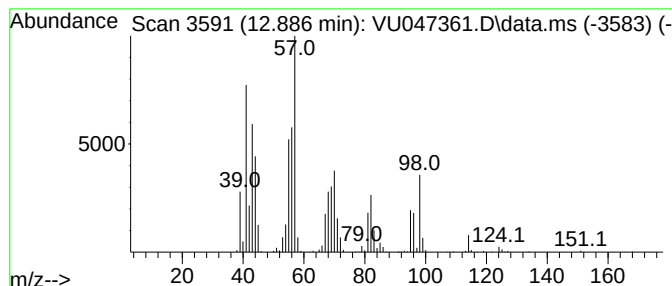
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 20 Nonanal Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	4.63 ug/L	601073	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	91
2			Nonanal	142	C9H18O	000124-19-6	91
3			Nonanal	142	C9H18O	000124-19-6	91
4			Nonanal	142	C9H18O	000124-19-6	90
5			Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

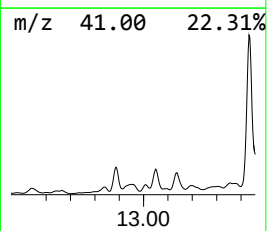
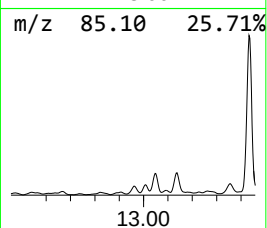
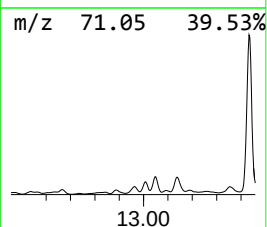
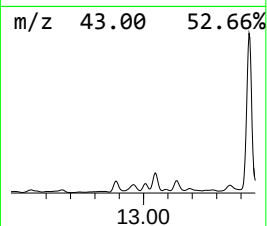
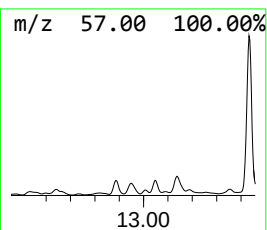
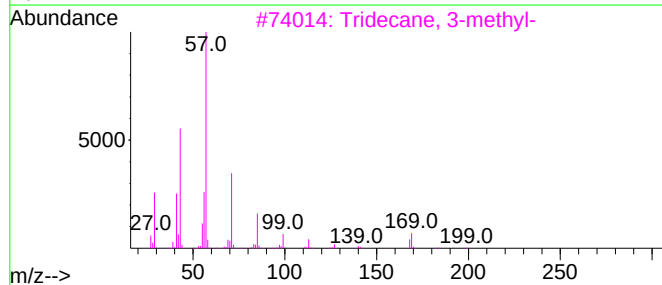
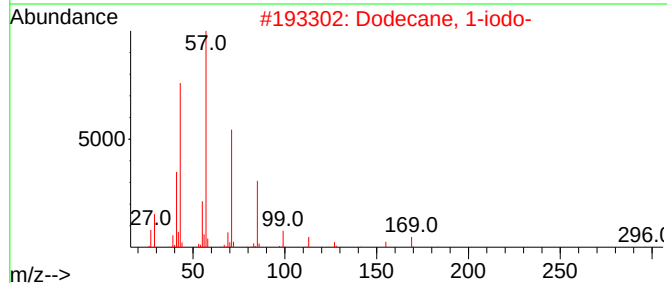
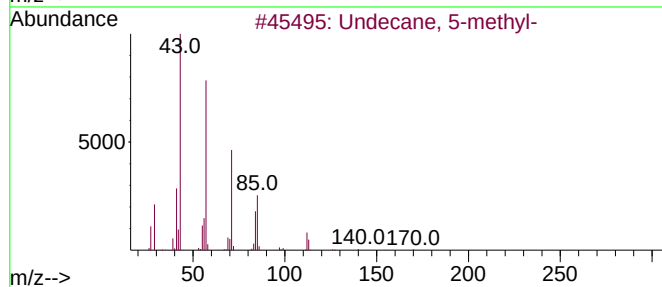
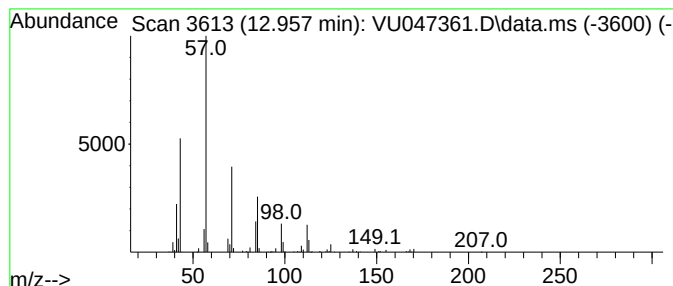
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.957	3.63 ug/L	471517	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-methyl-	170	C12H26	001632-70-8	50
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
4			Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	50
5			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

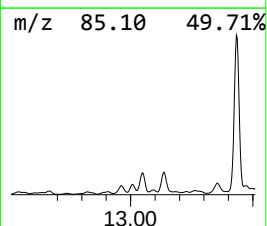
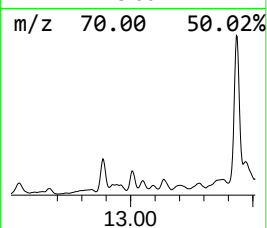
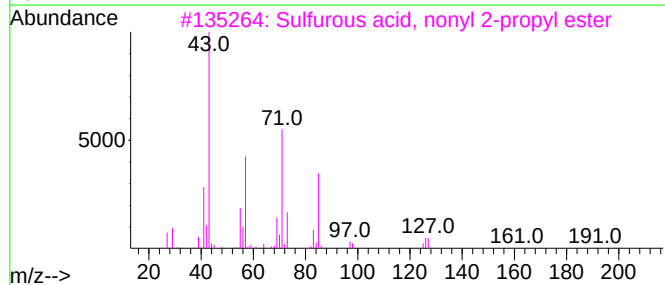
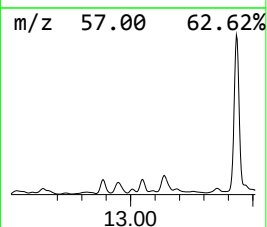
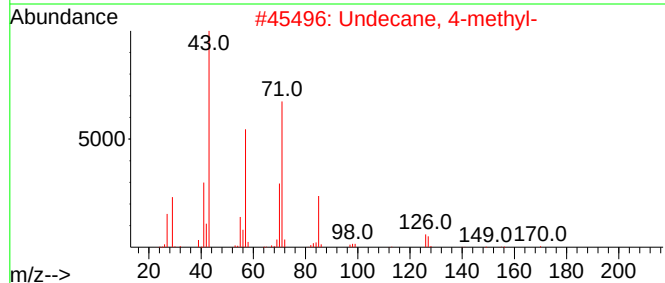
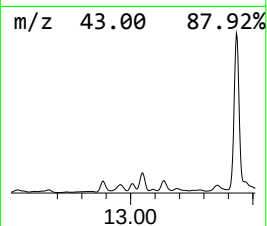
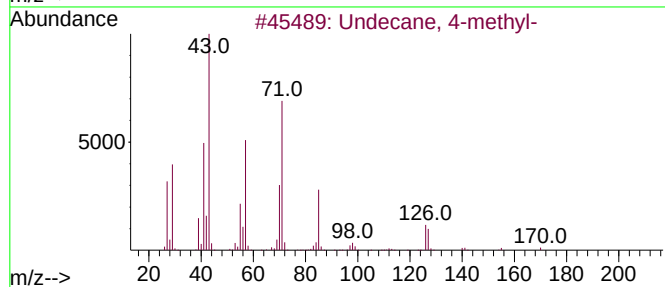
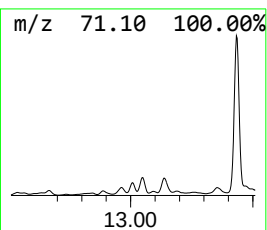
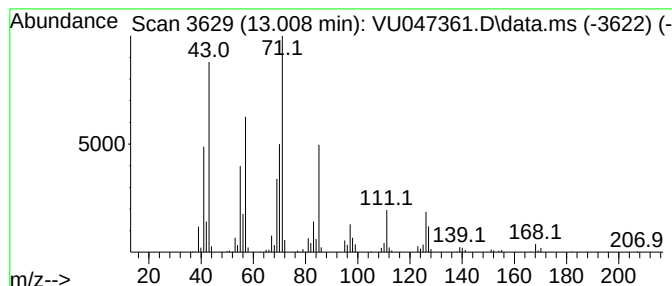
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.009	1.88 ug/L	243711	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4-methyl-	170	C12H26	002980-69-0	81
2			Undecane, 4-methyl-	170	C12H26	002980-69-0	81
3			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	50
4			1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	43
5			Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

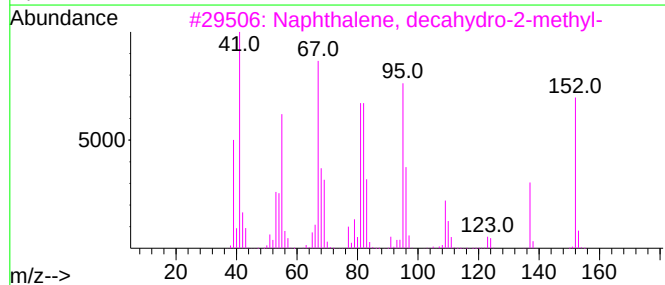
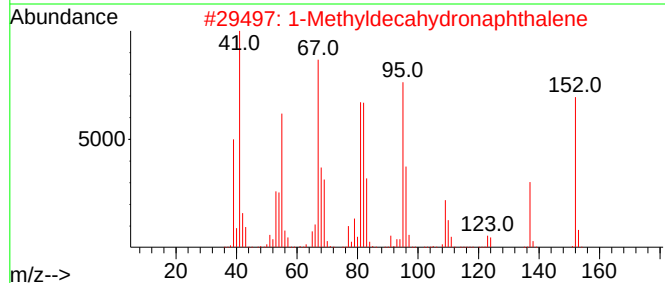
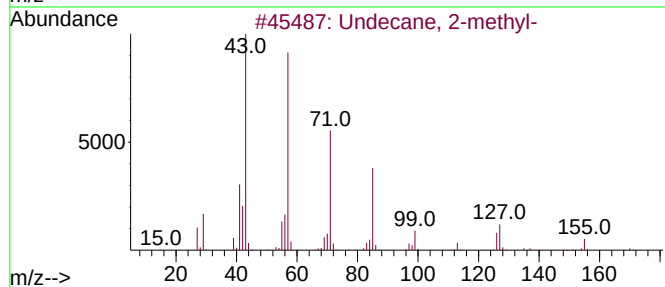
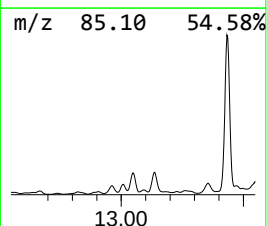
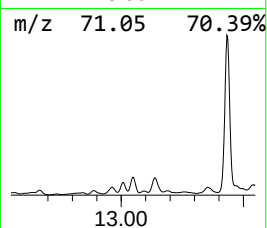
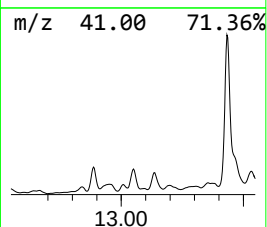
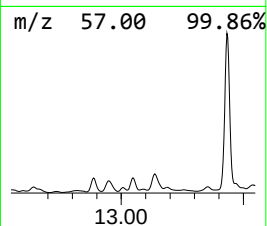
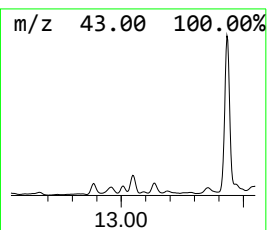
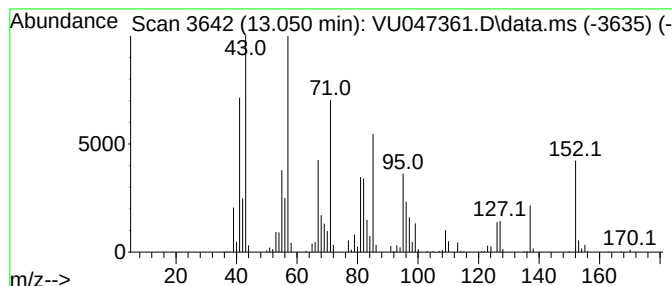
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.050	5.43 ug/L	705787	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	56
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	30
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	30
4			10-Methylnonadecane	282	C20H42	056862-62-5	25
5			Heneicosane	296	C21H44	000629-94-7	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

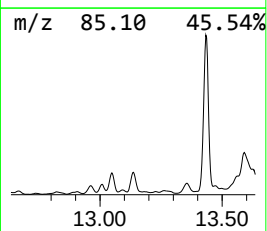
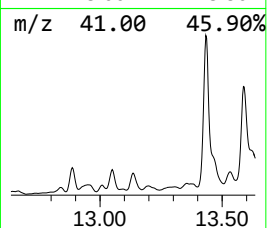
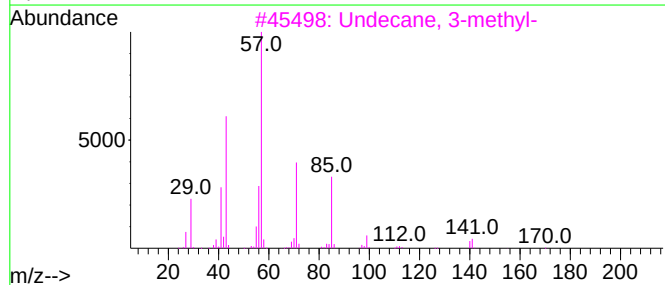
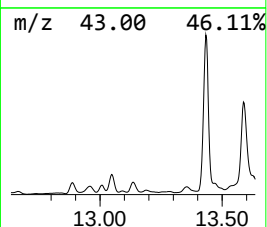
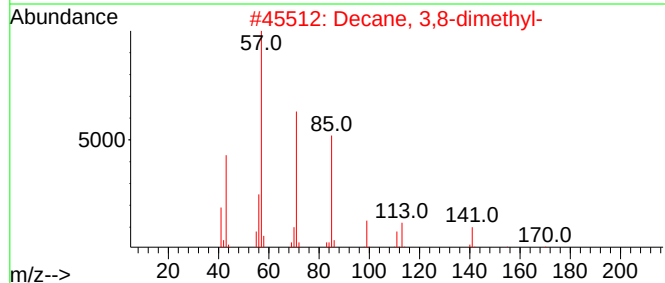
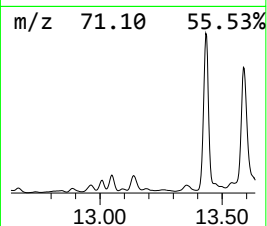
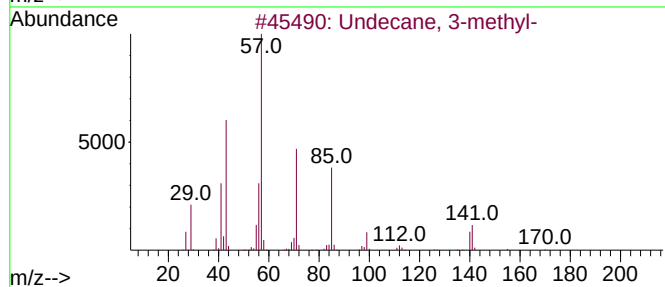
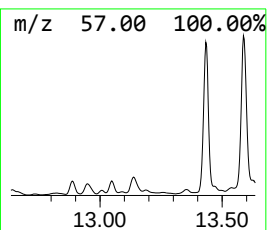
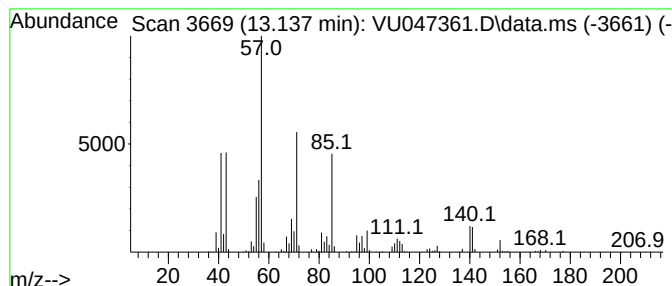
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.137	4.45 ug/L	578502	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	91
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	72
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
5			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

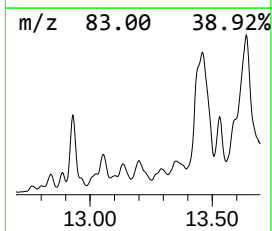
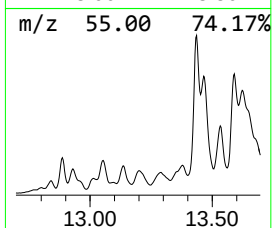
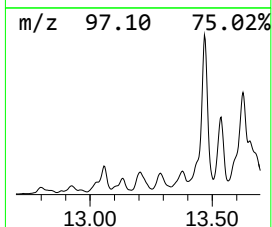
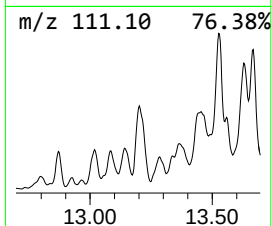
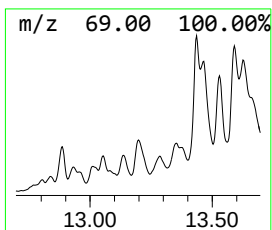
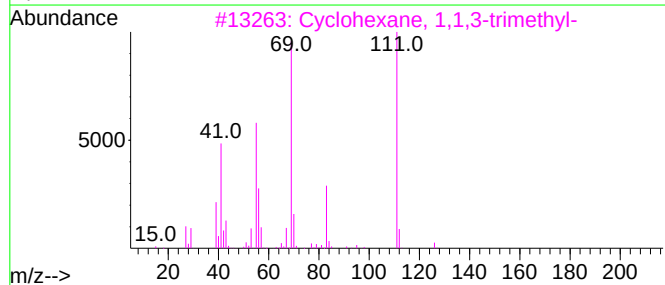
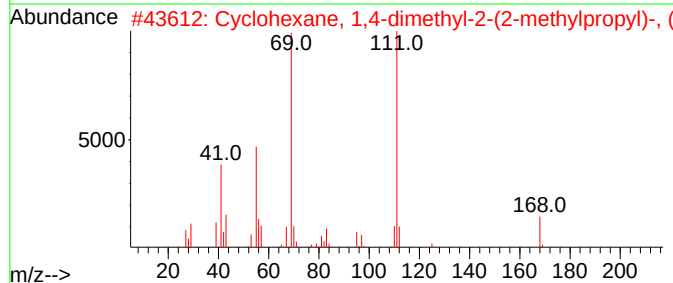
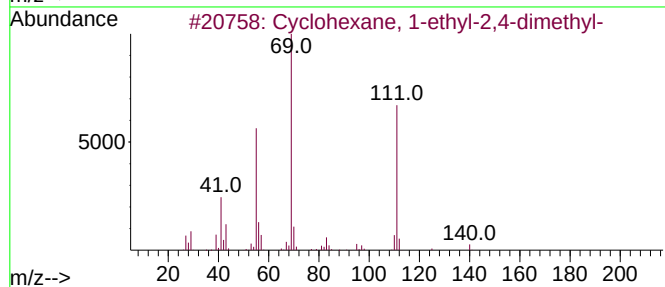
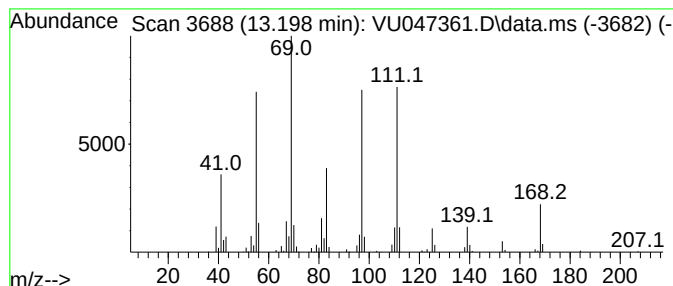
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 25 (DEL) Alkane: Cyclic13.198 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	2.06 ug/L	267412	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	55
2		Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	52
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
4		Cyclooctane, ethyl-	140	C10H20	013152-02-8	46
5		Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

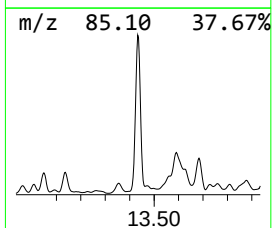
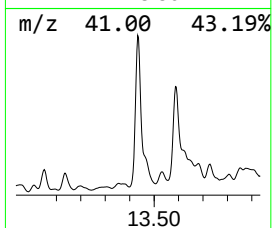
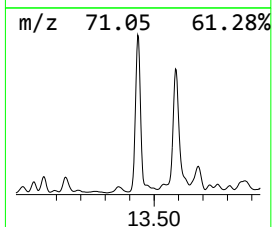
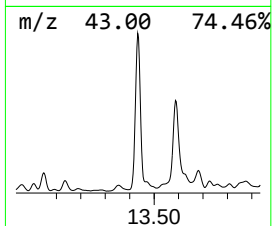
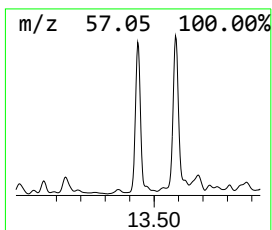
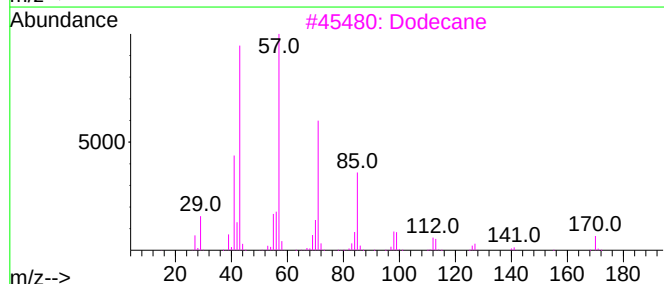
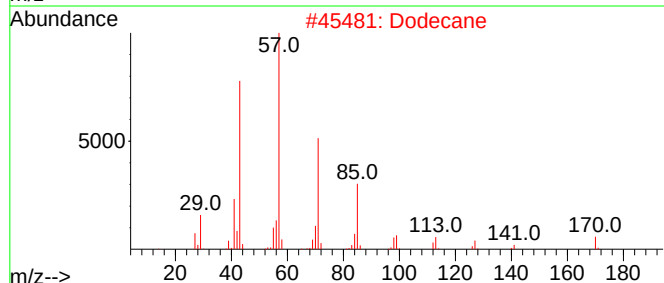
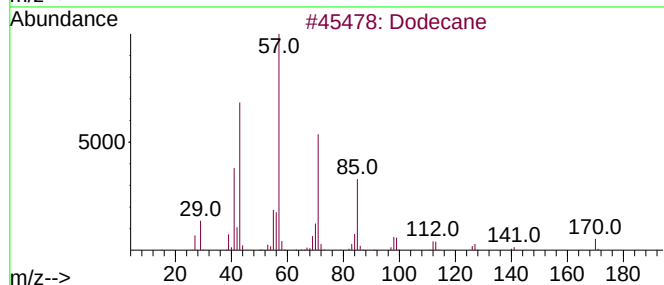
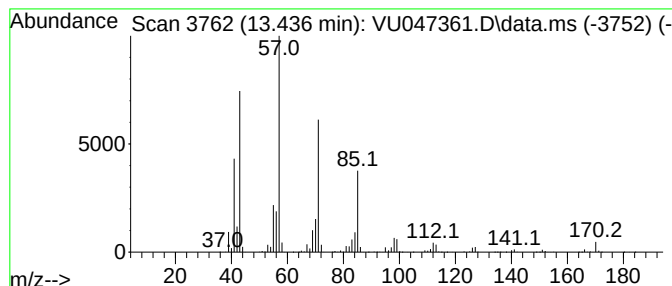
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.436	47.52 ug/L	6171830	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	97
2			Dodecane	170	C12H26	000112-40-3	86
3			Dodecane	170	C12H26	000112-40-3	86
4			Undecane	156	C11H24	001120-21-4	83
5			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

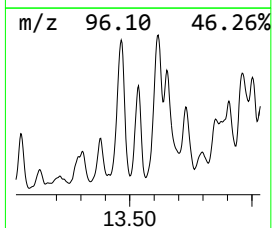
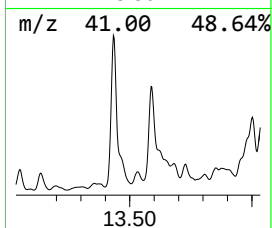
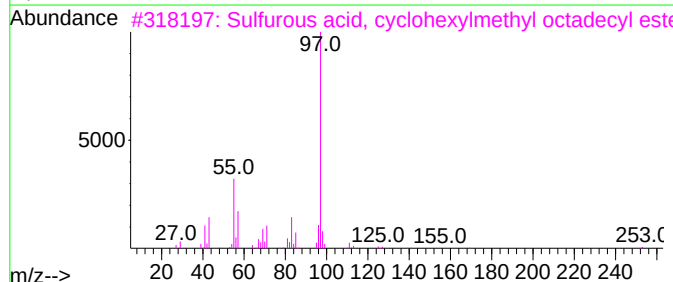
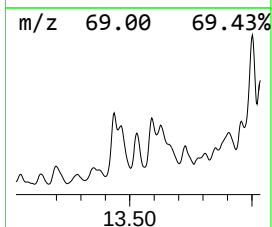
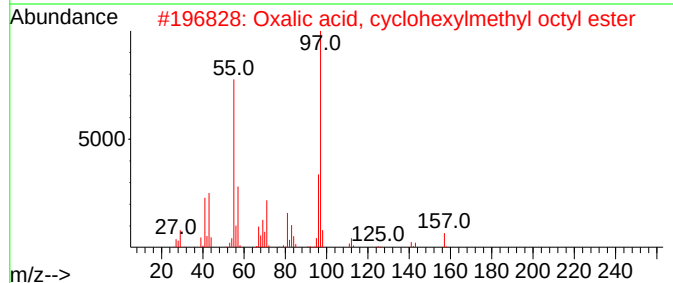
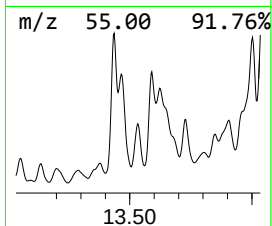
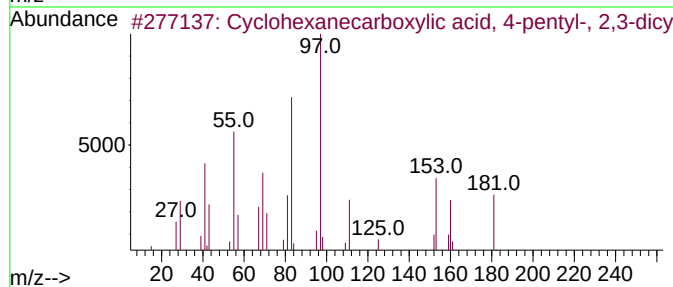
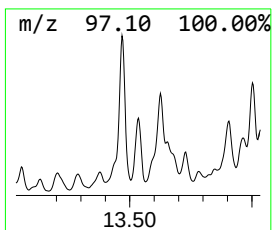
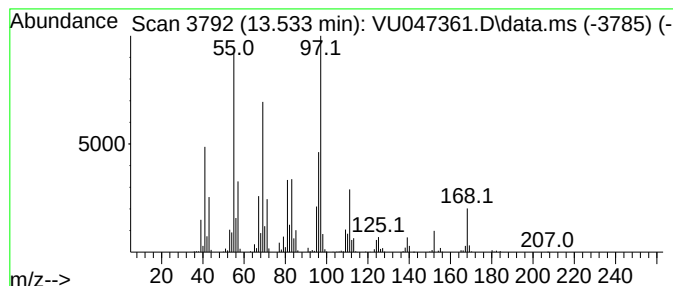
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 27 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.533	4.19 ug/L	544345	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanecarboxylic acid, 4-pe...	368	C22H28N2O3	133856-87-8	47
2			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	47
3			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	46
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

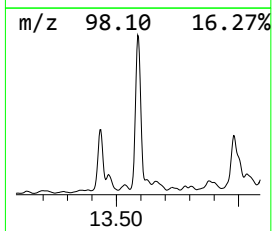
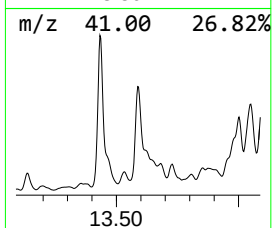
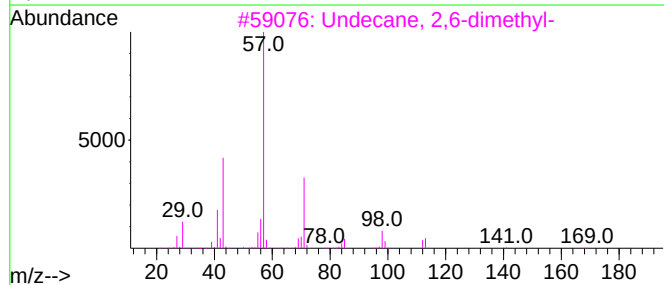
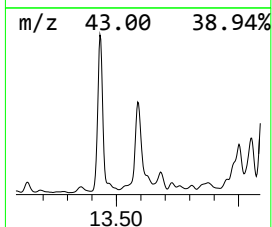
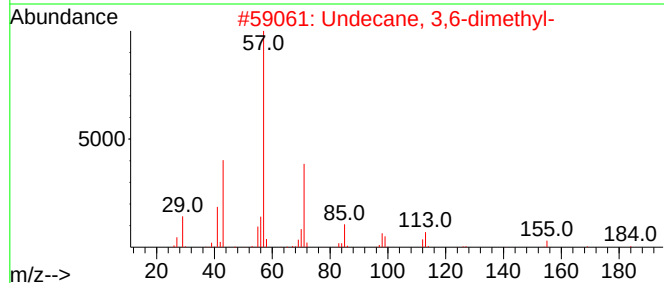
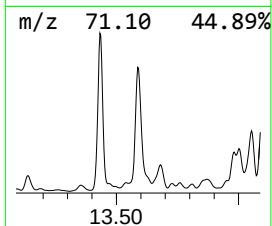
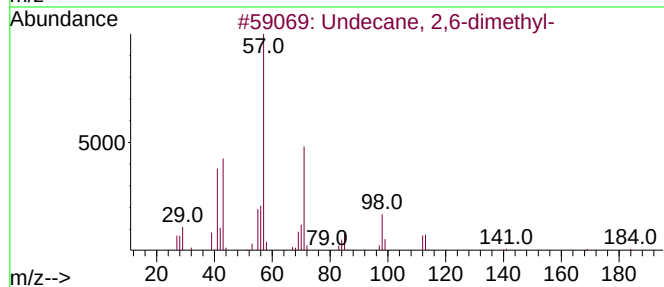
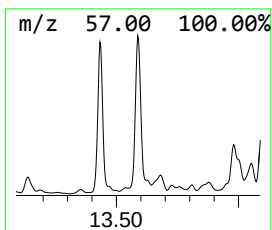
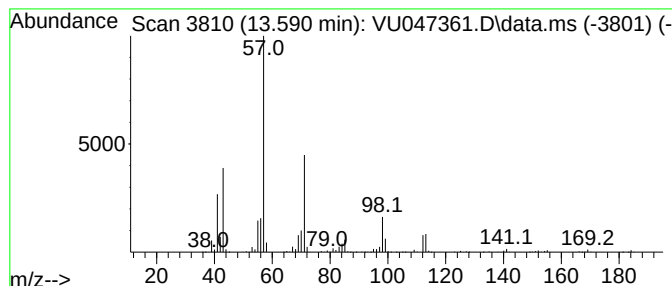
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.590	30.08 ug/L	3907000	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5		Octane, 4-ethyl-	142	C10H22	015869-86-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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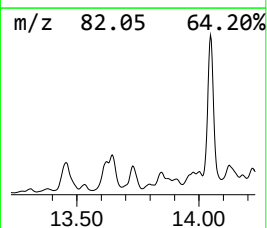
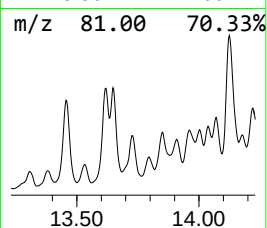
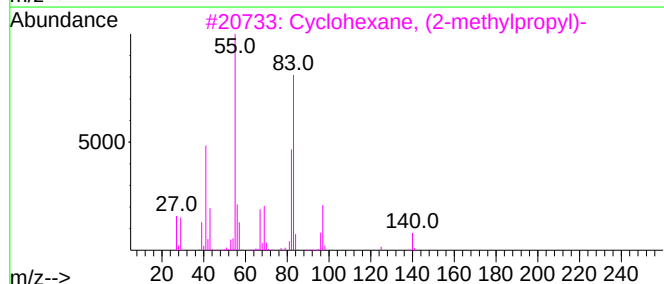
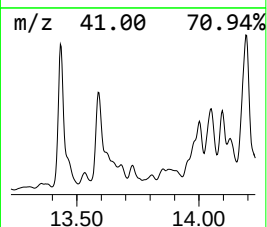
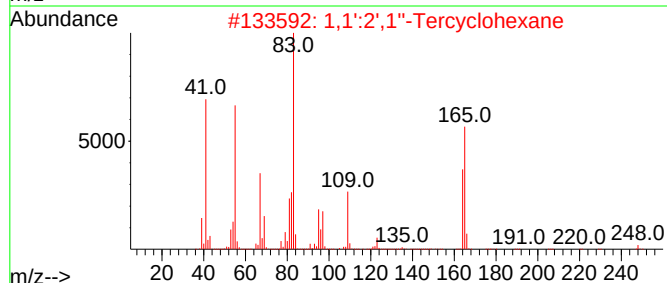
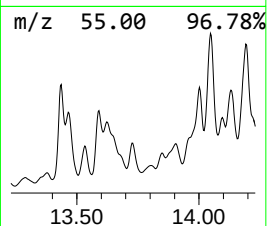
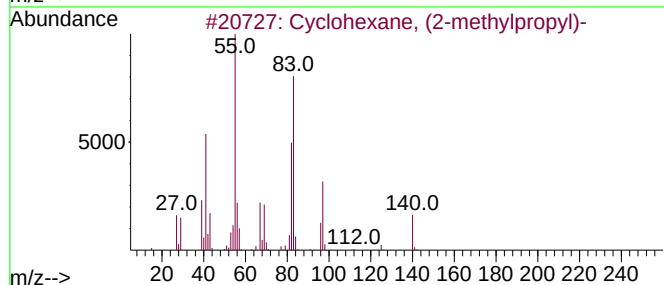
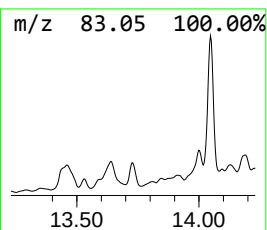
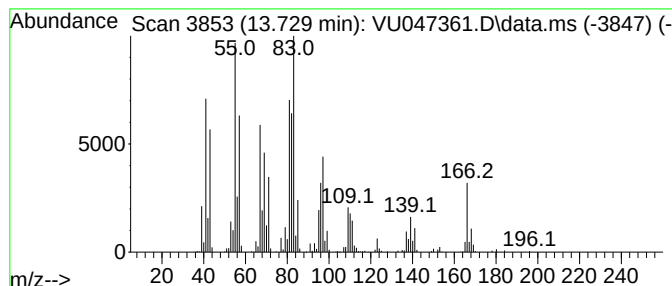
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 29 (DEL) Alkane: Cyclic13.729 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.729	5.62 ug/L	729646	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
2			1,1':2',1''-Tercyclohexane	248	C18H32	002456-43-1	43
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	38
5			11-Dodecenol	184	C12H24O	035289-31-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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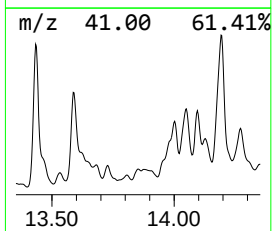
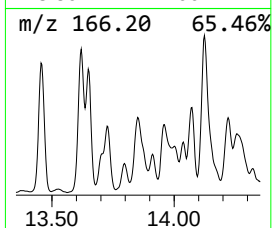
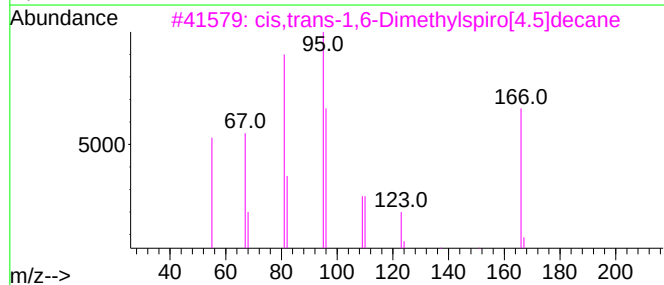
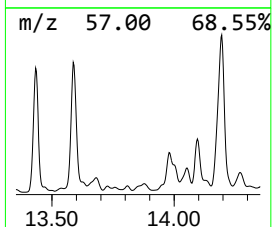
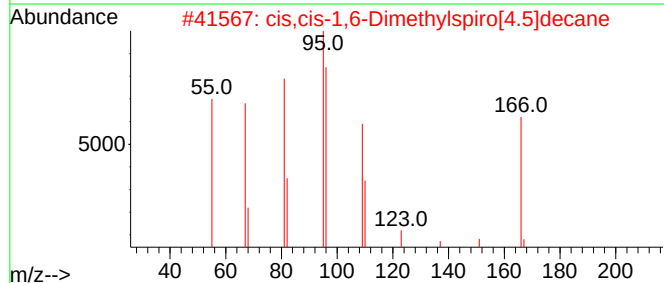
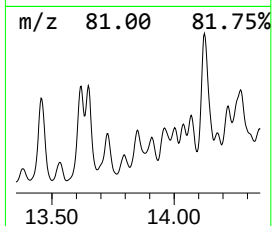
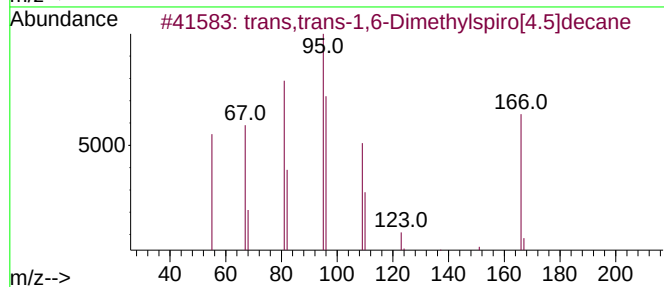
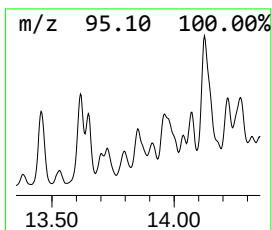
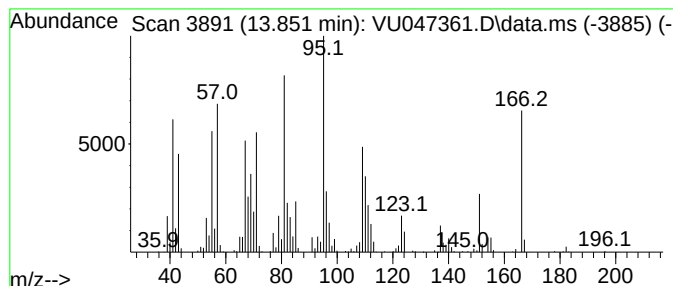
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 30 trans,trans-1,6-Dimethylspi... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	4.23 ug/L	549623	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans,trans-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-1	70
2			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	53
3			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	53
4			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	45
5			3-Octyne	110	C8H14	015232-76-5	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

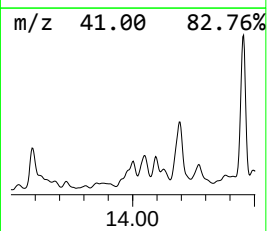
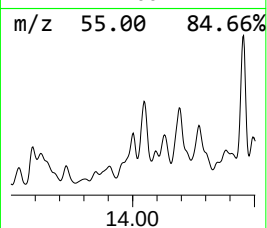
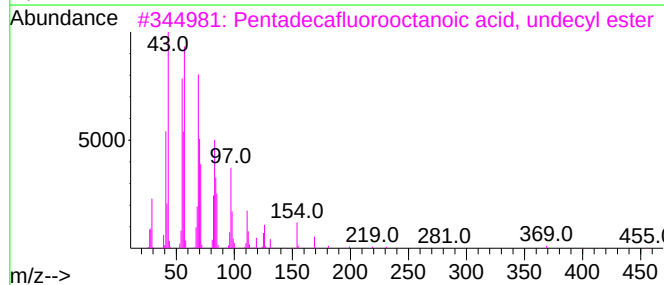
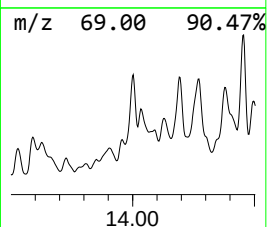
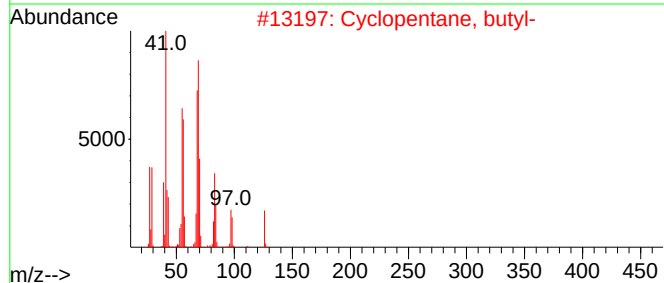
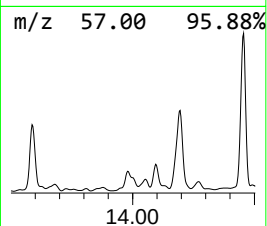
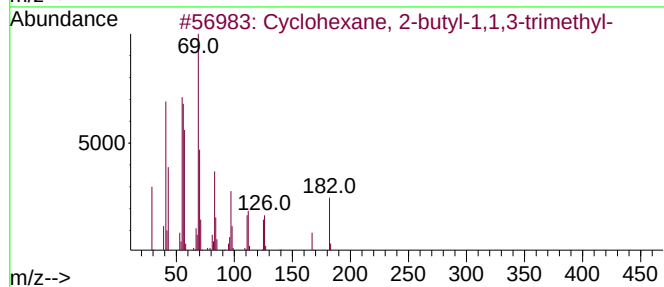
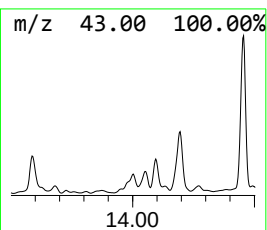
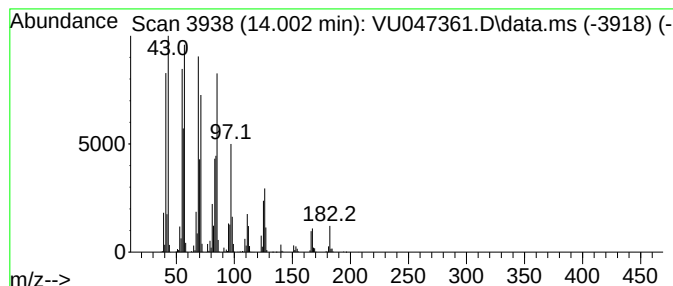
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 31 (DEL) Alkane: Cyclic14.002 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.002	30.78 ug/L	3998290	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	64
2			Cyclopentane, butyl-	126	C9H18	002040-95-1	60
3			Pentadecafluorooctanoic acid, un...	568	C19H23F15O2	1010406-04-1	58
4			6-Tridecene, (E)-	182	C13H26	006434-76-0	50
5			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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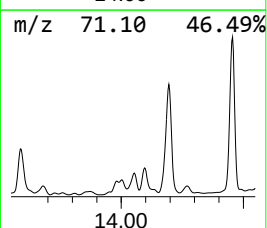
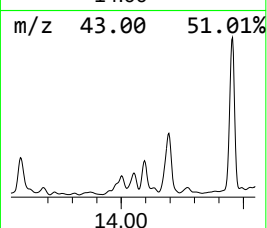
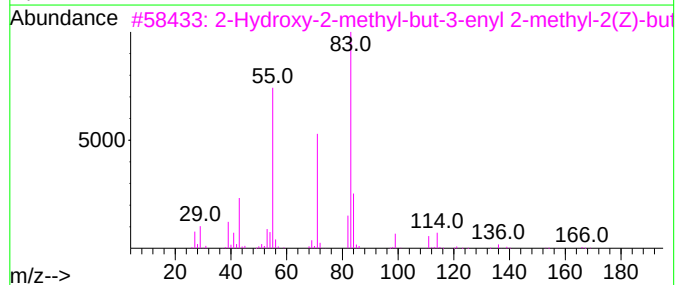
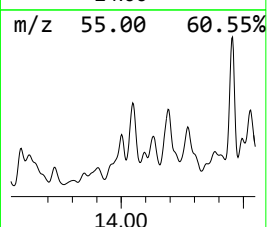
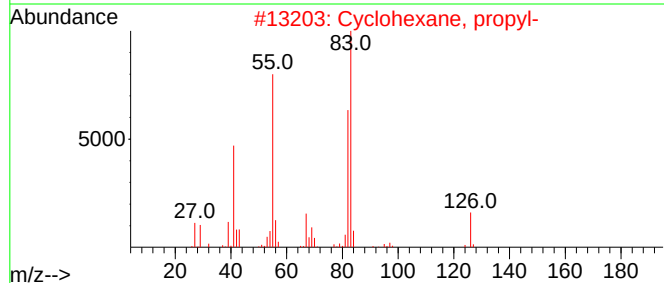
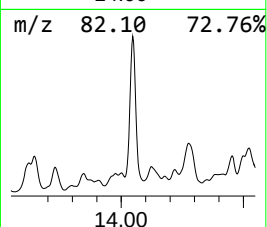
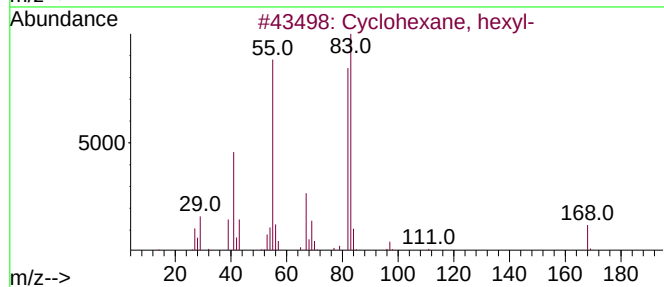
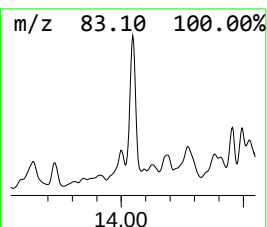
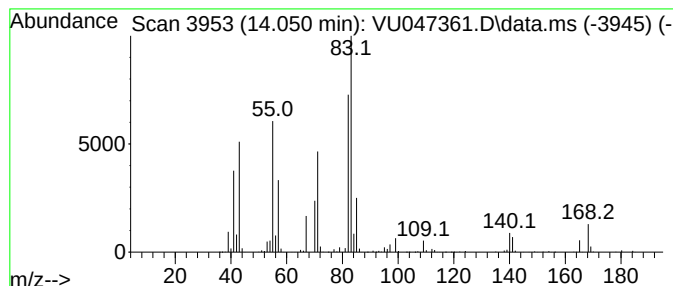
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 32 (DEL) Alkane: Cyclic14.050 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.050	16.73 ug/L	2173440	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, hexyl-	168	C12H24	004292-75-5	49
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	43
3			2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	43
4			Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

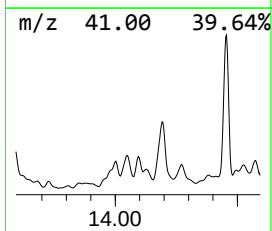
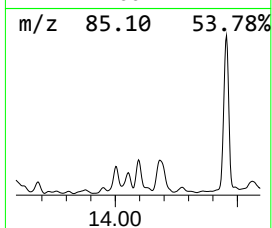
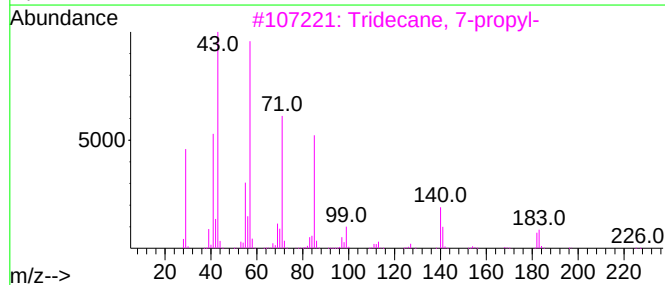
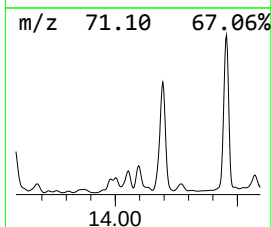
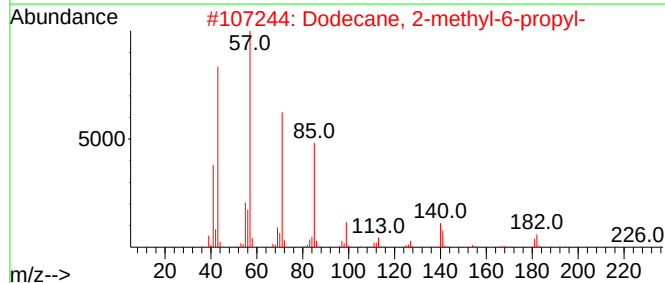
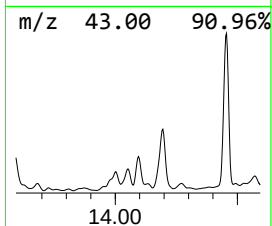
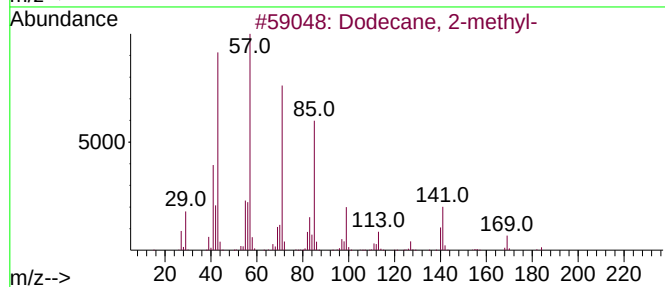
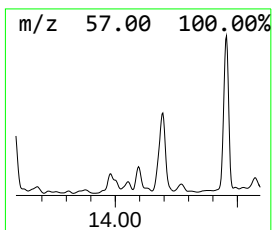
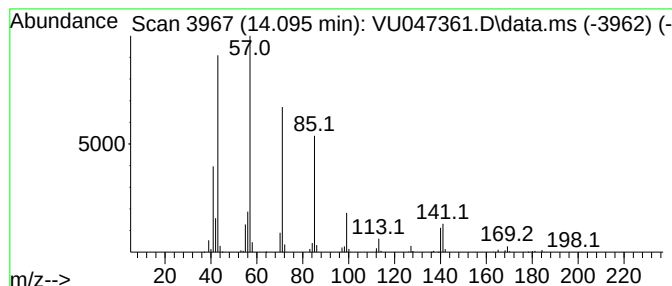
Instrument :
MSVOA_U
ClientSampleId :
BFY19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.095	6.85 ug/L	890290	1,4-Dichlorobenzene-d4		11.812	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-		184	C13H28	001560-97-0	91
2	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	90
3	Tridecane, 7-propyl-		226	C16H34	055045-09-5	80
4	Dodecane, 4-methyl-		184	C13H28	006117-97-1	68
5	Dodecane, 4-methyl-		184	C13H28	006117-97-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

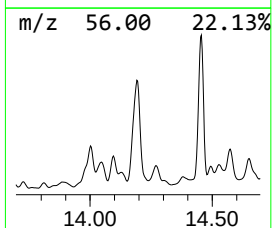
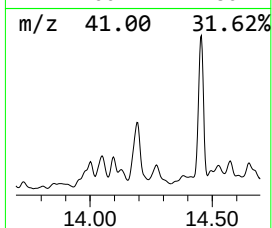
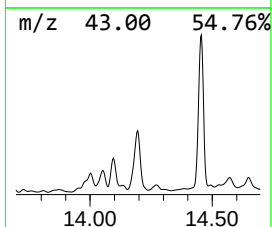
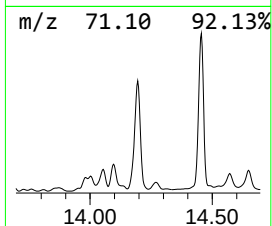
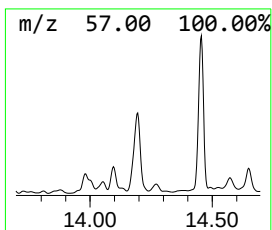
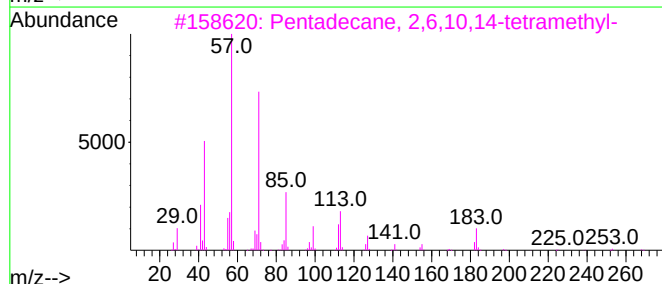
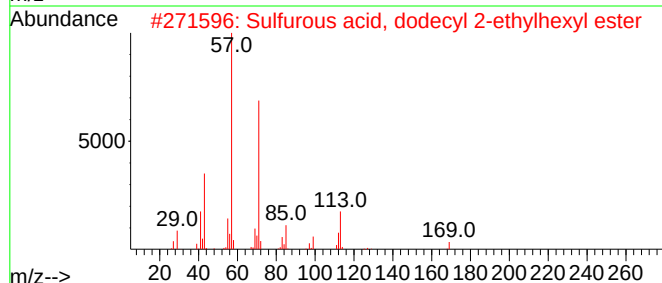
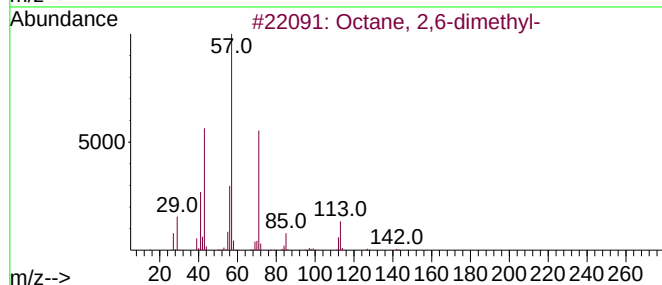
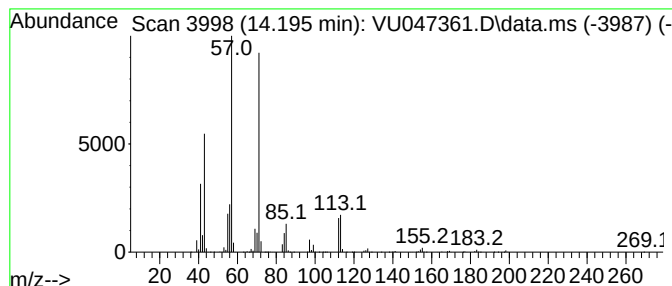
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.195	46.42 ug/L	6029720	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22		002051-30-1	90
2	Sulfurous acid, dodecyl 2-ethylh...		362	C20H42O3S		1000309-19-5	80
3	Pentadecane, 2,6,10,14-tetramethyl-		268	C19H40		001921-70-6	78
4	Sulfurous acid, 2-ethylhexyl pen...		264	C13H28O3S		1000309-18-9	72
5	Oxalic acid, bis(2-ethylhexyl) e...		314	C18H34O4		1000309-39-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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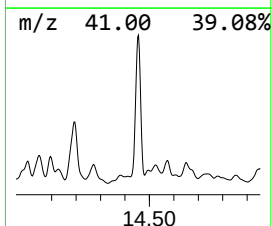
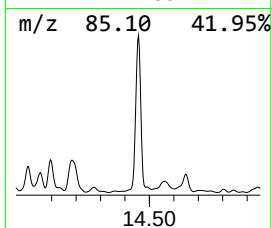
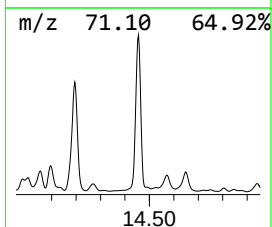
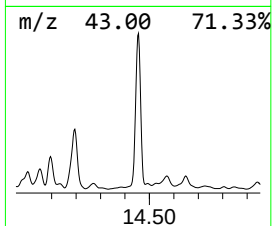
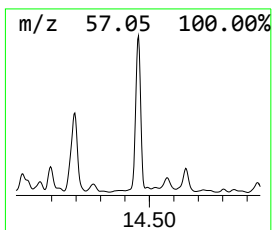
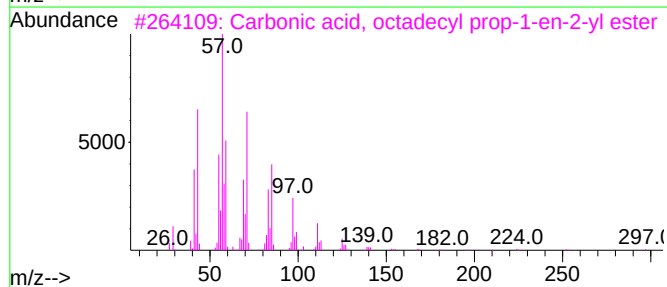
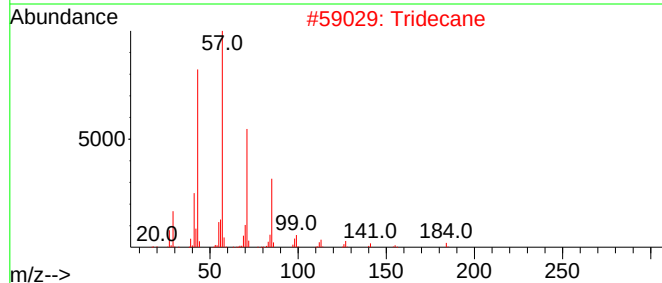
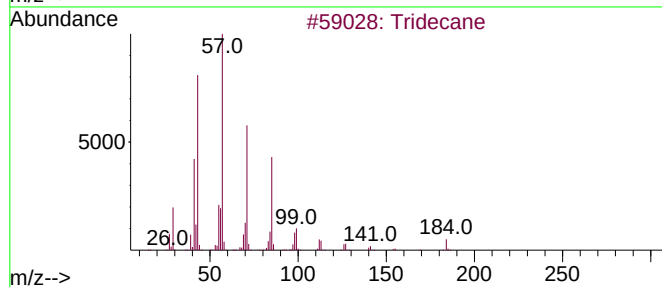
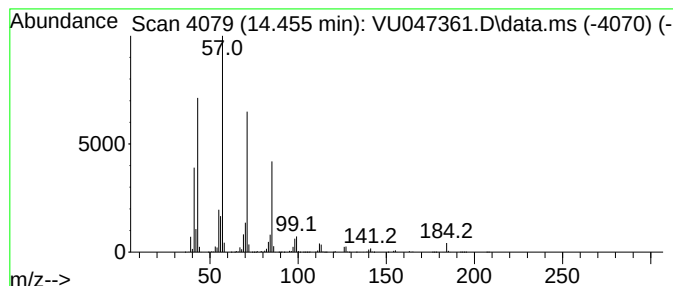
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.455	73.64 ug/L	9564410	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Tridecane	184	C13H28	000629-50-5	90
3			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	90
4			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90
5			Tridecane	184	C13H28	000629-50-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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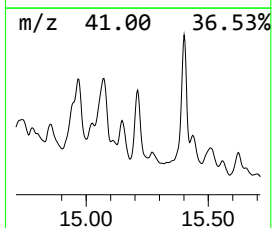
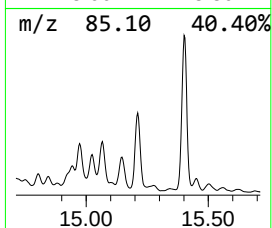
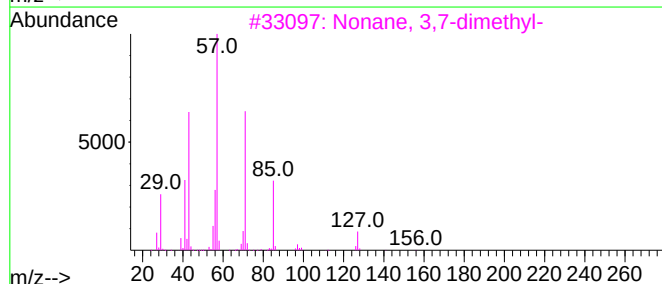
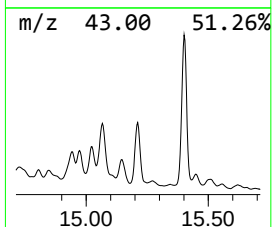
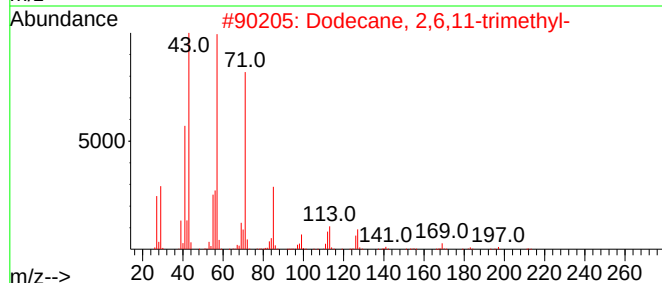
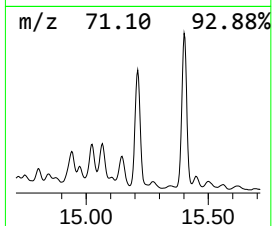
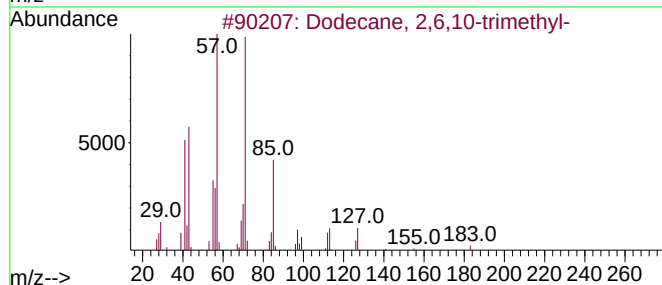
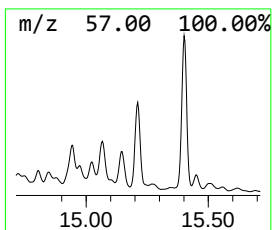
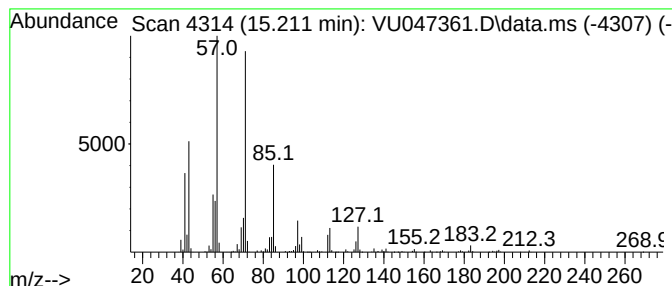
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.211	14.75 ug/L	1916410	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

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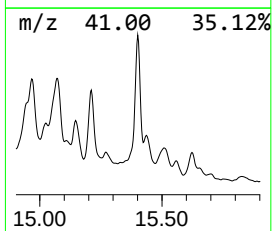
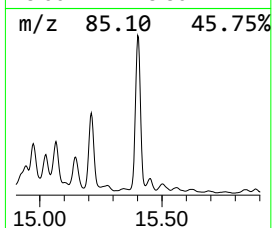
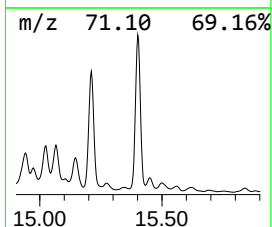
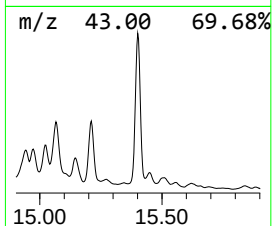
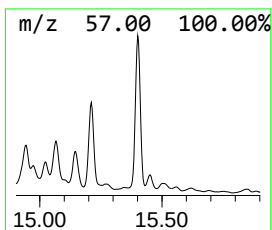
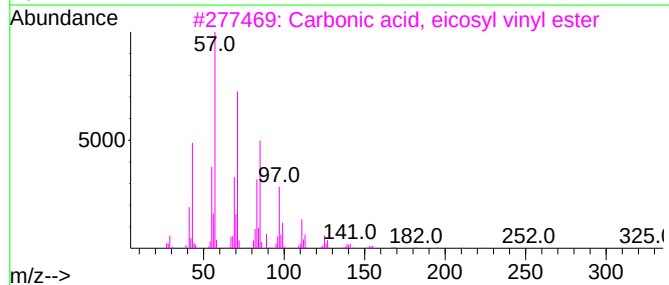
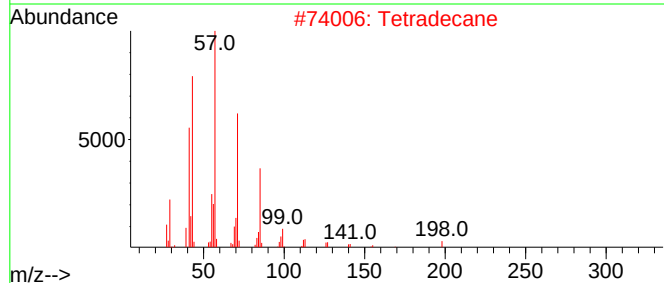
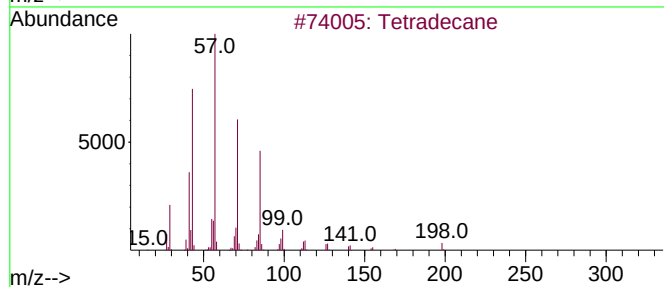
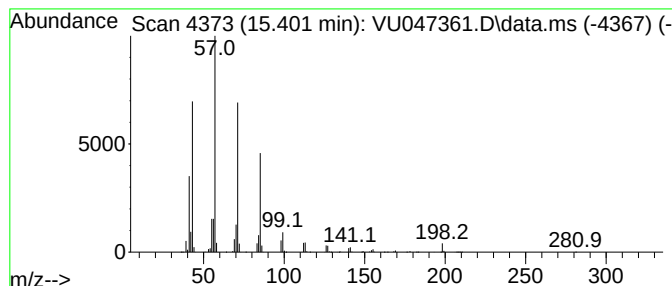
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.401	13.29 ug/L	1726270	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	98
2		Tetradecane	198	C14H30	000629-59-4	91
3		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91
4		Nonadecane	268	C19H40	000629-92-5	90
5		Tetradecane	198	C14H30	000629-59-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

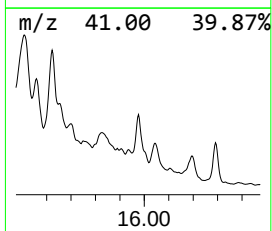
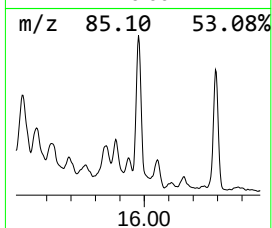
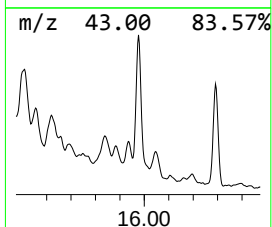
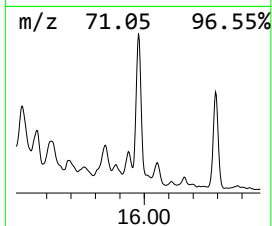
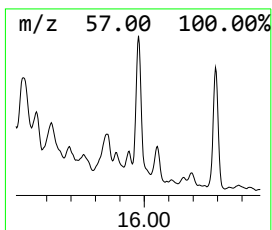
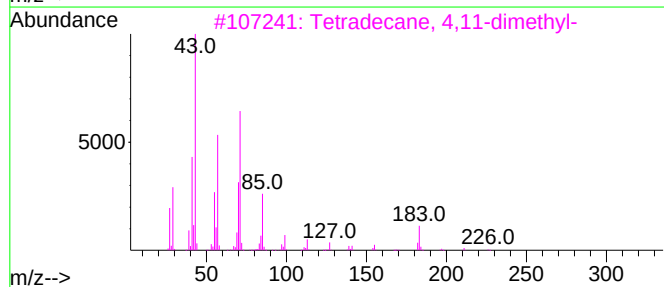
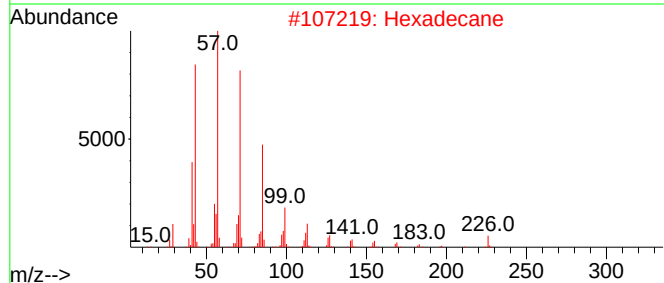
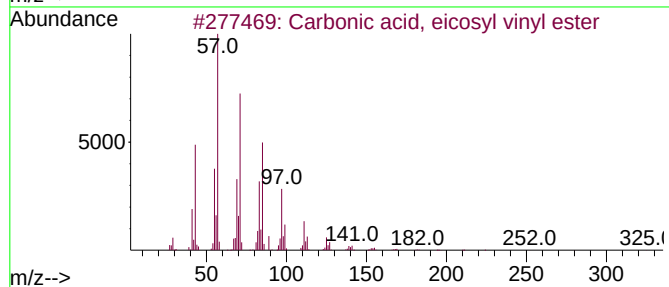
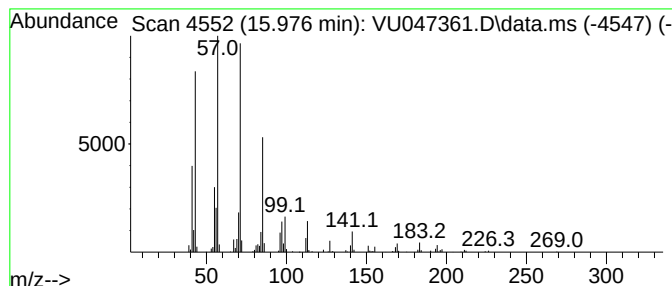
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 38 Carbonic acid, eicosyl vinyl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.976	3.09 ug/L	401764	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
2			Hexadecane	226	C16H34	000544-76-3	86
3			Tetradecane, 4,11-dimethyl-	226	C16H34	055045-12-0	80
4			Nonadecane	268	C19H40	000629-92-5	80
5			Dodecane, 4-methyl-	184	C13H28	006117-97-1	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
Data File : VU047361.D
Acq On : 07 Mar 2022 12:46
Operator : SY/MD
Sample : N1773-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY19

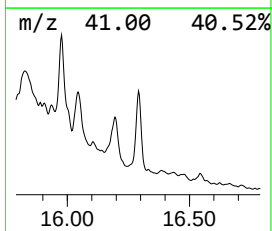
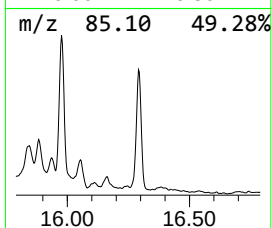
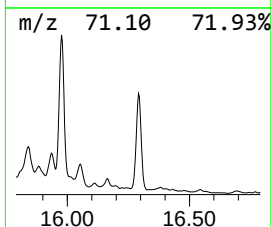
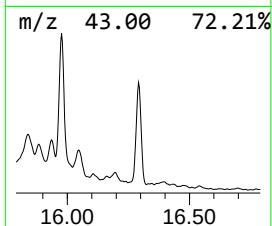
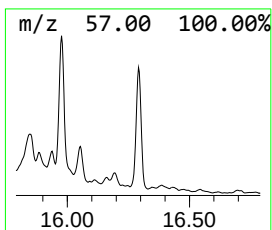
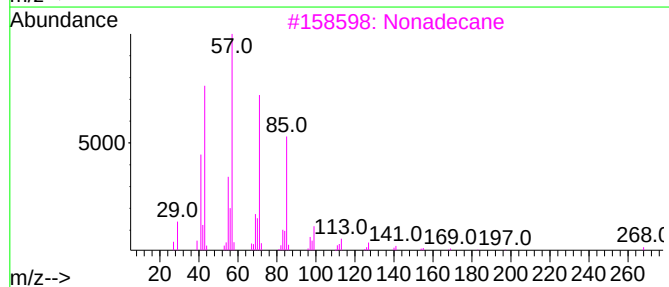
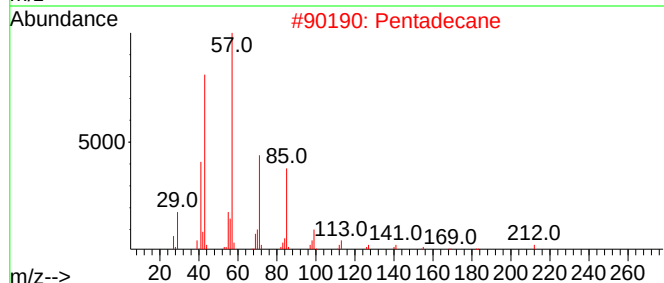
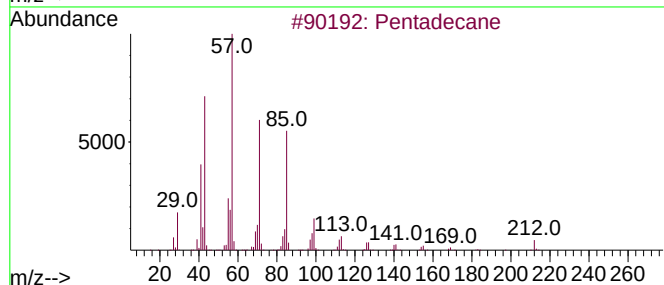
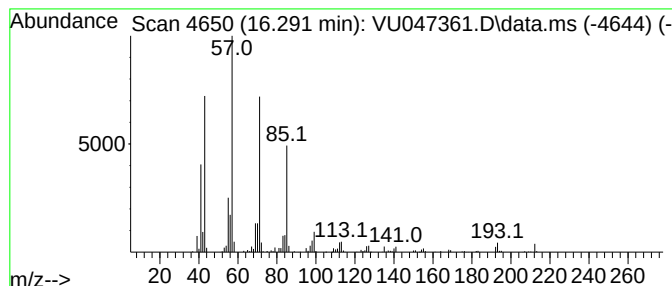
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.291	2.53 ug/L	328879	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane	212	C15H32	000629-62-9	93
2		Pentadecane	212	C15H32	000629-62-9	92
3		Nonadecane	268	C19H40	000629-92-5	90
4		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	87
5		Tetradecane	198	C14H30	000629-59-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030722\
 Data File : VU047361.D
 Acq On : 07 Mar 2022 12:46
 Operator : SY/MD
 Sample : N1773-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.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
(DEL) Alkane: S...	1.366	8.5	ug/L	711170	1	6.279	418167	5.0
Pentanal	6.912	1.2	ug/L	98066	1	6.279	418167	5.0
Hexanal	8.800	8.5	ug/L	867077	2	9.423	508146	5.0
Heptanal	10.346	2.3	ug/L	228521	2	9.423	508146	5.0
(DEL) Alkane: S...	10.674	2.1	ug/L	275645	3	11.812	649417	5.0
Sulfurous acid,...	11.124	0.9	ug/L	120330	3	11.812	649417	5.0
unknown-01	11.298	0.9	ug/L	117048	3	11.812	649417	5.0
(DEL) Alkane: S...	11.388	0.9	ug/L	112229	3	11.812	649417	5.0
(DEL) Alkane: S...	11.459	5.9	ug/L	768310	3	11.812	649417	5.0
(DEL) Alkane: S...	11.581	2.3	ug/L	300425	3	11.812	649417	5.0
Octadecane, 1-c...	11.693	11.8	ug/L	1528570	3	11.812	649417	5.0
(DEL) Alkane: S...	11.870	1.5	ug/L	194024	3	11.812	649417	5.0
(DEL) Alkane: S...	11.944	5.0	ug/L	643635	3	11.812	649417	5.0
(DEL) Alkane: S...	11.976	6.3	ug/L	817542	3	11.812	649417	5.0
(DEL) Alkane: S...	12.330	2.3	ug/L	291951	3	11.812	649417	5.0
(DEL) Alkane: S...	12.401	1.8	ug/L	226667	3	11.812	649417	5.0
2-Octanol, trif...	12.542	1.6	ug/L	205676	3	11.812	649417	5.0
trans-Decalin, ...	12.841	1.7	ug/L	220849	3	11.812	649417	5.0
Nonanal	12.886	4.6	ug/L	601073	3	11.812	649417	5.0
(DEL) Alkane: S...	12.957	3.6	ug/L	471517	3	11.812	649417	5.0
(DEL) Alkane: S...	13.009	1.9	ug/L	243711	3	11.812	649417	5.0
(DEL) Alkane: S...	13.050	5.4	ug/L	705787	3	11.812	649417	5.0
(DEL) Alkane: S...	13.137	4.5	ug/L	578502	3	11.812	649417	5.0
(DEL) Alkane: C...	13.198	2.1	ug/L	267412	3	11.812	649417	5.0
(DEL) Alkane: S...	13.436	47.5	ug/L	6171830	3	11.812	649417	5.0
unknown-02	13.533	4.2	ug/L	544345	3	11.812	649417	5.0
(DEL) Alkane: S...	13.590	30.1	ug/L	3907000	3	11.812	649417	5.0
(DEL) Alkane: C...	13.729	5.6	ug/L	729646	3	11.812	649417	5.0
trans,trans-1,6...	13.851	4.2	ug/L	549623	3	11.812	649417	5.0
(DEL) Alkane: C...	14.002	30.8	ug/L	3998290	3	11.812	649417	5.0
(DEL) Alkane: C...	14.050	16.7	ug/L	2173440	3	11.812	649417	5.0
(DEL) Alkane: S...	14.095	6.8	ug/L	890290	3	11.812	649417	5.0
(DEL) Alkane: S...	14.195	46.4	ug/L	6029720	3	11.812	649417	5.0
(DEL) Alkane: S...	14.455	73.6	ug/L	9564410	3	11.812	649417	5.0
(DEL) Alkane: S...	15.211	14.8	ug/L	1916410	3	11.812	649417	5.0
(DEL) Alkane: S...	15.401	13.3	ug/L	1726270	3	11.812	649417	5.0
Carbonic acid, ...	15.976	3.1	ug/L	401764	3	11.812	649417	5.0
(DEL) Alkane: S...	16.291	2.5	ug/L	328879	3	11.812	649417	5.0