

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
 Data File : VU047414.D
 Acq On : 09 Mar 2022 19:09
 Operator : SY/MD
 Sample : N1840-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY23

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\SFAMUTR030922WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU047414.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.571	366	383	399	rBV3	124158	238837	2.16%	0.196%
2	4.661	1014	1033	1089	rBV3	36670	167054	1.51%	0.137%
3	5.070	1143	1160	1186	rBV2	75114	180824	1.63%	0.148%
4	5.729	1344	1365	1396	rBV2	152764	392052	3.54%	0.321%
5	6.253	1513	1528	1550	rBV	200620	380756	3.44%	0.312%
6	6.693	1650	1665	1682	rBV	90774	177983	1.61%	0.146%
7	7.899	2026	2040	2056	rBV	201285	346655	3.13%	0.284%
8	8.639	2257	2270	2303	rBV	199000	381181	3.44%	0.312%
9	8.787	2303	2316	2359	rVB	883316	1541707	13.91%	1.262%
10	9.417	2500	2512	2542	rVB	282866	474612	4.28%	0.389%
11	10.343	2789	2800	2811	rVV	156937	248445	2.24%	0.203%
12	10.674	2881	2903	2920	rBV	1779759	2854849	25.76%	2.337%
13	10.758	2920	2929	2935	rBV	81331	127975	1.15%	0.105%
14	10.803	2935	2943	2948	rBV	154812	234056	2.11%	0.192%
15	10.870	2957	2964	2969	rBV2	357732	546552	4.93%	0.447%
16	11.124	3030	3043	3049	rBV4	589799	1164365	10.51%	0.953%
17	11.208	3062	3069	3078	rVB	183327	274517	2.48%	0.225%
18	11.314	3090	3102	3110	rBV3	199762	385882	3.48%	0.316%
19	11.388	3113	3125	3132	rBV2	504891	917645	8.28%	0.751%
20	11.459	3138	3147	3173	rVB	3782729	6262303	56.51%	5.126%
21	11.584	3174	3186	3199	rBV	1560809	2579407	23.28%	2.112%
22	11.700	3210	3222	3233	rBV	5536524	9463278	85.39%	7.747%
23	11.748	3233	3237	3248	rVB3	402481	605302	5.46%	0.496%
24	11.819	3248	3259	3268	rBV2	724345	1366219	12.33%	1.118%
25	11.873	3268	3276	3285	rBV	999363	1508146	13.61%	1.235%
26	11.947	3285	3299	3303	rVV	3259963	5529973	49.90%	4.527%
27	11.979	3304	3309	3323	rVB	4346406	6203885	55.98%	5.079%
28	12.089	3336	3343	3346	rBV	206108	268370	2.42%	0.220%
29	12.124	3347	3354	3360	rVV4	497406	757260	6.83%	0.620%
30	12.172	3360	3369	3380	rVV3	2082080	3872568	34.94%	3.170%
31	12.278	3394	3402	3410	rVB	437750	662452	5.98%	0.542%
32	12.336	3411	3420	3430	rVV4	1311595	2257169	20.37%	1.848%
33	12.404	3430	3441	3454	rVB5	792385	1863339	16.81%	1.525%
34	12.539	3476	3483	3498	rVB4	336476	852733	7.69%	0.698%
35	12.648	3511	3517	3519	rBV	184518	219133	1.98%	0.179%
36	12.844	3569	3578	3586	rBV	1983070	2989047	26.97%	2.447%

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Title : TRACE VOA SFAM1.0

37	12.886	3587	3591	3598	rVB3	410632	457447	4.13%	0.374%
38	12.934	3598	3606	3613	rBV2	977238	1802093	16.26%	1.475%
39	13.015	3624	3631	3635	rBV3	604068	888892	8.02%	0.728%
40	13.057	3636	3644	3660	rVV3	3360359	5730147	51.71%	4.691%
41	13.137	3662	3669	3681	rVB4	1392241	2378554	21.46%	1.947%
42	13.314	3719	3724	3732	rVB	1126371	1589530	14.34%	1.301%
43	13.385	3741	3746	3754	rVB2	962469	1323926	11.95%	1.084%
44	13.462	3755	3770	3784	rVB5	3996893	11082123	100.00%	9.072%
45	13.536	3785	3793	3802	rVB2	1344940	2111483	19.05%	1.728%
46	13.619	3803	3819	3826	rBV6	3956391	9412361	84.93%	7.705%
47	13.732	3849	3854	3867	rVB5	1427548	2547295	22.99%	2.085%
48	13.854	3885	3892	3903	rBV2	925845	1757339	15.86%	1.439%
49	13.963	3918	3926	3934	rBV5	965929	2241241	20.22%	1.835%
50	14.047	3946	3952	3956	rBV5	501642	717622	6.48%	0.587%
51	14.127	3970	3977	3987	rVB3	1057115	1617946	14.60%	1.324%
52	14.452	4070	4078	4087	rVB	2784127	3714417	33.52%	3.041%
53	14.648	4135	4139	4155	rVB4	441479	831330	7.50%	0.681%
54	14.941	4225	4230	4234	rBV4	244060	308945	2.79%	0.253%
55	15.024	4250	4256	4261	rBV	284506	384725	3.47%	0.315%
56	15.066	4263	4269	4279	rVB4	771665	1258961	11.36%	1.031%
57	15.147	4288	4294	4304	rVB2	574143	881150	7.95%	0.721%
58	15.211	4305	4314	4326	rBV	1571732	2370447	21.39%	1.940%
59	15.401	4364	4373	4382	rBV	3761348	5290787	47.74%	4.331%
60	15.976	4545	4552	4566	rVV	917689	1366111	12.33%	1.118%
61	16.044	4567	4573	4586	rVB4	350500	610809	5.51%	0.500%
62	16.291	4642	4650	4662	rVB	830819	1187434	10.71%	0.972%

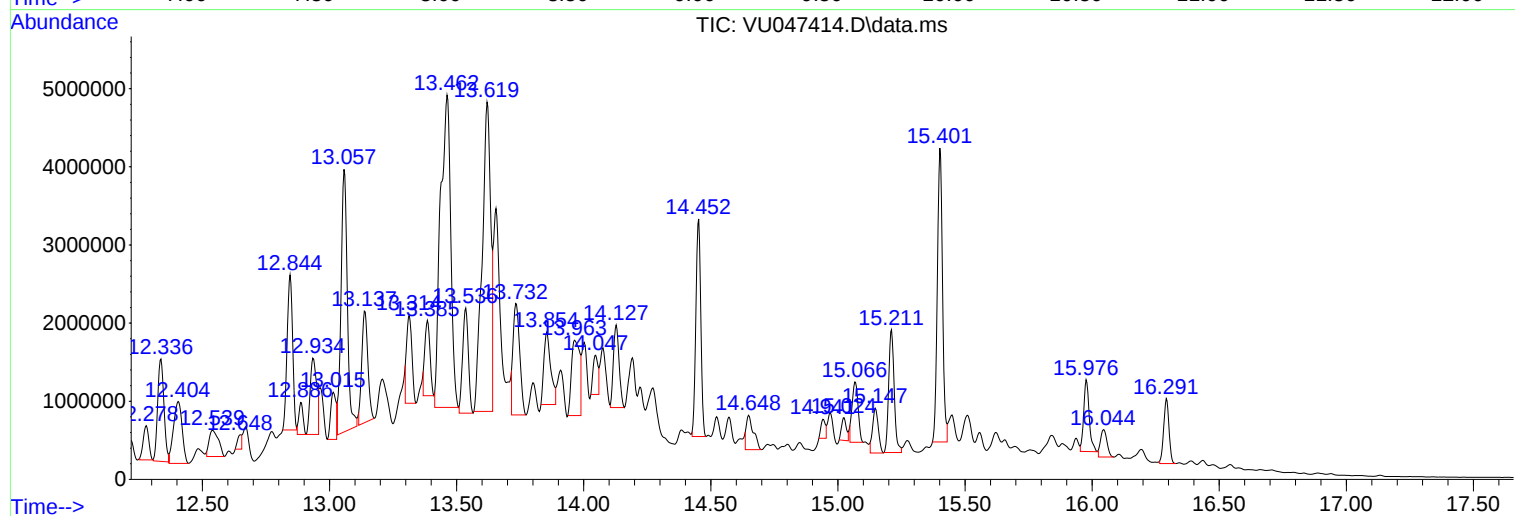
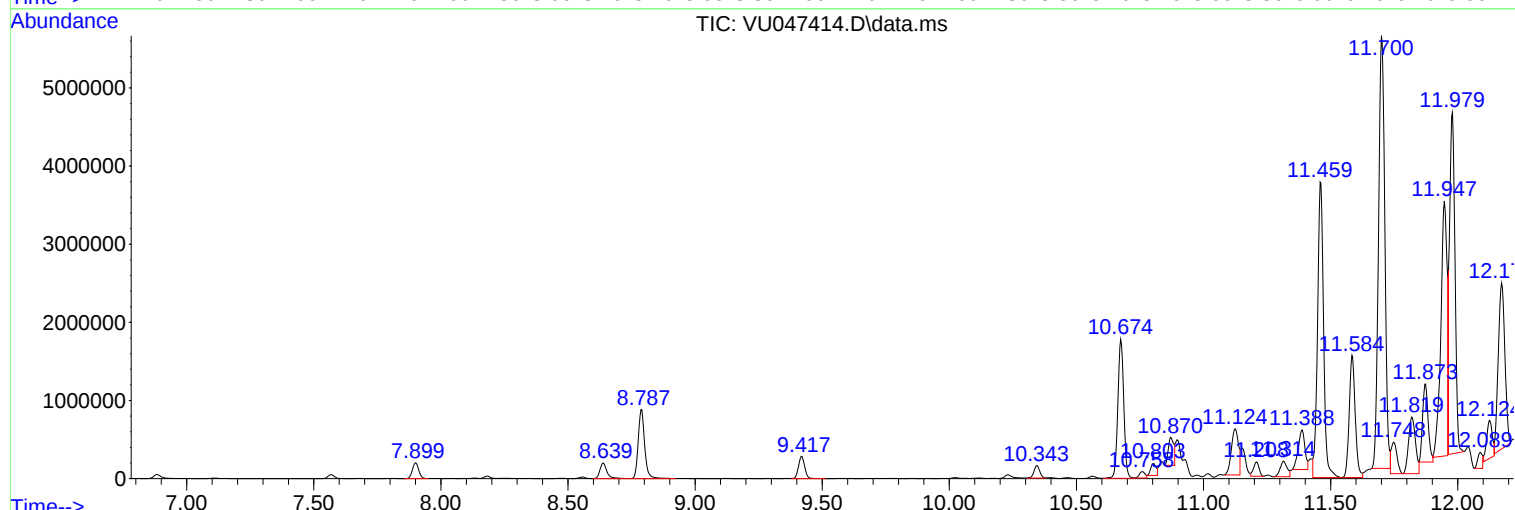
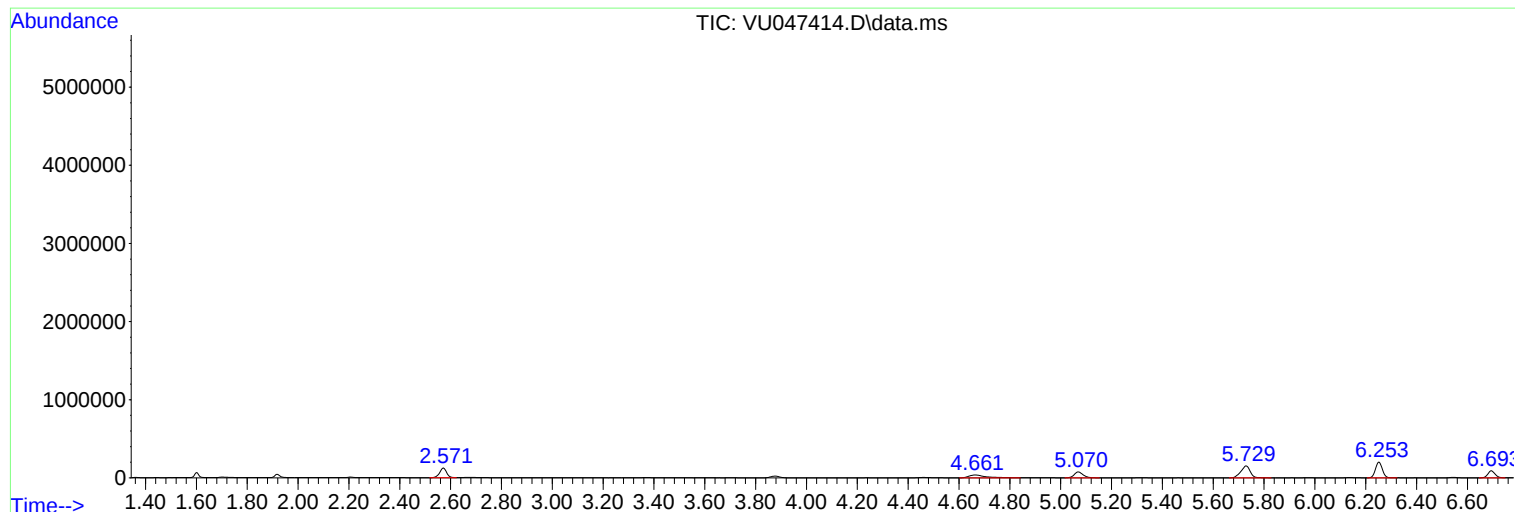
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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Operator : SY/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

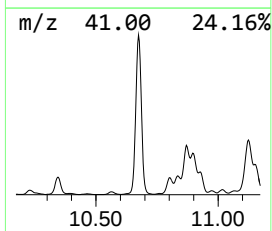
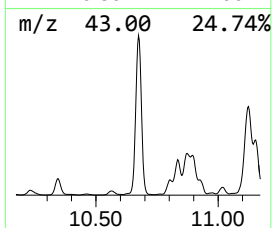
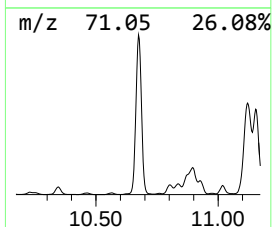
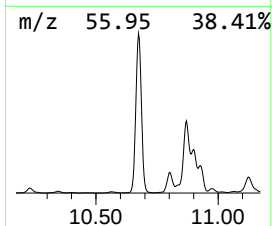
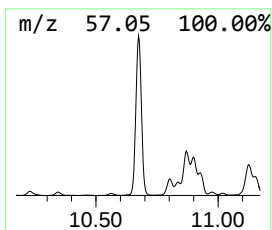
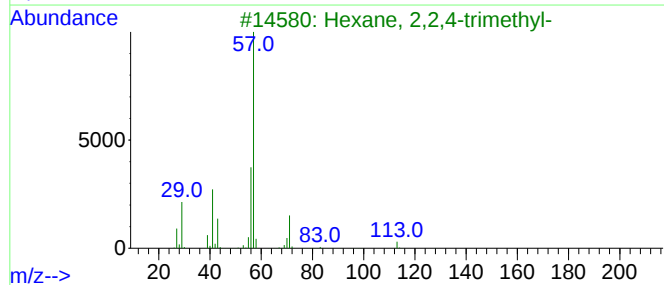
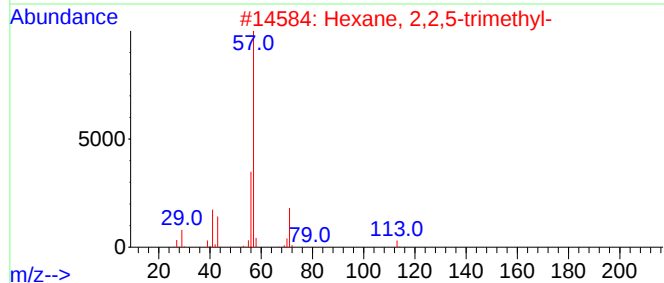
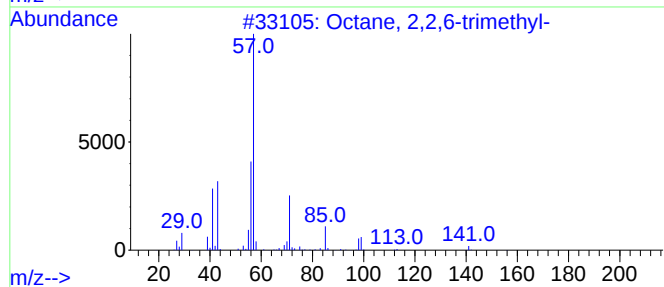
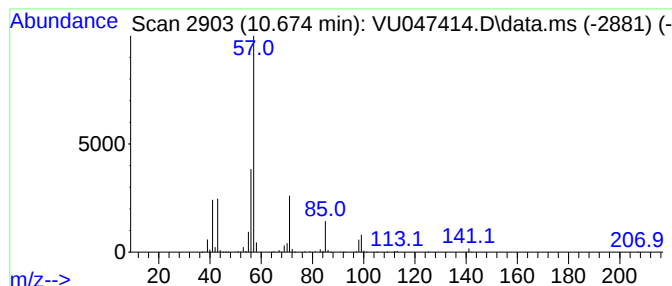
Instrument :
MSVOA_U
ClientSampleId :
BFY23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.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.
10.674	10.45 ug/L	2854850	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	Hexane, 2,2,5-trimethyl-		128	C9H20	003522-94-9	64
3	Hexane, 2,2,4-trimethyl-		128	C9H20	016747-26-5	59
4	Heptane, 2,2,4,6,6-pentamethyl-		170	C12H26	013475-82-6	53
5	Hexane, 2,2,5,5-tetramethyl-		142	C10H22	001071-81-4	53



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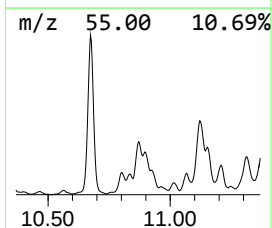
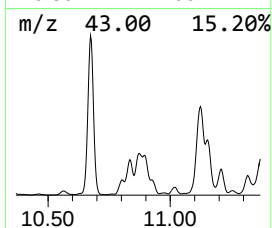
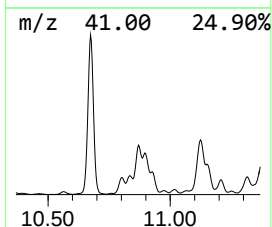
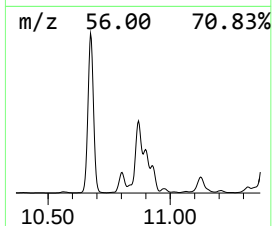
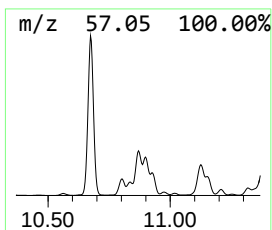
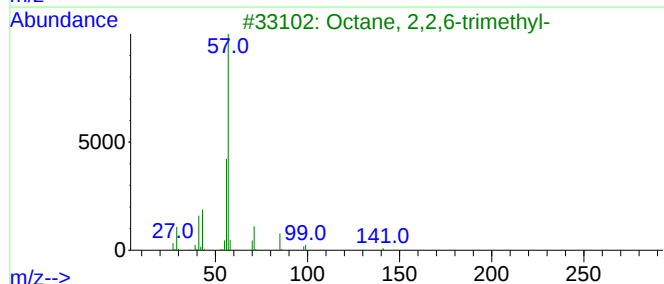
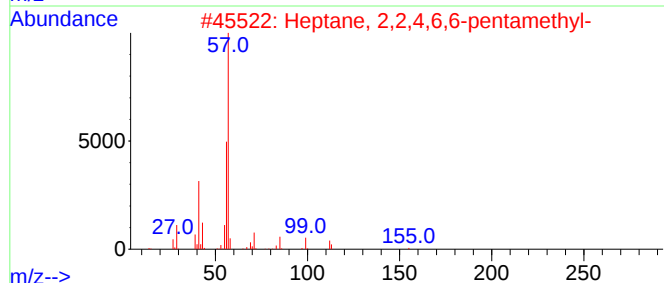
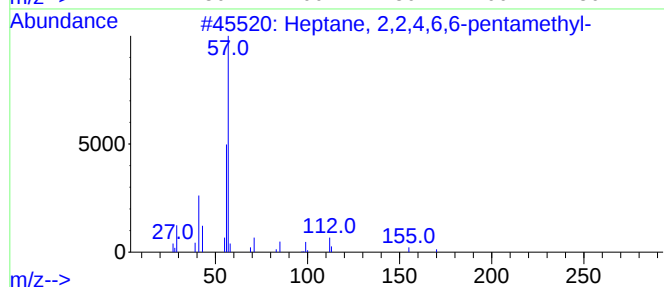
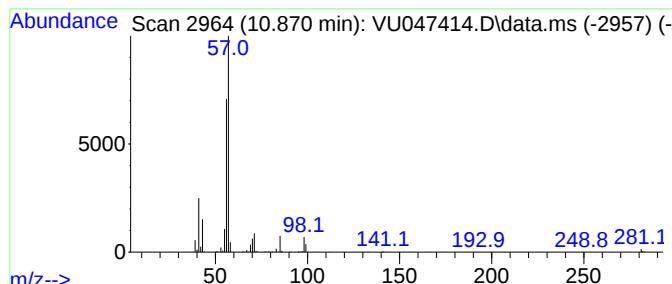
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.870	2.00 ug/L	546552	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2		Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
3		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
4		Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	64
5		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	64



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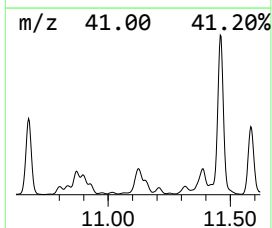
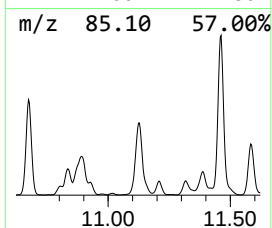
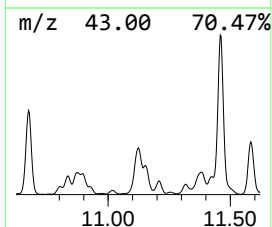
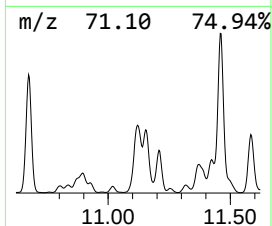
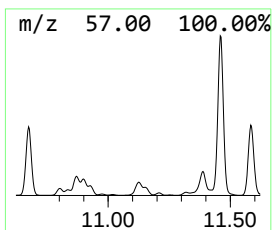
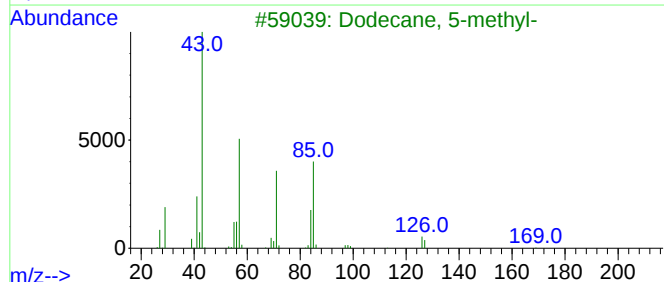
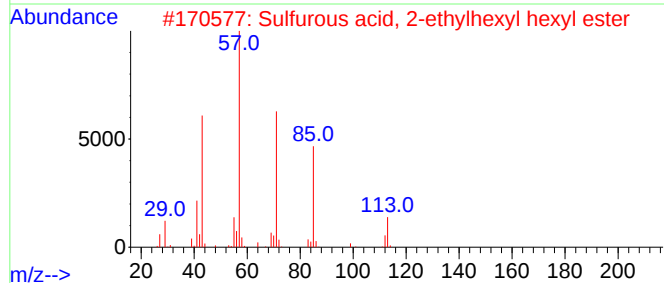
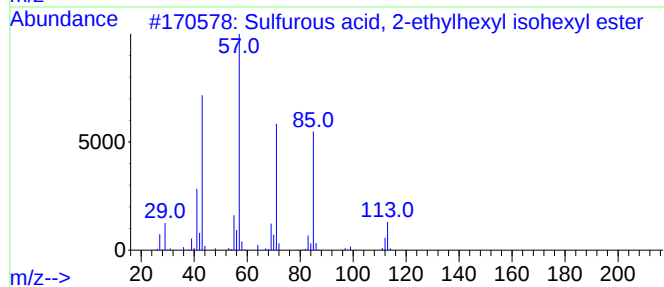
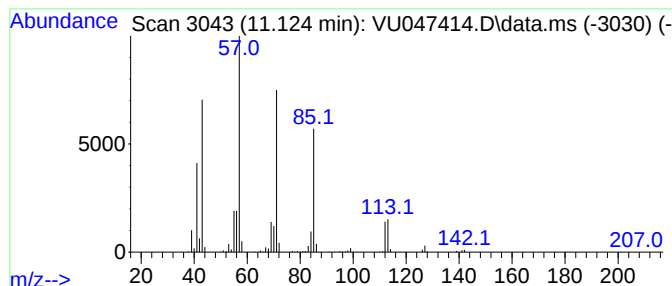
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 3 Sulfurous acid, 2-ethylhexy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.124	4.26 ug/L	1164370	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	80
2			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
3			Dodecane, 5-methyl-	184	C13H28	017453-93-9	72
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64



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ALS Vial : 18 Sample Multiplier: 1

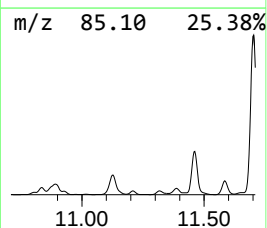
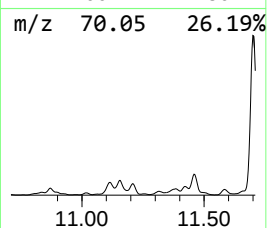
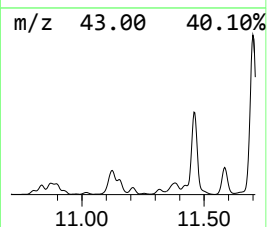
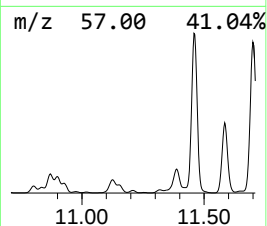
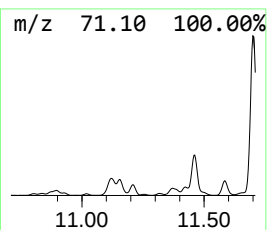
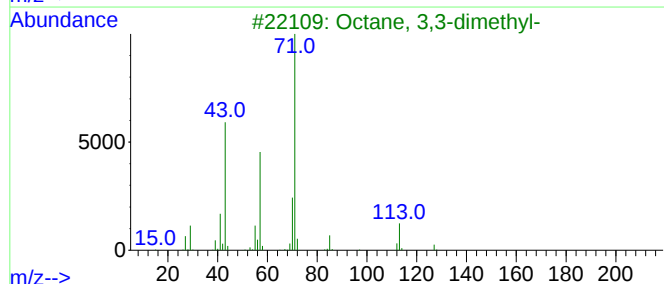
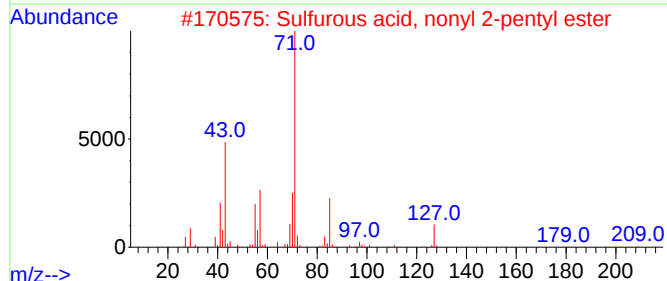
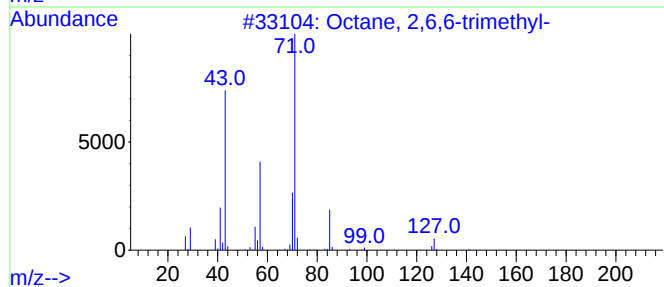
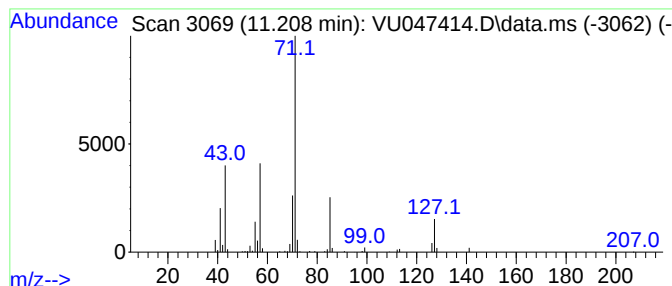
Instrument :
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.208	1.00 ug/L	274517	1,4-Dichlorobenzene-d4	11.812	
Hit# of 5	Tentative ID		MW MolForm	CAS#	Qual
1	Octane, 2,6,6-trimethyl-		156 C11H24	054166-32-4	78
2	Sulfurous acid, nonyl 2-pentyl e...		278 C14H30O3S	1010309-15-8	64
3	Octane, 3,3-dimethyl-		142 C10H22	004110-44-5	59
4	Sulfurous acid, decyl 2-pentyl e...		292 C15H32O3S	1000309-15-9	56
5	Sulfurous acid, nonyl pentyl ester		278 C14H30O3S	1000309-14-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

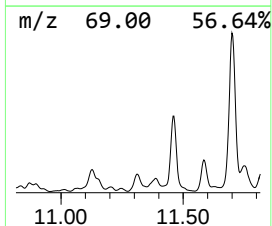
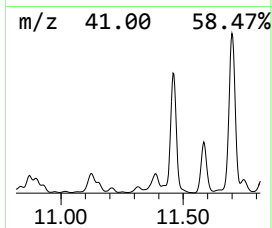
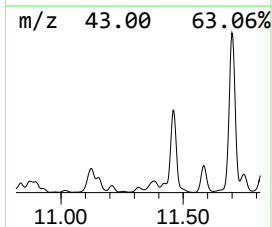
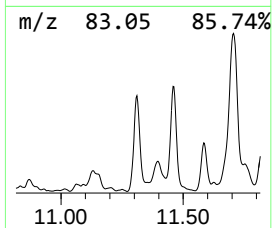
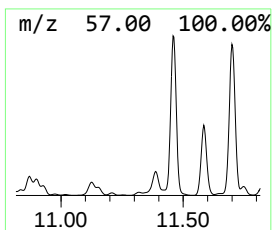
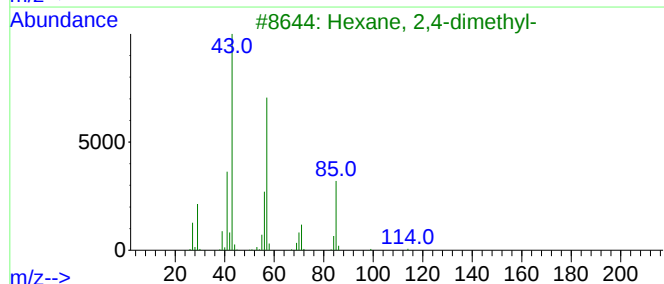
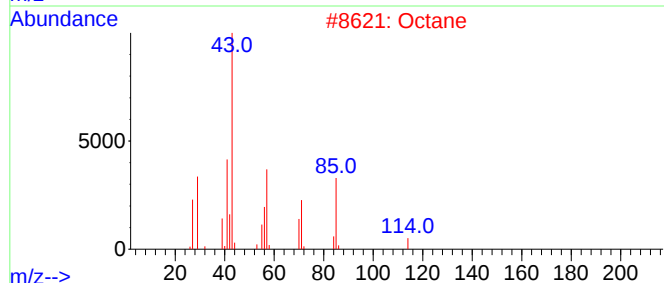
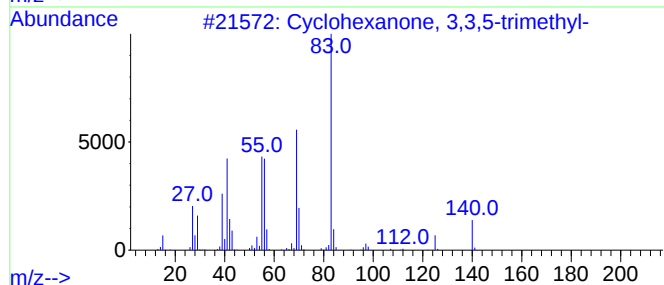
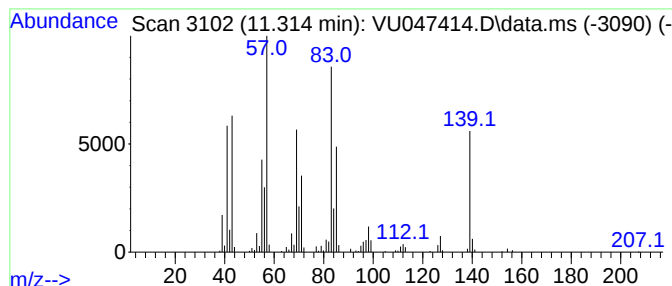
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 5 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.314	1.41 ug/L	385882	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	35
2			Octane	114	C8H18	000111-65-9	27
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	22
4			Ethyl trans-2-pentenoate	128	C7H12O2	024410-84-2	22
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

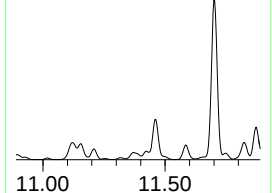
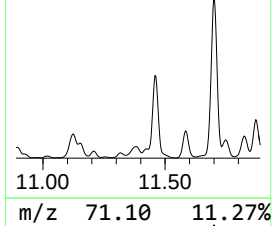
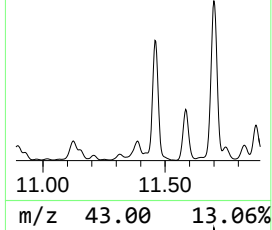
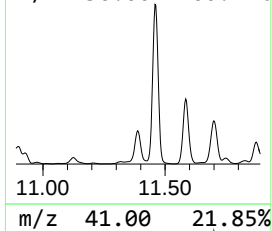
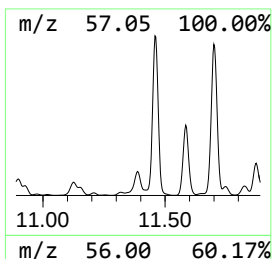
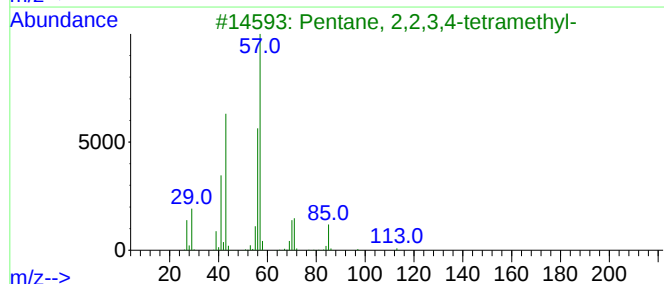
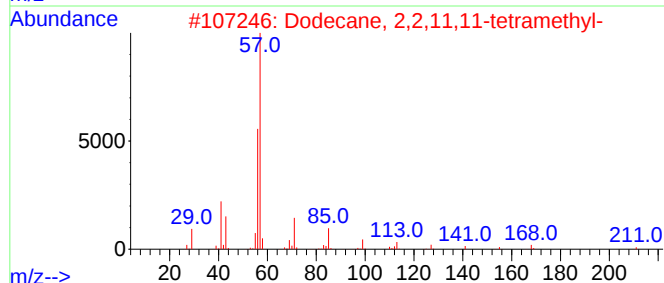
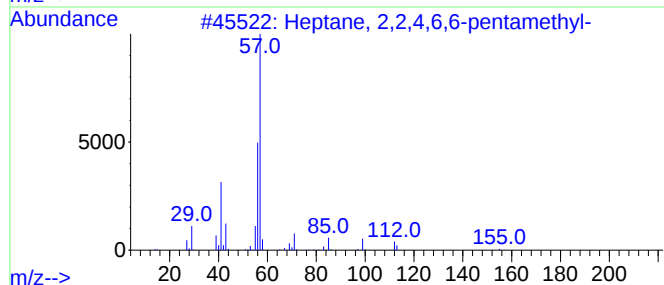
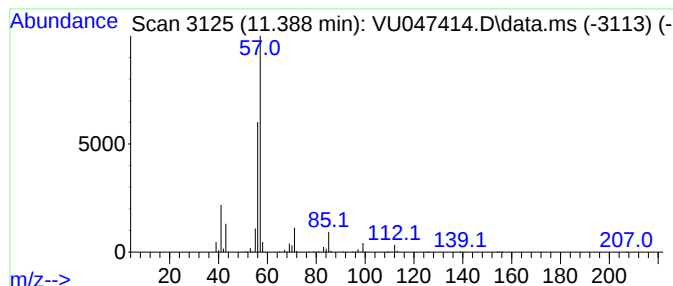
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.388	3.36 ug/L	917645	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	83
2			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	83
3			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	78
4			Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	78
5			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

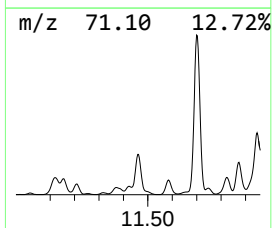
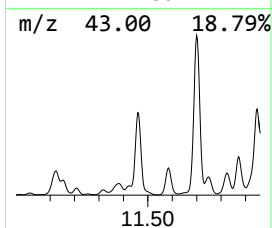
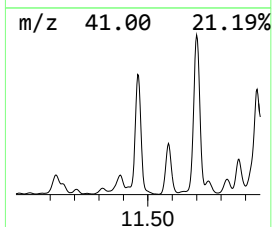
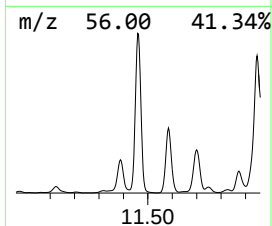
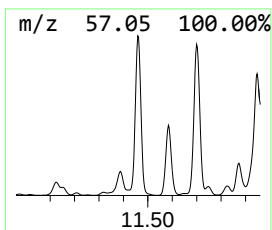
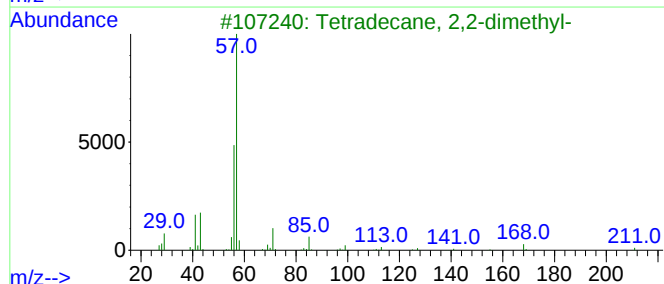
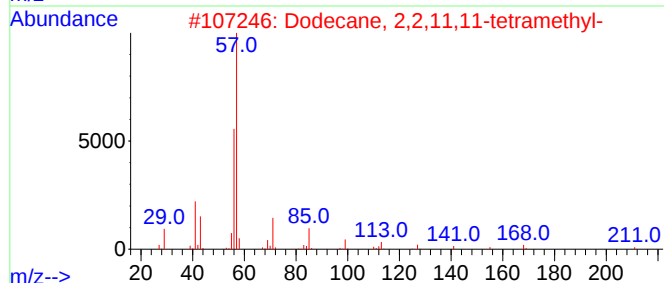
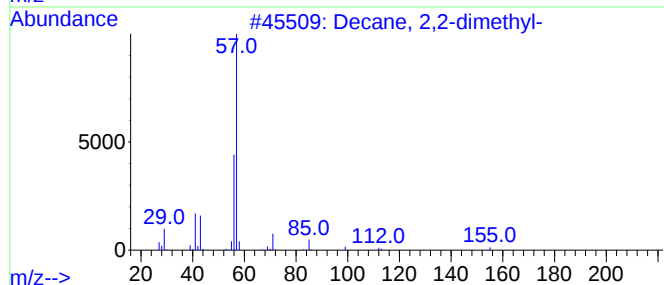
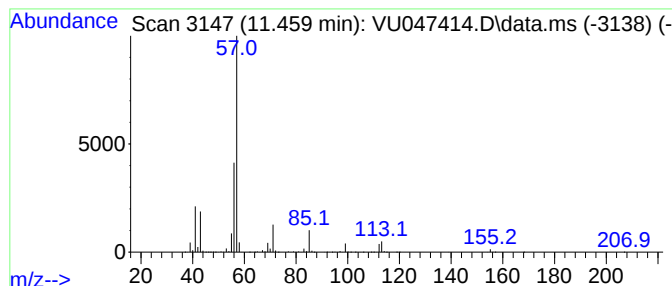
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.459	22.92 ug/L	6262300	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
2			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
3			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

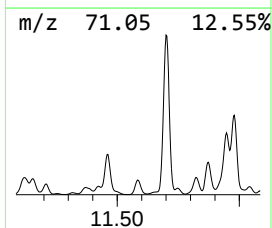
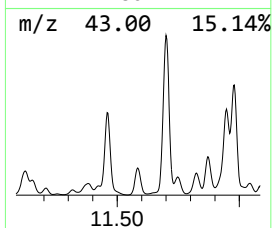
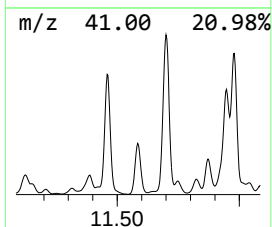
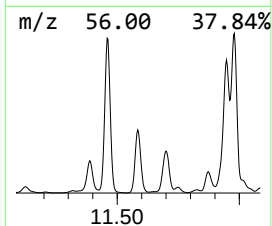
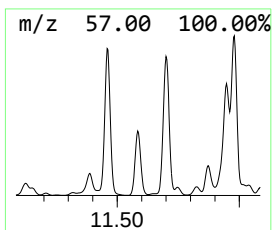
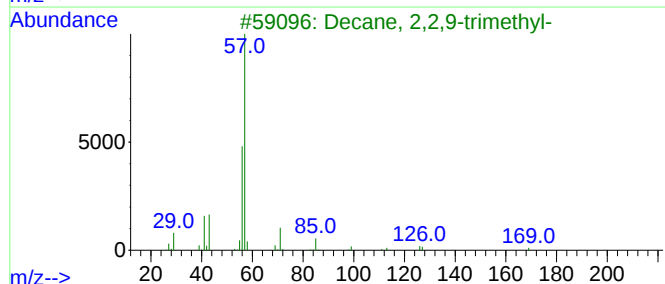
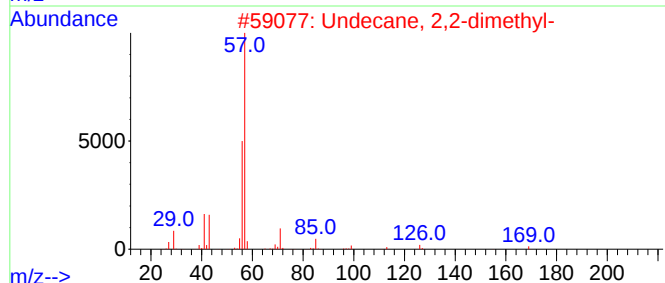
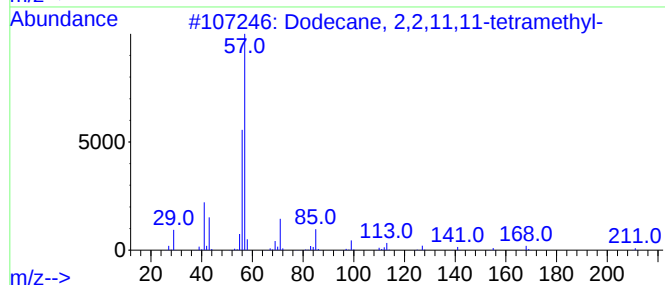
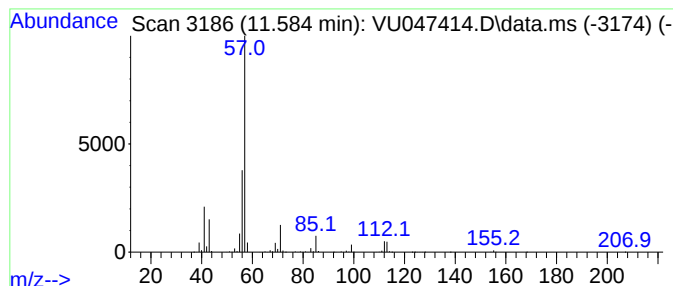
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.584	9.44 ug/L	2579410	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	78
2			Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72
3			Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
4			Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72
5			Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

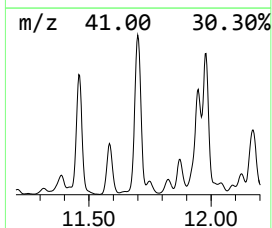
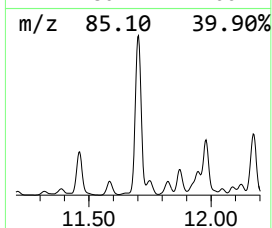
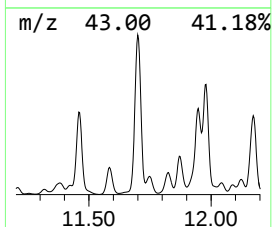
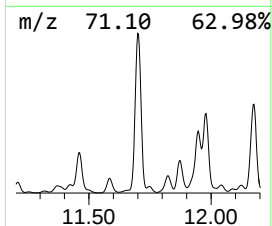
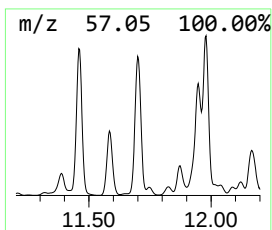
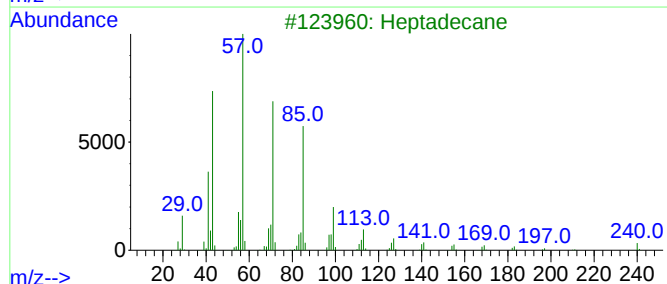
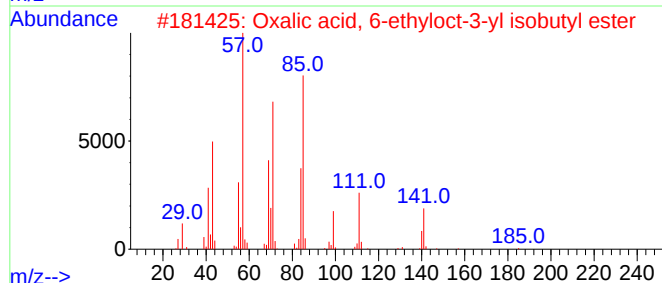
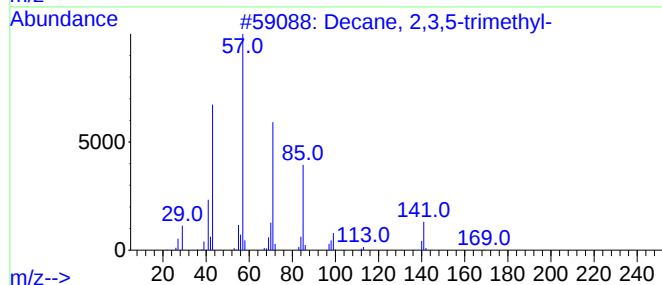
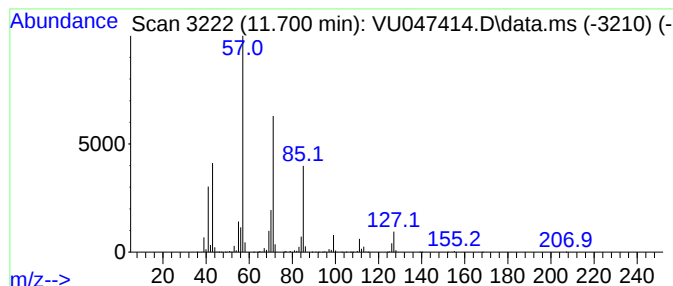
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.700	34.63 ug/L	9463280	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
2			Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	72
3			Heptadecane	240	C17H36	000629-78-7	64
4			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
5			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

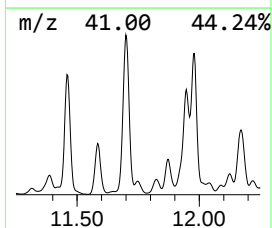
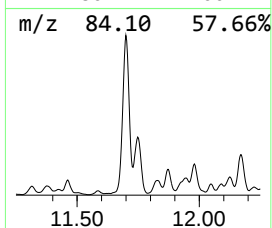
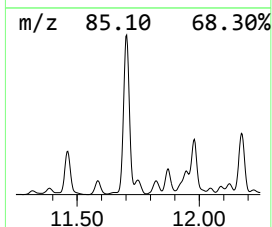
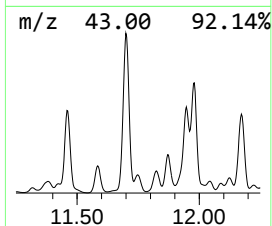
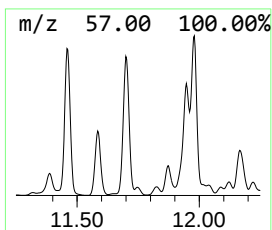
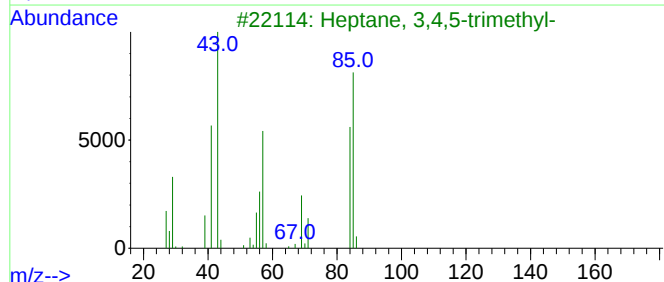
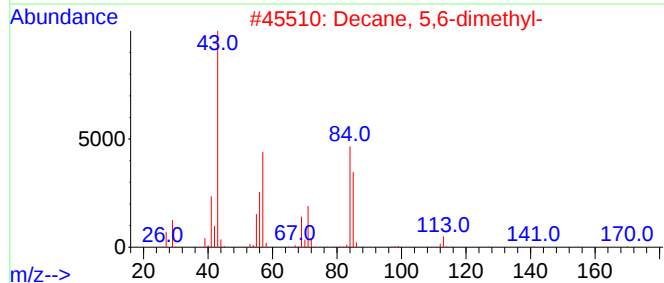
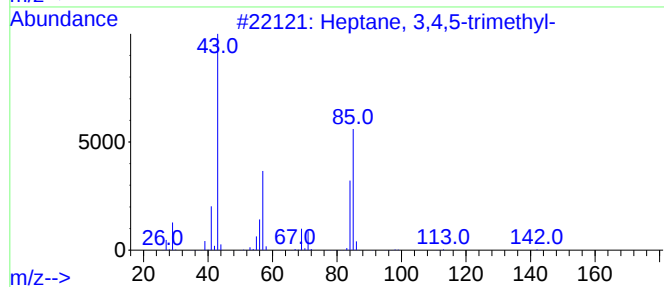
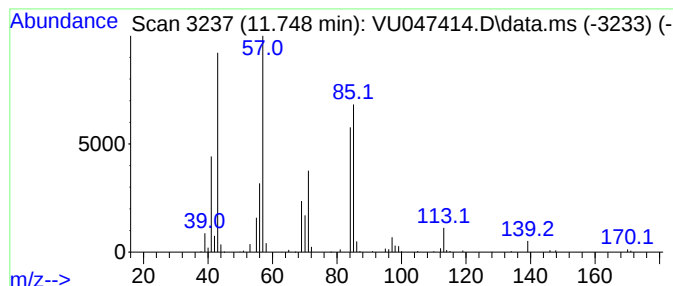
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.748	2.22 ug/L	605302	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	80
2			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

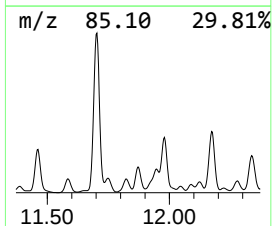
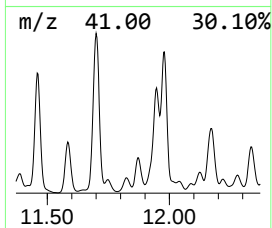
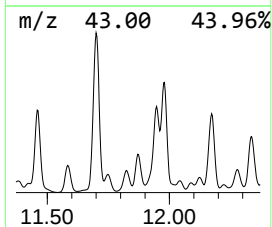
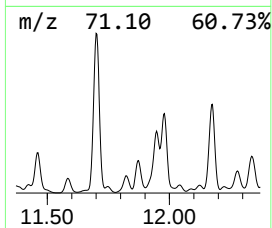
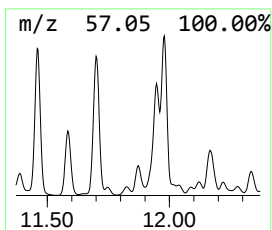
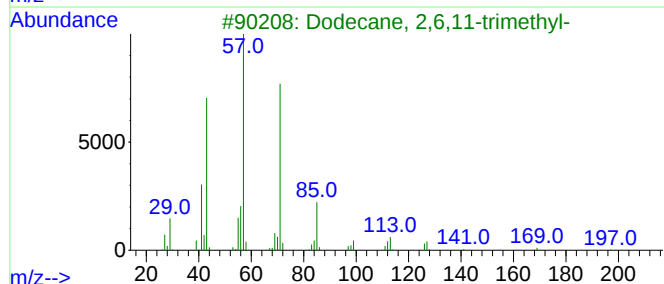
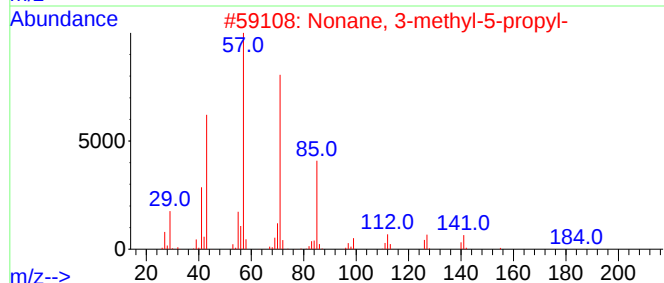
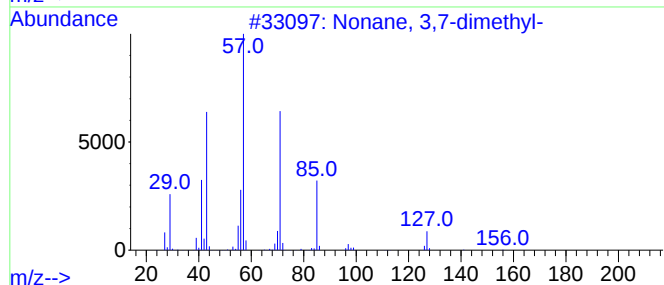
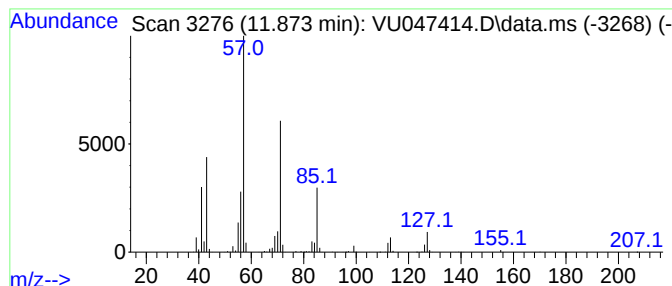
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	5.52 ug/L	1508150	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			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

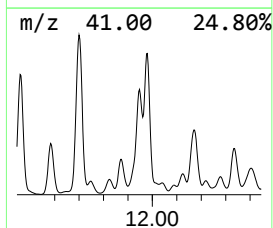
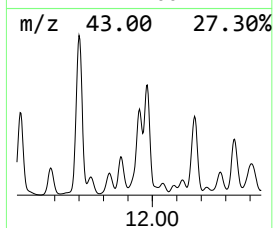
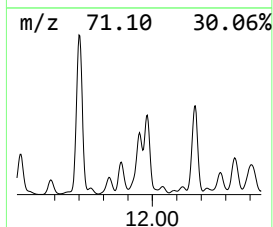
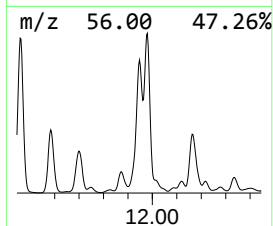
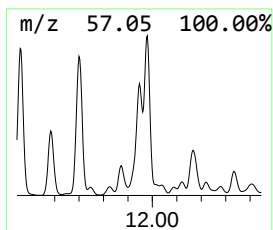
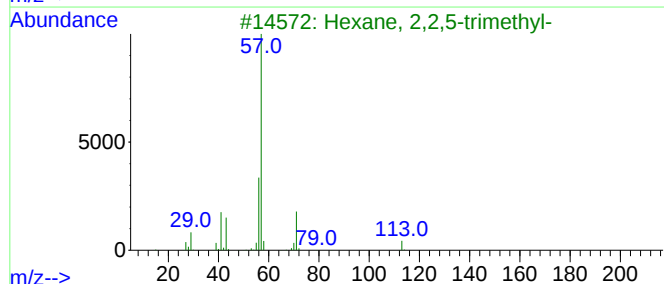
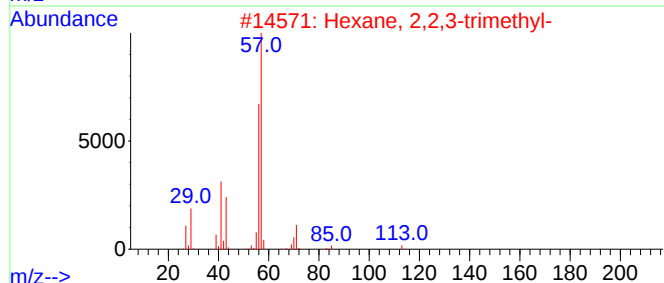
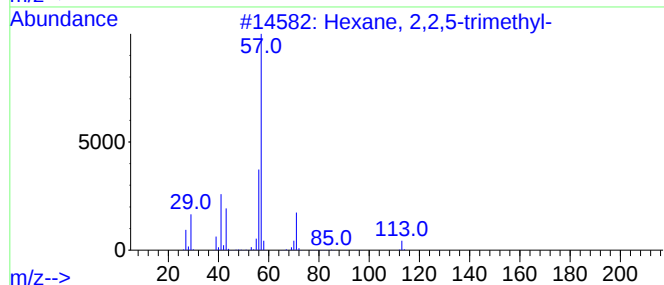
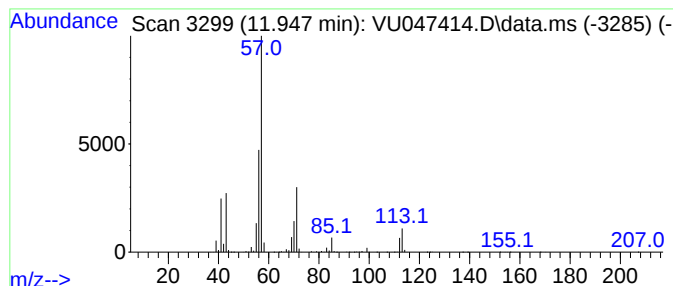
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.947	20.24 ug/L	5529970	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

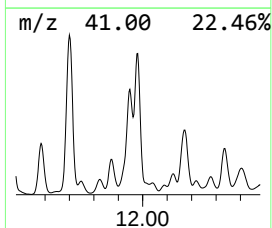
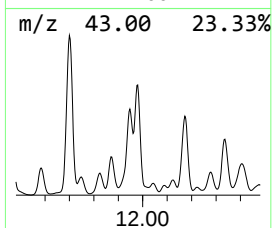
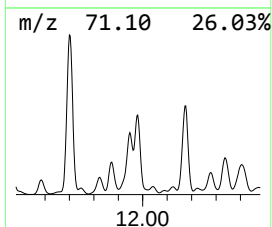
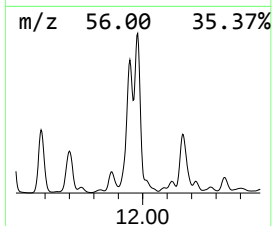
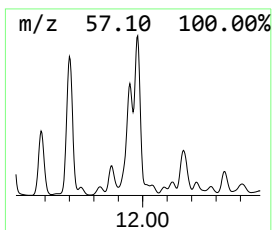
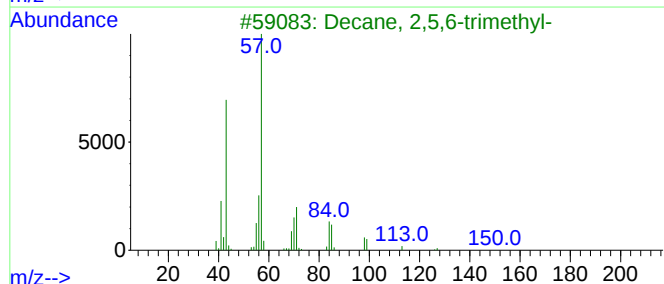
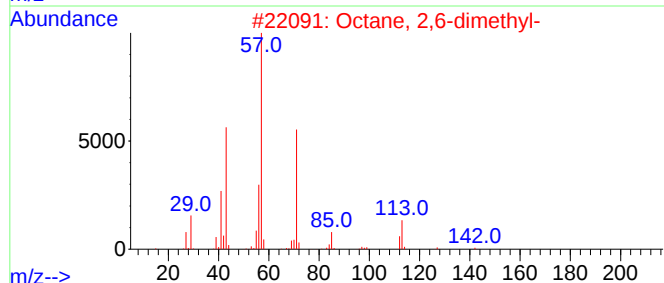
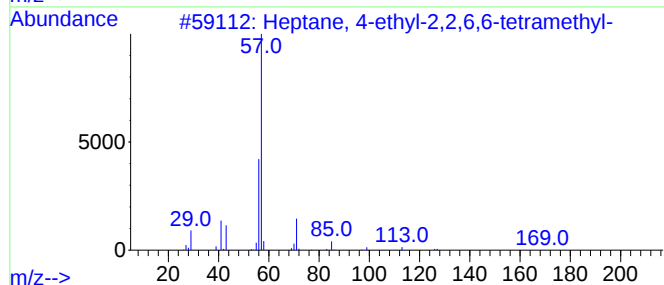
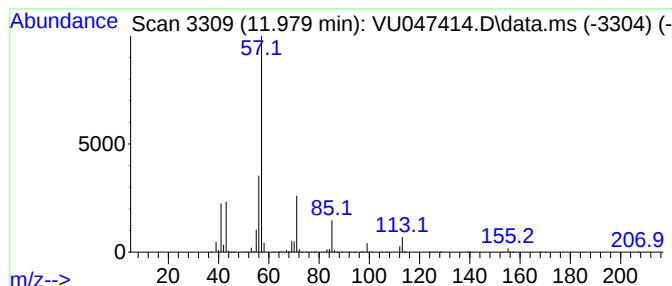
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	22.70 ug/L	6203890	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	72
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59
4			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
5			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

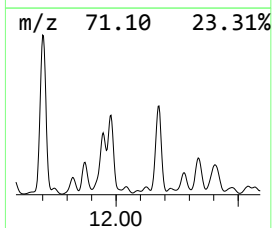
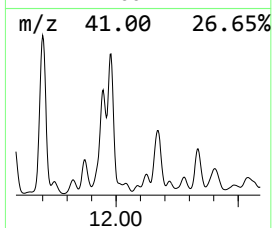
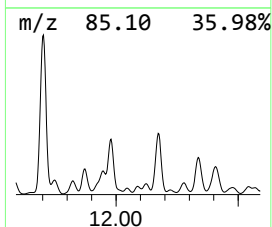
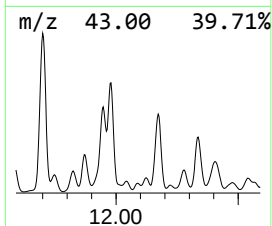
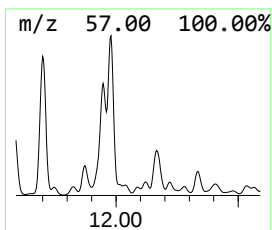
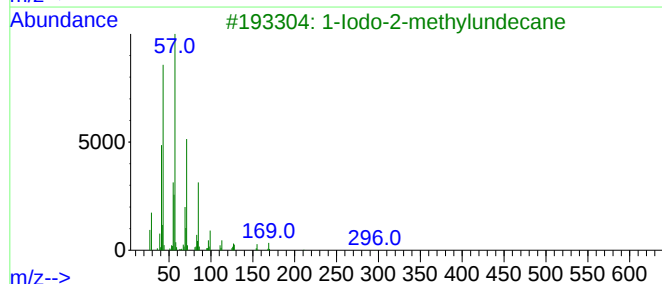
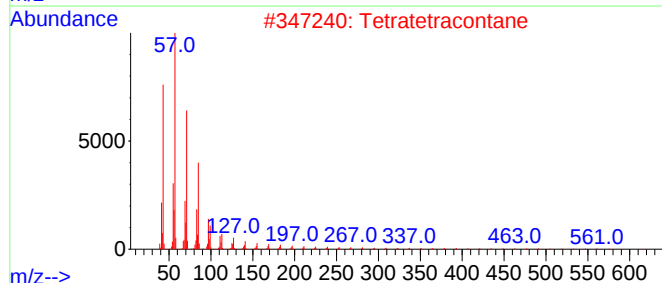
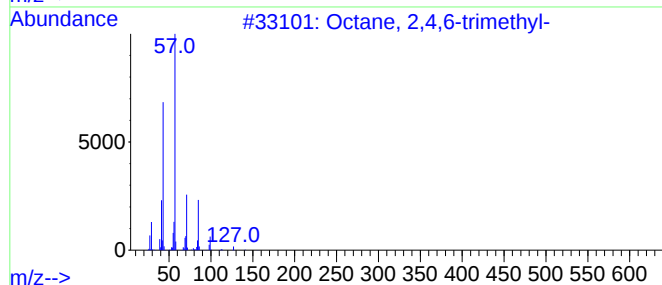
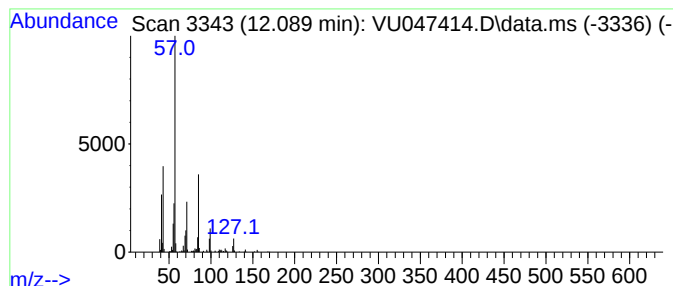
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.089	0.98 ug/L	268370	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	78
2		Tetratetracontane	619	C44H90	007098-22-8	64
3		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
4		Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	53
5		Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

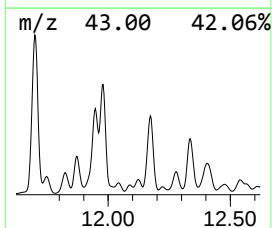
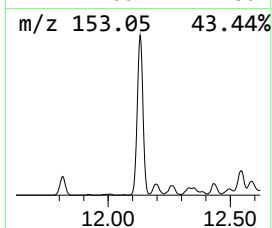
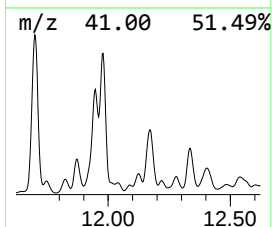
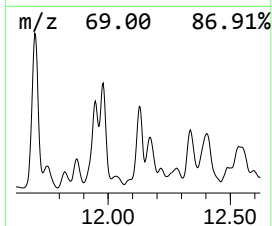
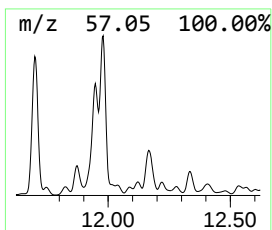
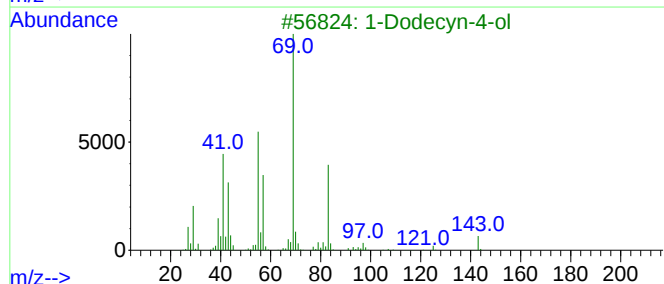
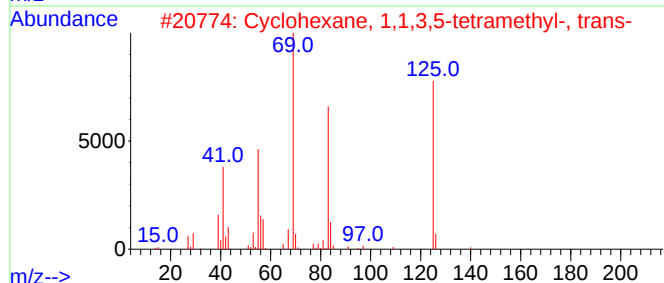
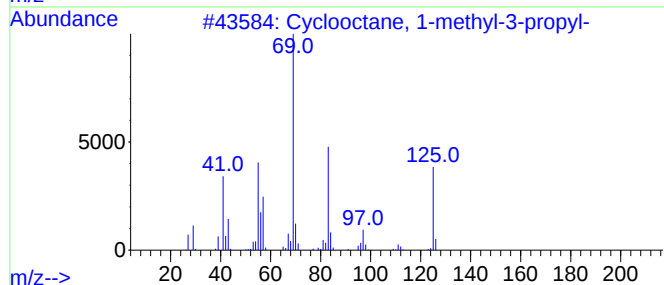
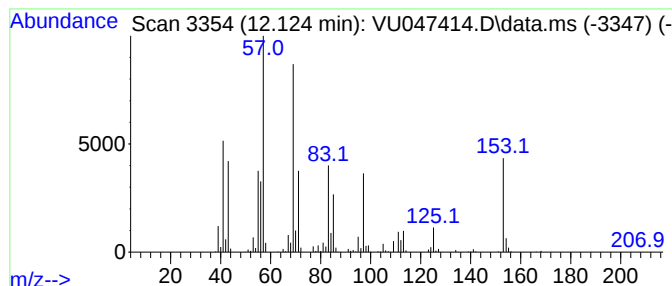
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 15 (DEL) Alkane: Cyclic12.124 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.124	2.77 ug/L	757260	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	35
3			1-Dodecyn-4-ol	182	C12H22O	074646-36-9	35
4			1,2,2-Trimethylpropyl trifluoroa...	198	C8H13F3O2	116465-21-5	35
5			1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

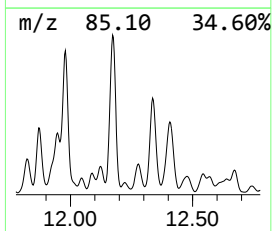
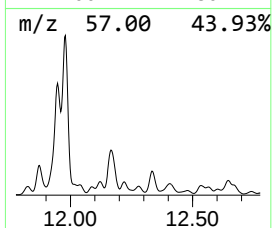
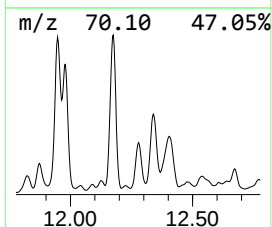
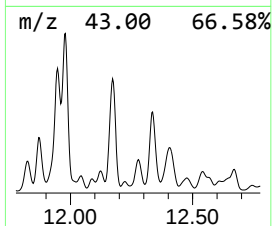
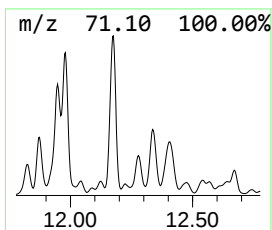
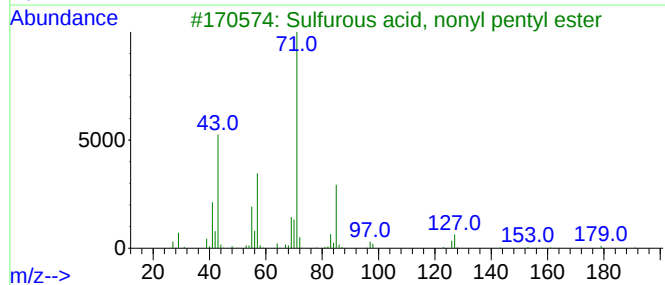
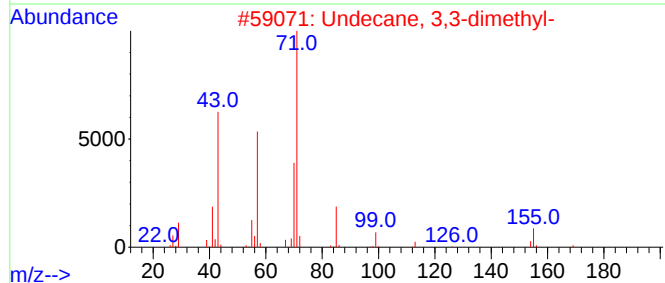
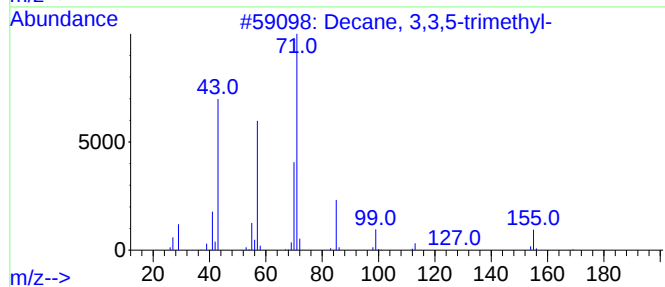
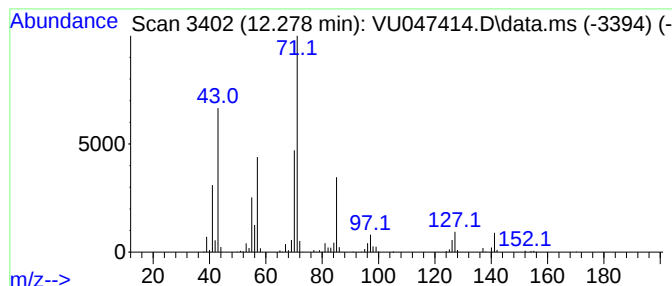
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.278	2.42 ug/L	662452	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	64
2			Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	59
3			Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	59
4			Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	53
5			Carbonic acid, 2-methylbutyl neo...	202	C11H22O3	1010331-42-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
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Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

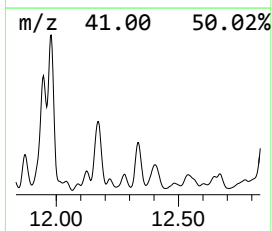
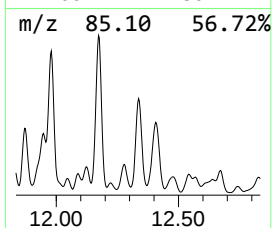
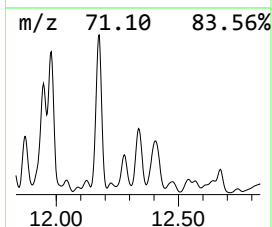
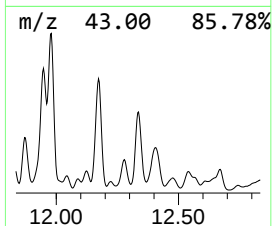
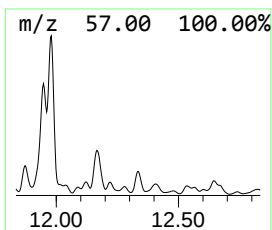
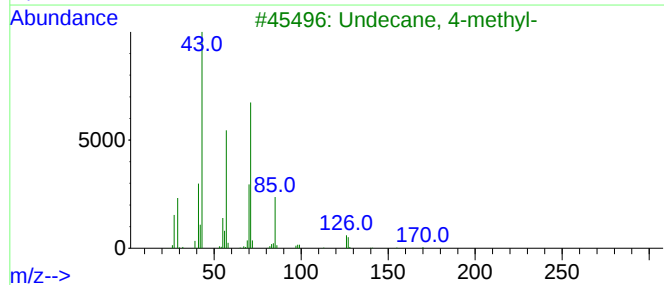
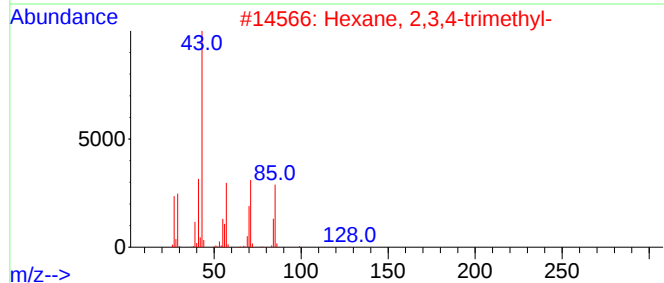
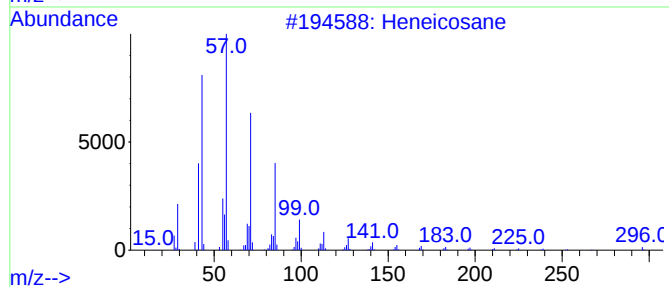
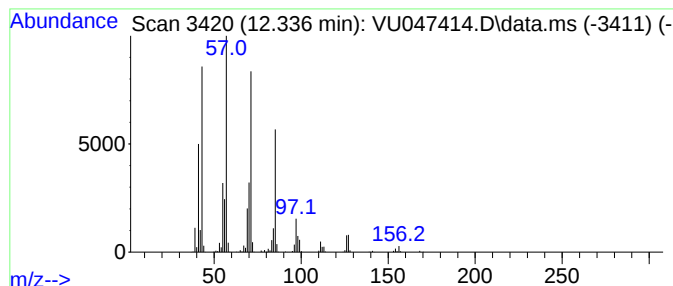
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	8.26 ug/L	2257170	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	78
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
3			Undecane, 4-methyl-	170	C12H26	002980-69-0	50
4			Octane	114	C8H18	000111-65-9	50
5			Decane, 4-methyl-	156	C11H24	002847-72-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

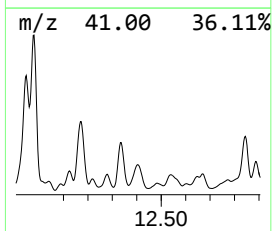
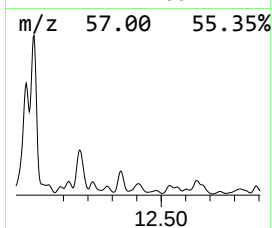
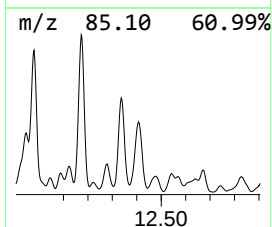
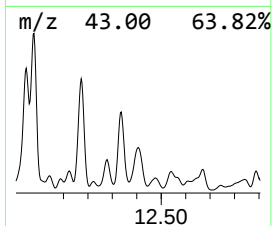
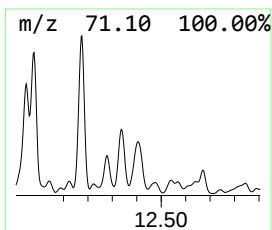
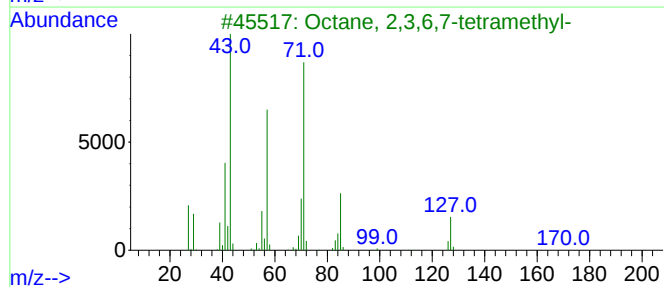
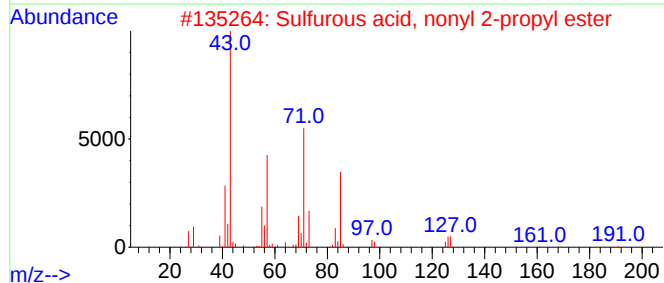
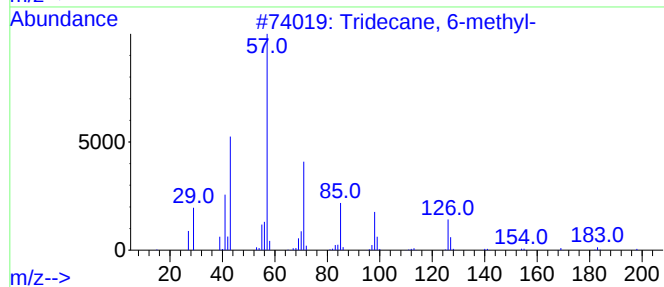
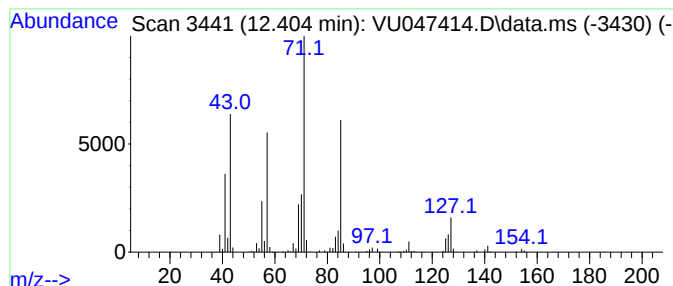
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	6.82 ug/L	1863340	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	78
2			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	64
3			Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	64
4			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
5			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

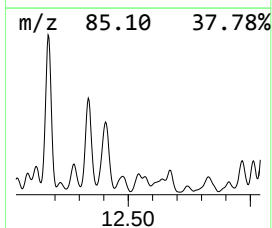
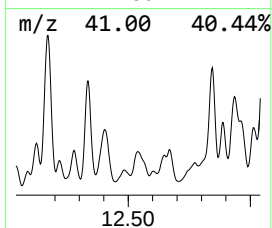
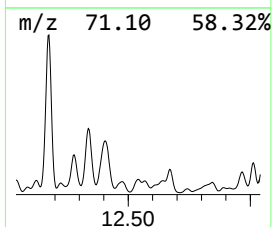
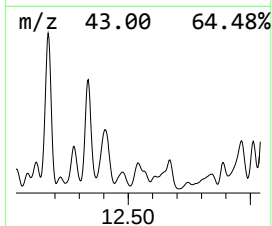
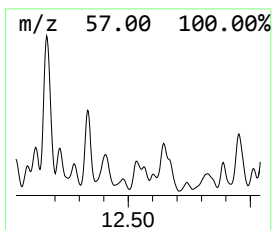
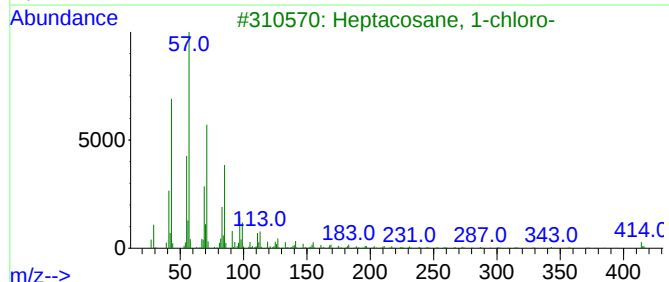
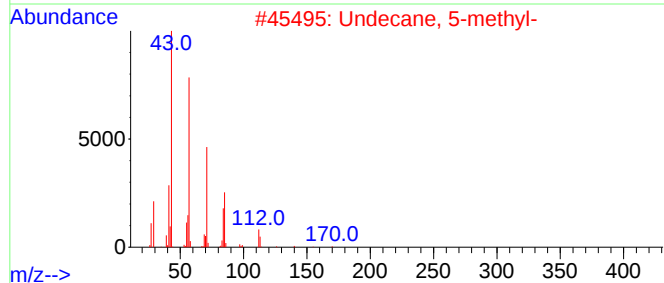
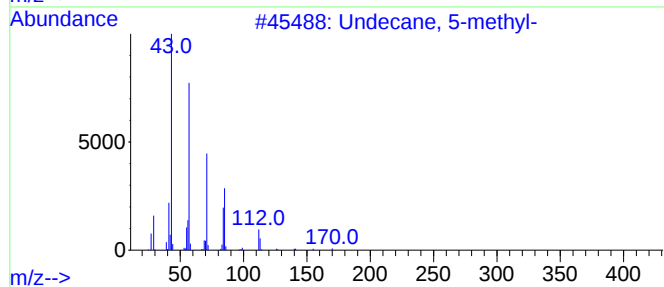
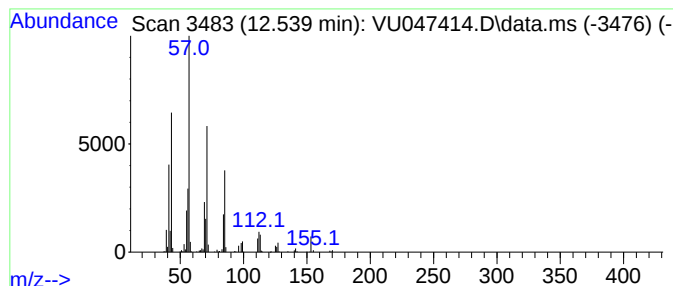
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	3.12 ug/L	852733	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-methyl-	170	C12H26	001632-70-8	64
2			Undecane, 5-methyl-	170	C12H26	001632-70-8	64
3			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	59
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
5			Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

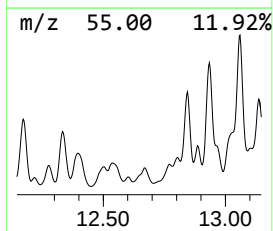
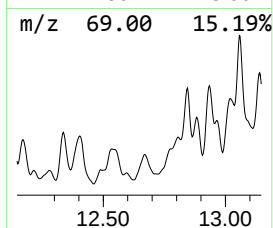
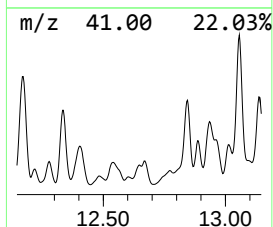
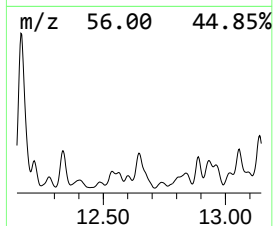
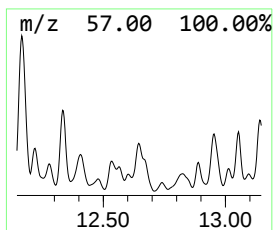
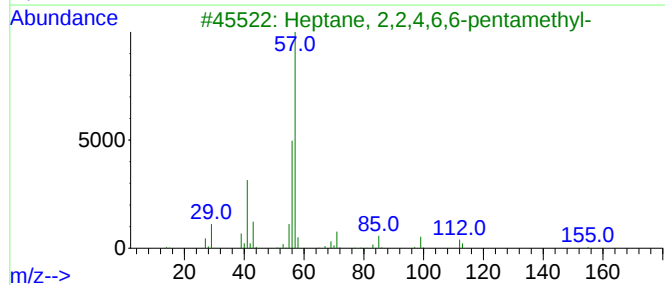
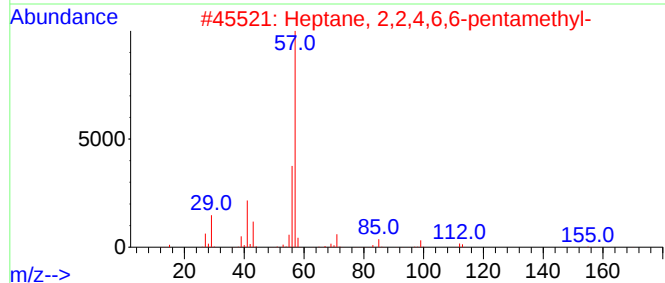
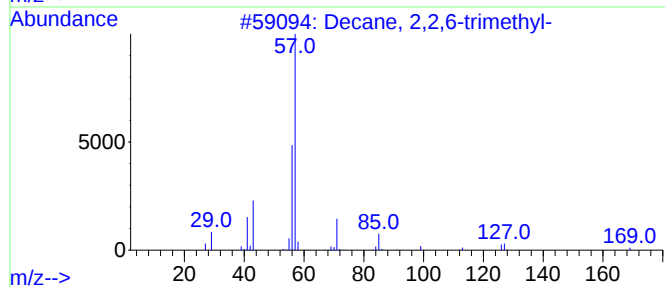
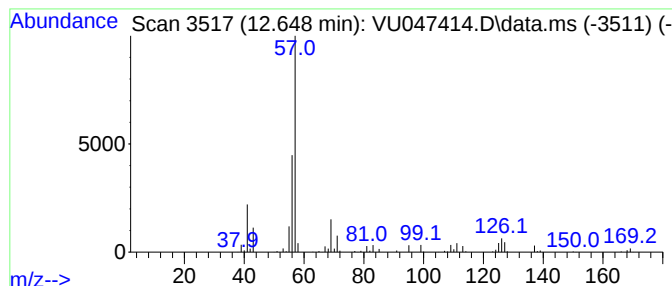
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.648	0.80 ug/L	219133	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	53
2			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
3			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
5			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

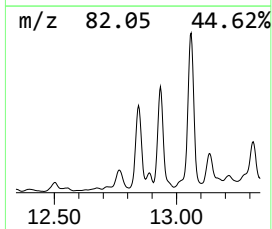
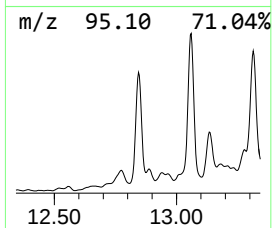
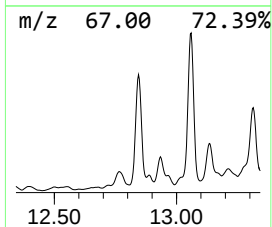
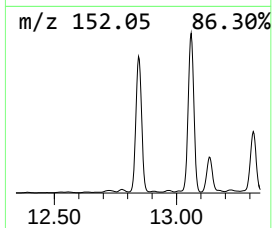
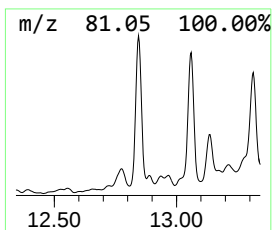
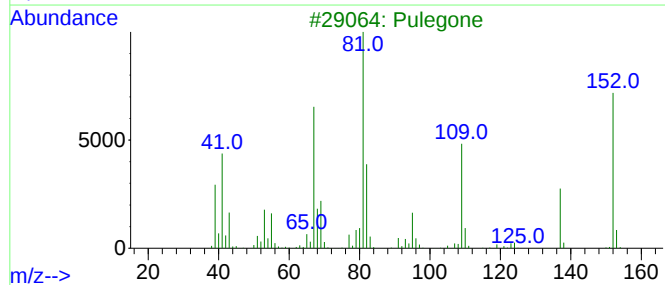
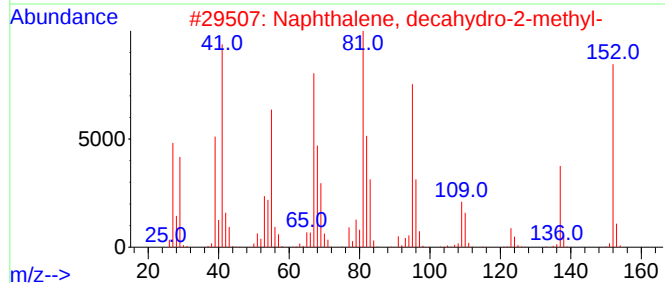
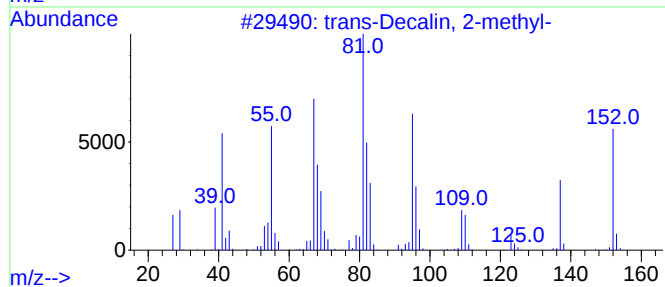
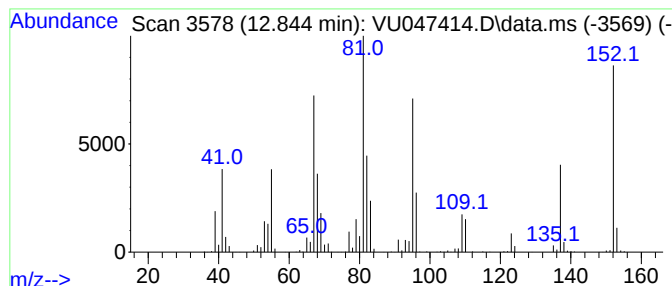
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 21 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.844	10.94 ug/L	2989050	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	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3			Pulegone	152	C10H16O	000089-82-7	83
4			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
5			Pulegone	152	C10H16O	000089-82-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

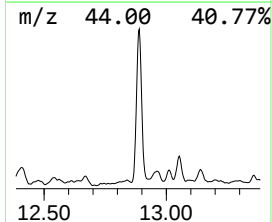
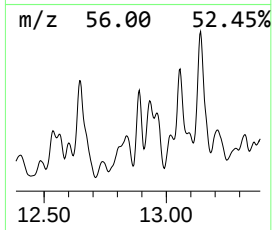
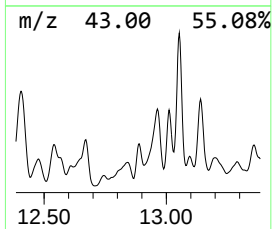
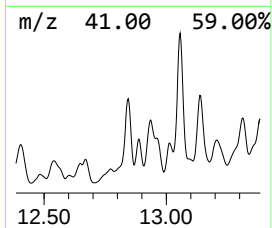
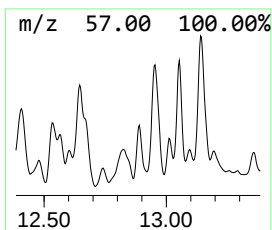
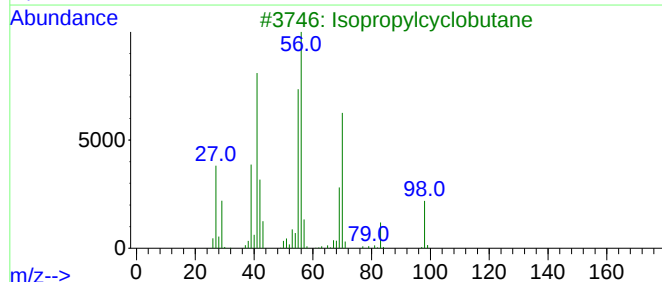
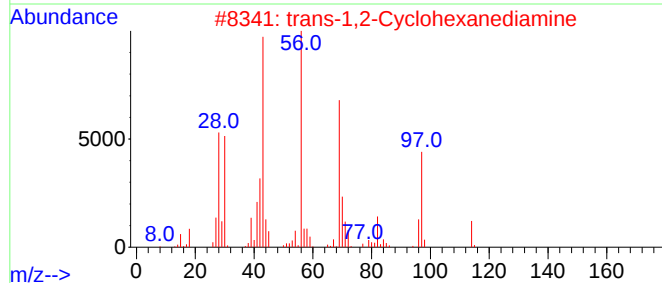
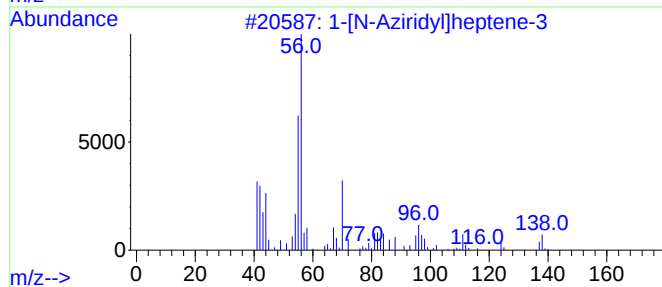
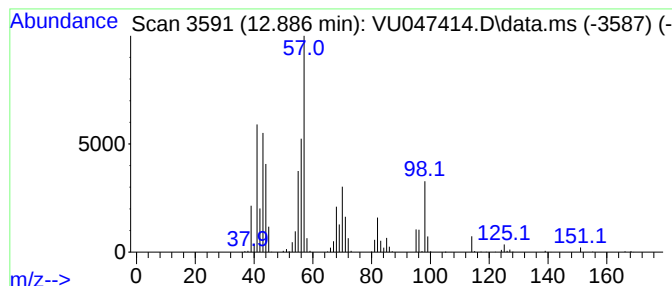
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 22 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	1.67 ug/L	457447	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-[N-Aziridyl]heptene-3	139	C9H17N	1000255-07-6	38
2			trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	38
3			Isopropylcyclobutane	98	C7H14	000872-56-0	35
4			Cyclohexanol, 4-methyl-	114	C7H14O	000589-91-3	35
5			(1S,2S)-(+)-1,2-Diaminocyclohexane	114	C6H14N2	021436-03-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

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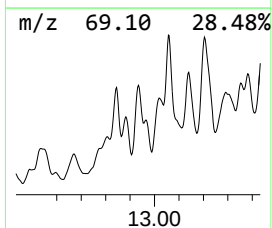
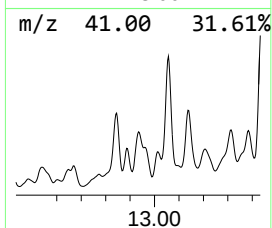
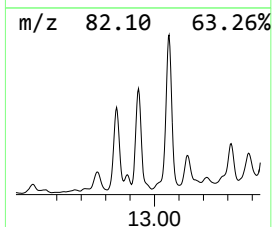
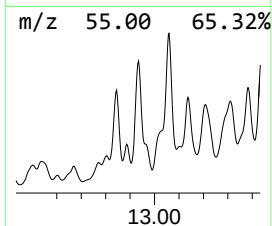
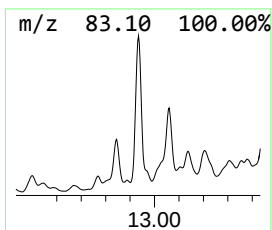
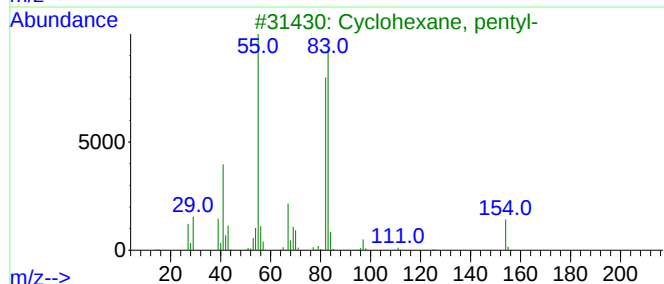
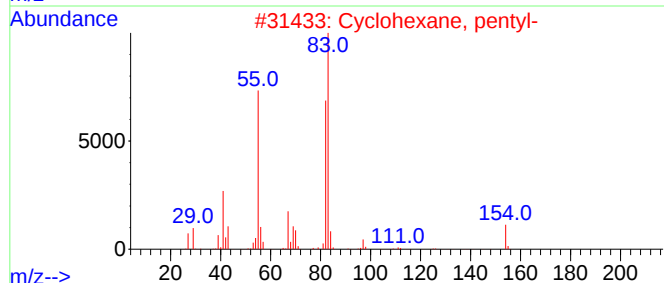
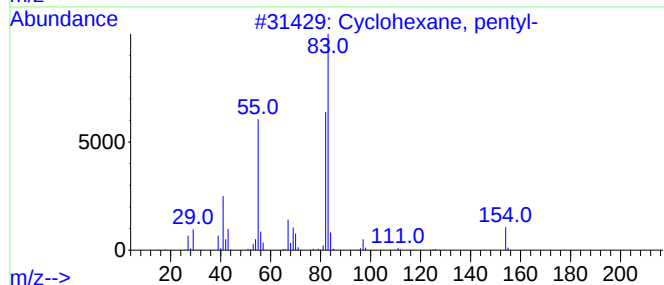
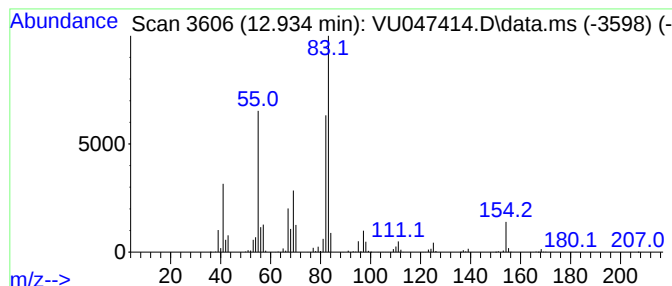
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 23 (DEL) Alkane: Cyclic12.934 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	6.60 ug/L	1802090	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	90
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	64
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

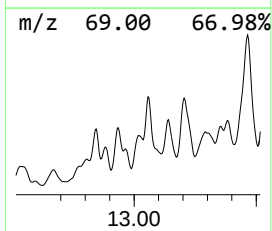
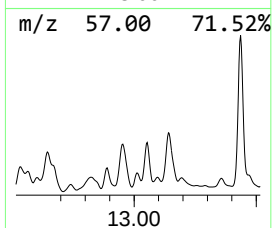
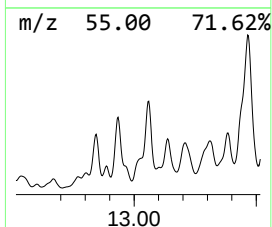
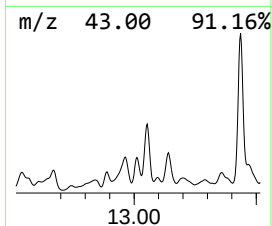
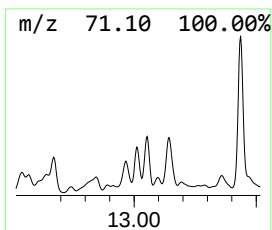
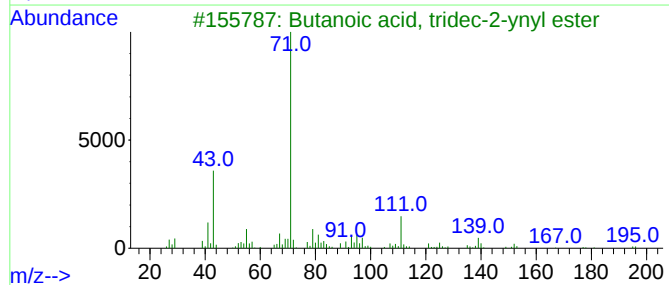
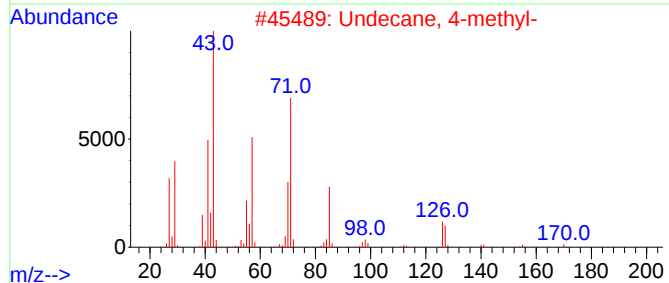
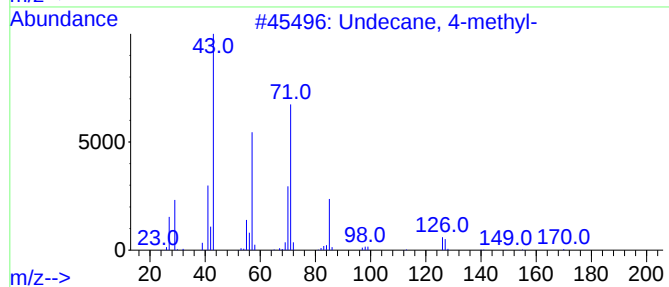
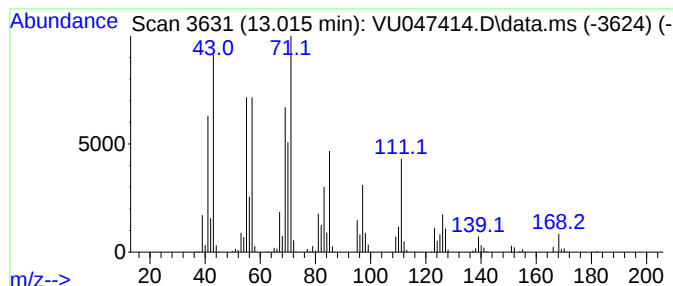
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ClientSampleId :
BFY23

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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 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.015	3.25 ug/L	888892	1,4-Dichlorobenzene-d4		11.812	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-		170	C12H26	002980-69-0	64
2	Undecane, 4-methyl-		170	C12H26	002980-69-0	53
3	Butanoic acid, tridec-2-ynyl ester		266	C17H30O2	1010299-12-6	43
4	Cyclohexane, 1,2,3-trimethyl-, (...)		126	C9H18	007667-55-2	35
5	Cyclohexane, 1,2,3-trimethyl-		126	C9H18	001678-97-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

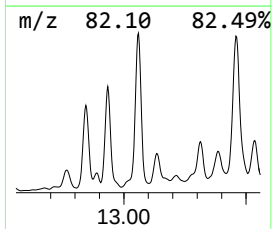
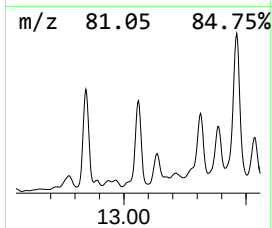
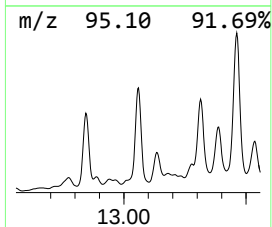
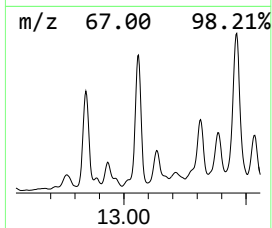
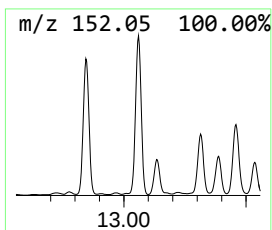
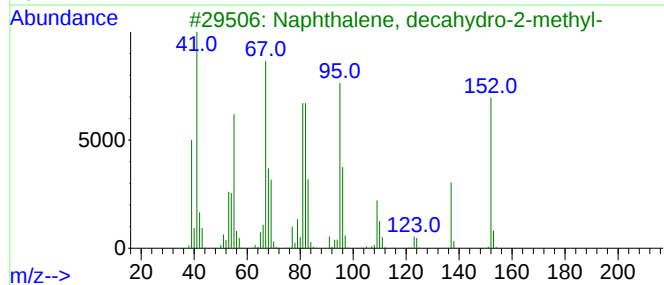
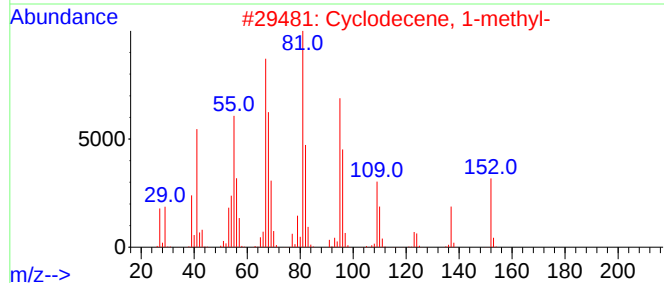
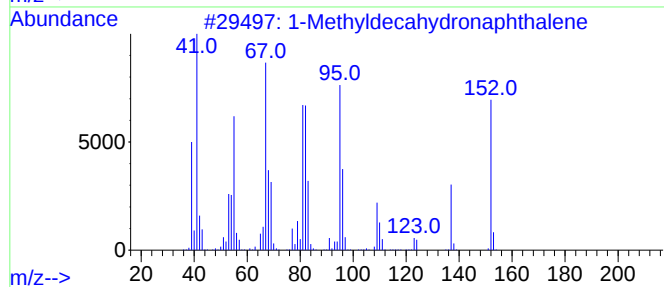
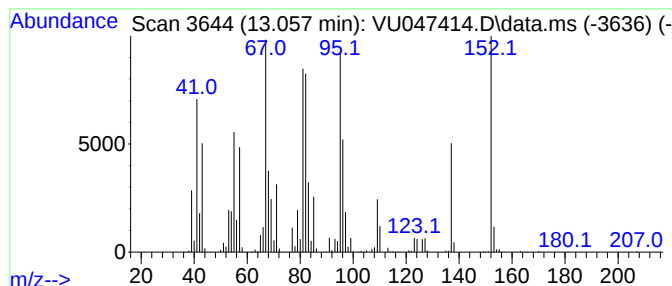
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ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 25 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.057	20.97 ug/L	5730150	1,4-Dichlorobenzene-d4	11.812	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	89
2	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	87
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

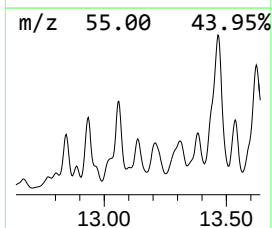
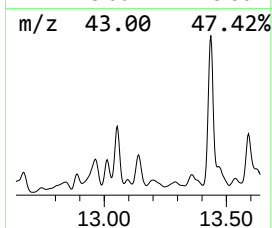
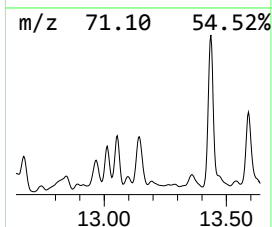
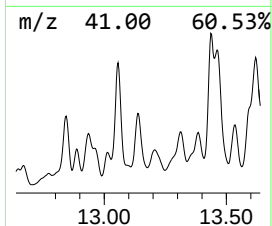
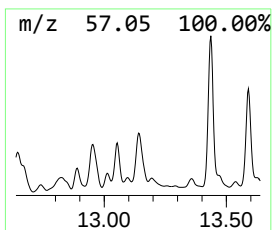
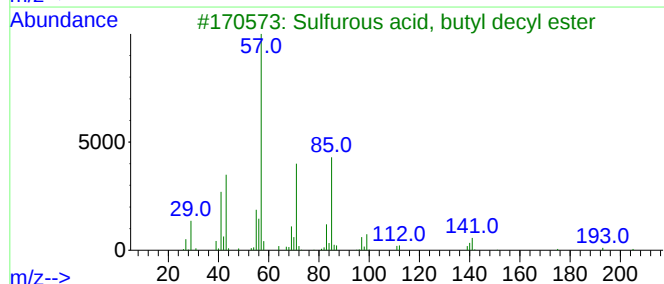
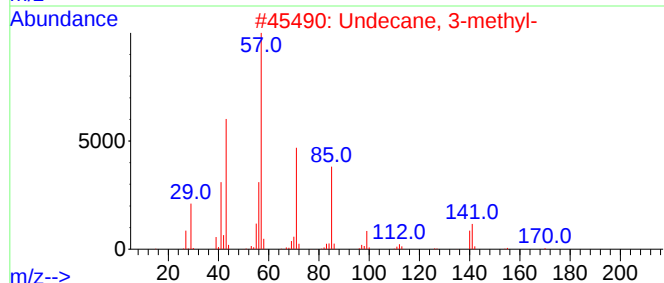
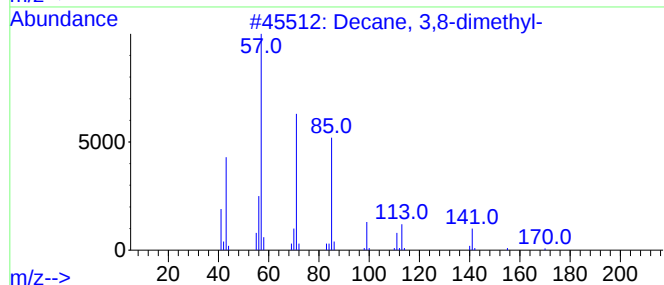
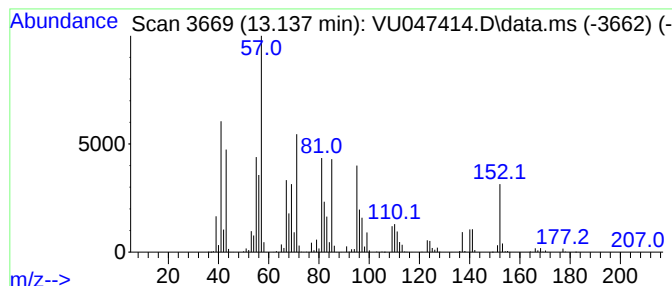
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.137	8.70 ug/L	2378550	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
2			Undecane, 3-methyl-	170	C12H26	001002-43-3	41
3			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	38
4			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	38
5			9-methylheptadecane	254	C18H38	026741-18-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

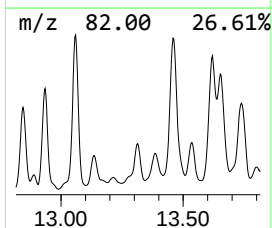
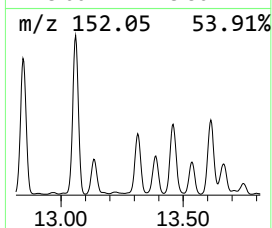
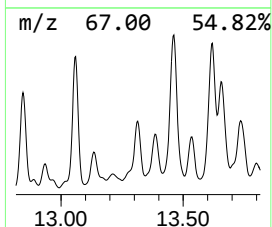
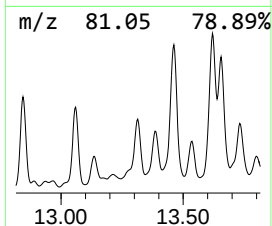
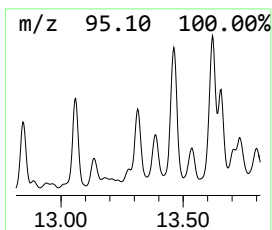
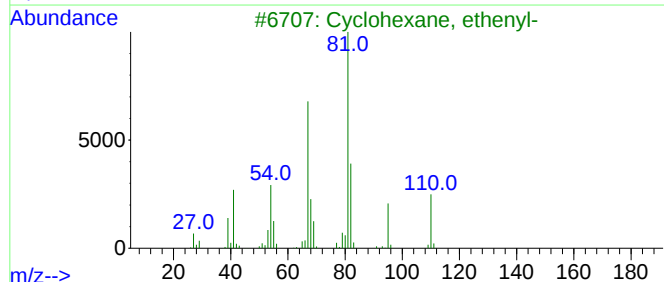
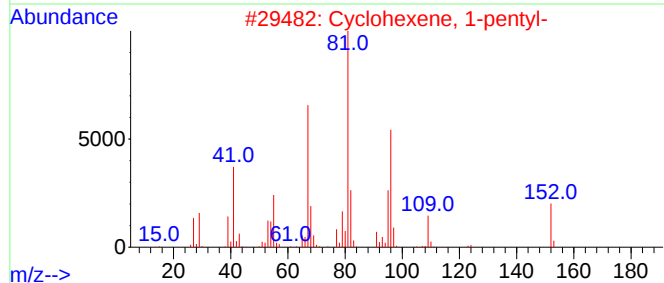
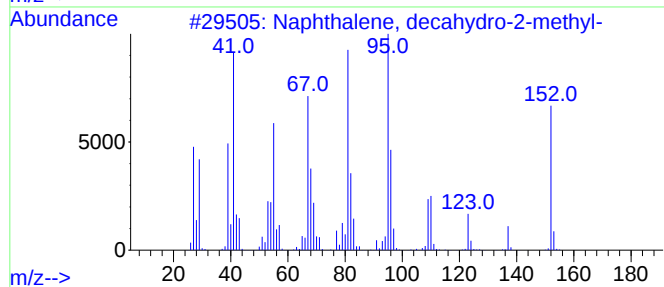
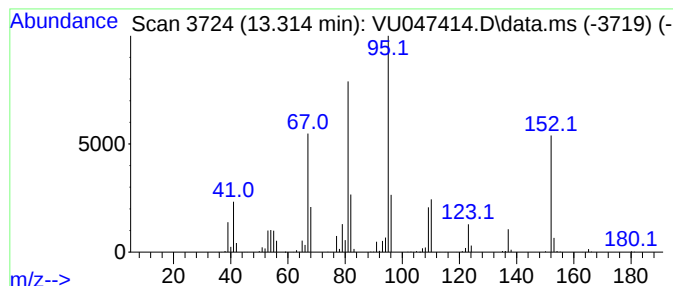
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 27 Naphthalene, decahydro-2-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.314	5.82 ug/L	1589530	1,4-Dichlorobenzene-d4	11.812

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	64
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	45
4		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	43
5		Methyl ethyl cyclopentene	110	C8H14	019780-56-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

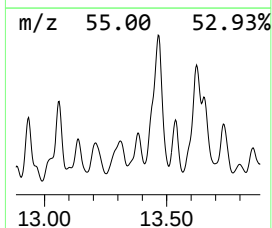
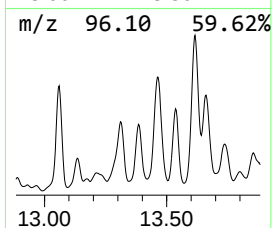
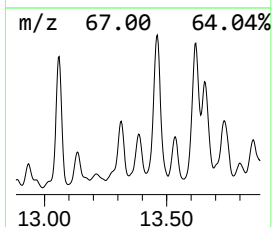
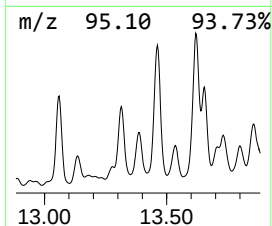
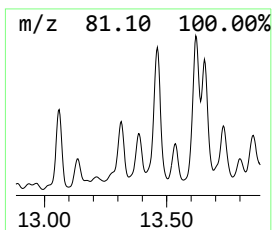
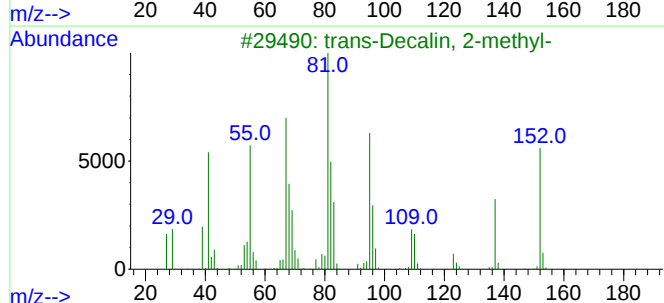
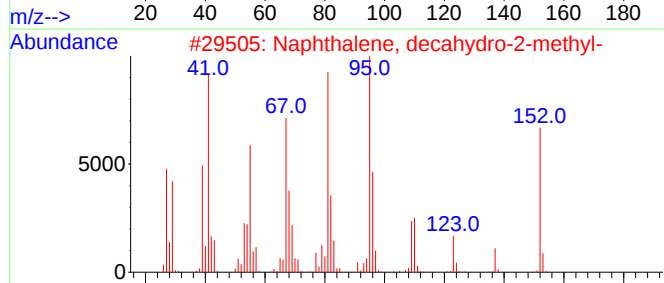
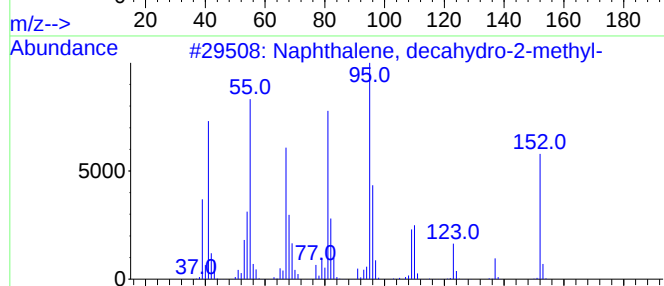
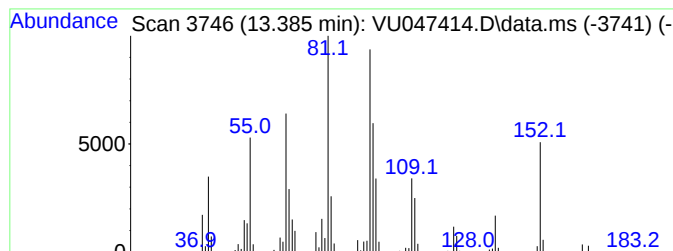
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 28 Karahanaenone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	4.85 ug/L	1323930	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
4			Karahanaenone	152	C10H16O	1010427-29-1	70
5			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

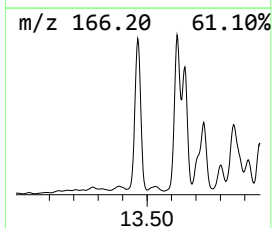
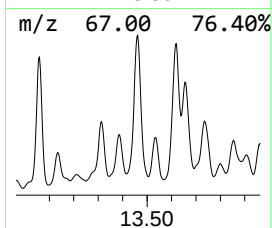
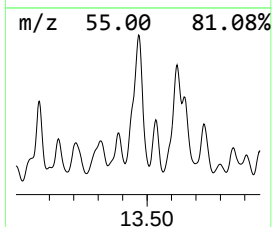
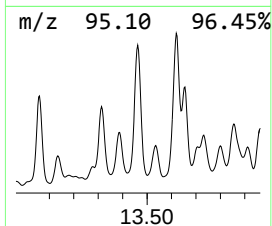
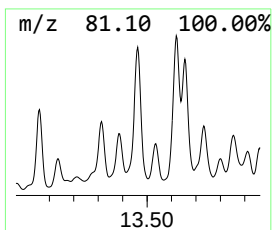
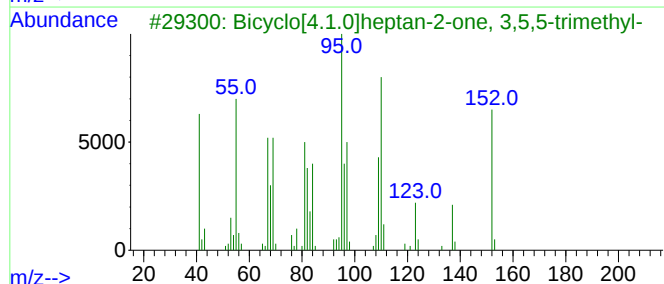
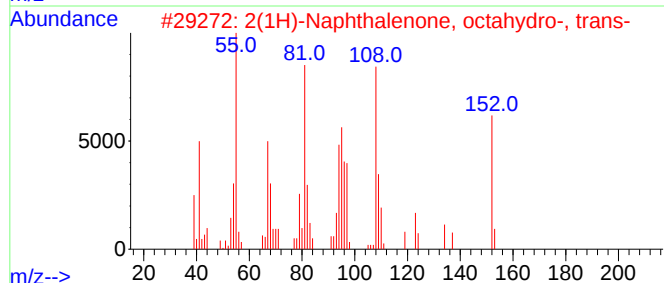
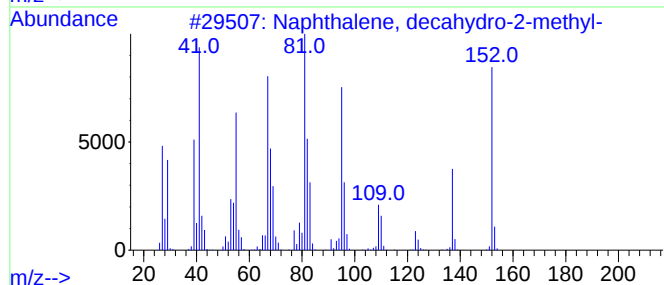
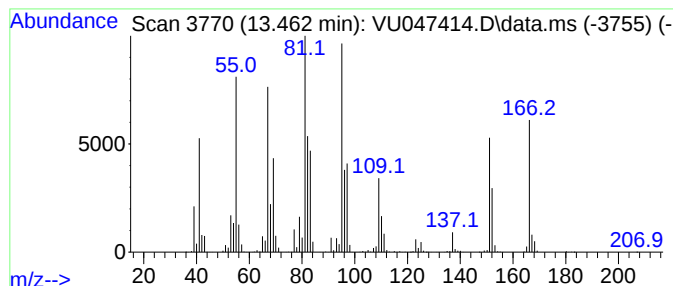
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 29 2(1H)-Naphthalenone, octahy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.462	40.56 ug/L	11082100	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
2			2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	58
3			Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	55
4			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	52
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

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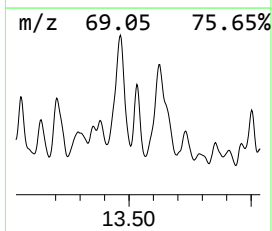
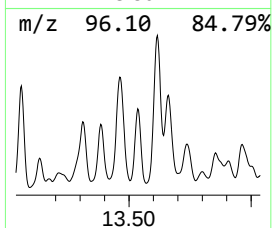
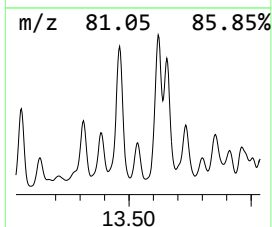
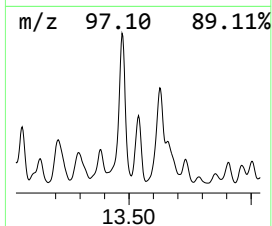
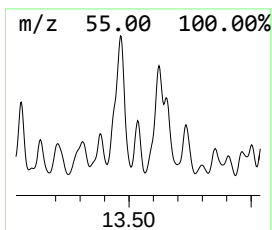
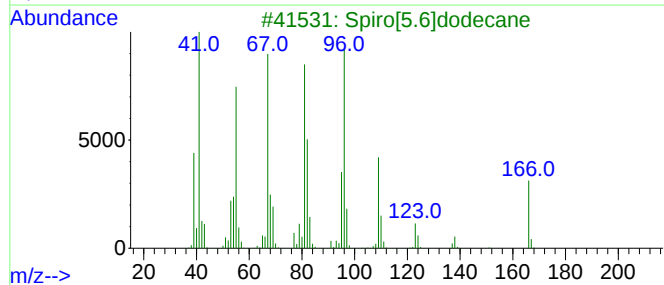
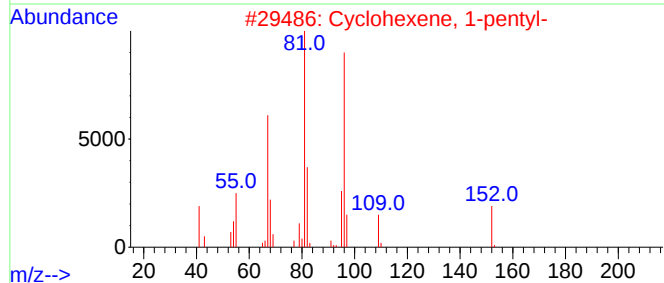
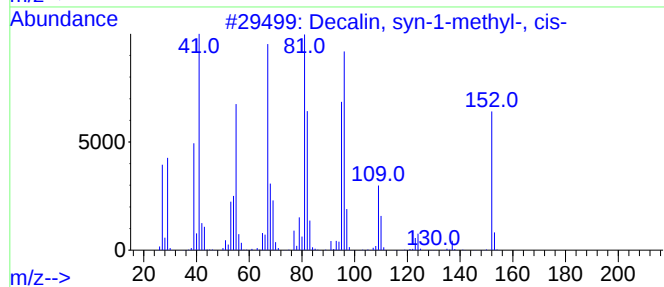
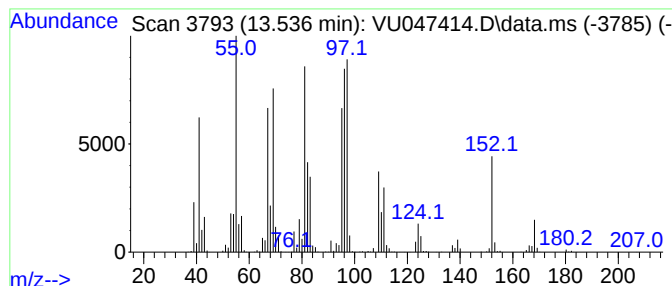
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 30 Decalin, syn-1-methyl-, cis- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.536	7.73 ug/L	2111480	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	64
2			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	60
3			Spiro[5.6]dodecane	166	C12H22	000181-15-7	55
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	53
5			Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

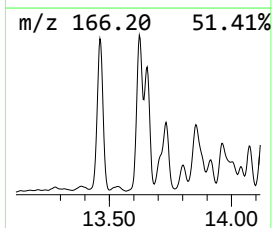
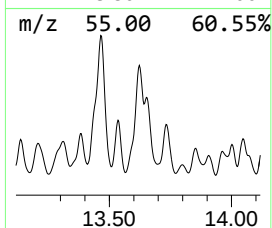
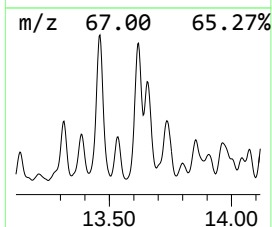
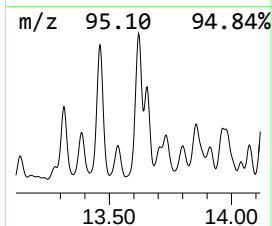
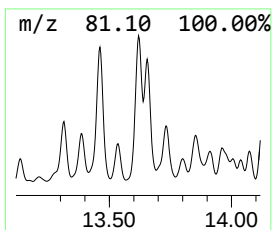
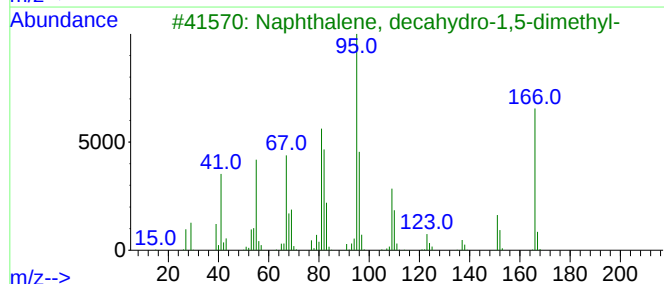
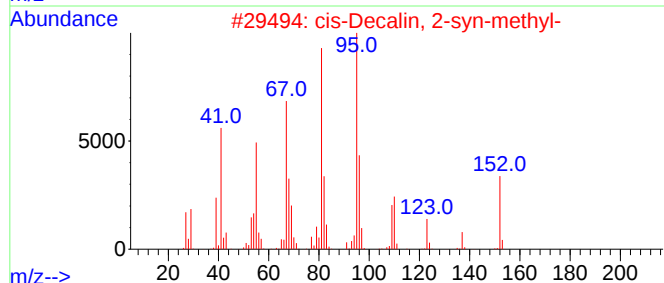
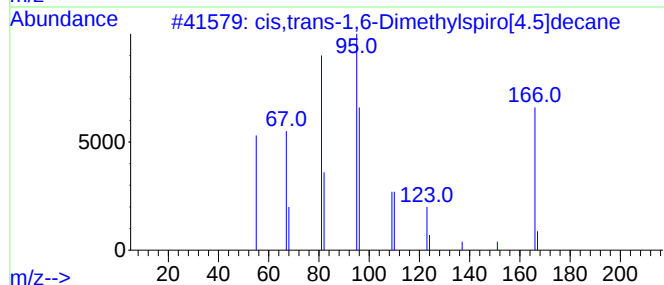
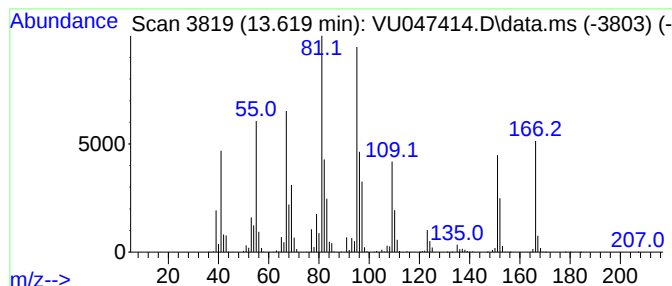
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 31 cis,trans-1,6-Dimethylspiro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.619	34.45 ug/L	9412360	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	70
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
3			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	60
4			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	53
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

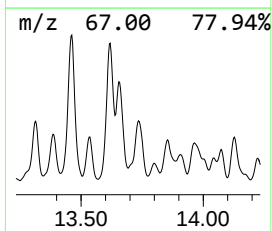
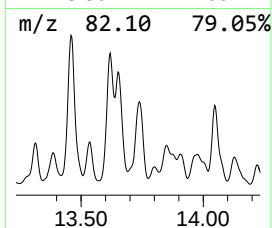
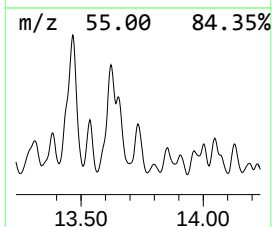
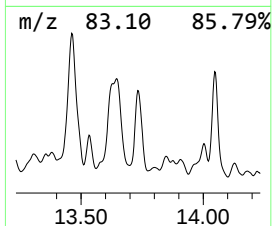
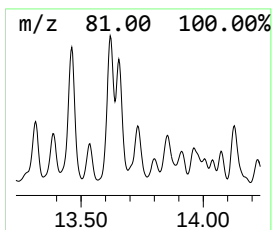
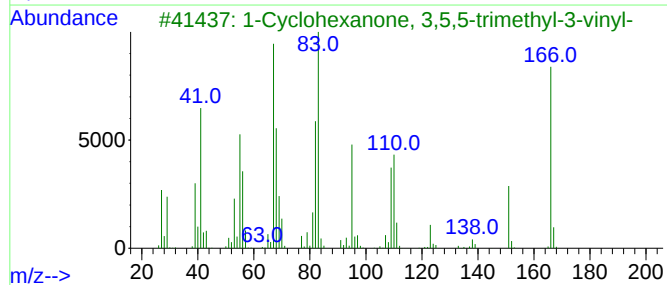
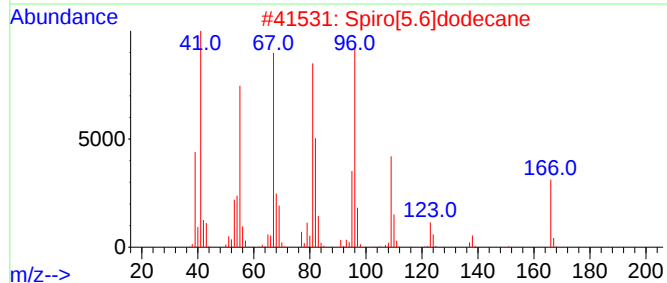
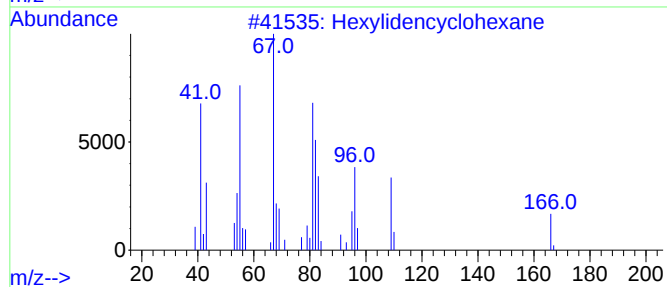
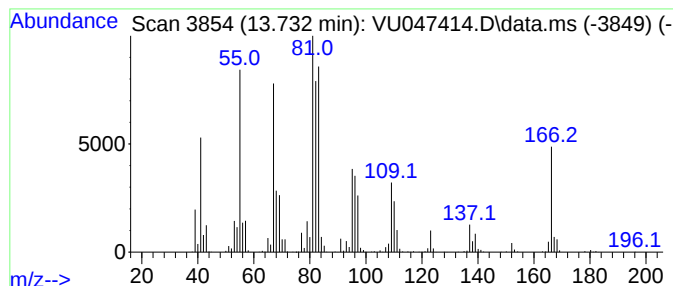
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 32 Hexylidencyclohexane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.732	9.32 ug/L	2547300	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexylidencyclohexane	166	C12H22	010201-62-4	58
2			Spiro[5.6]dodecane	166	C12H22	000181-15-7	46
3			1-Cyclohexanone, 3,5,5-trimethyl...	166	C11H18O	027749-07-1	46
4			Cyclohexane, ethenyl-	110	C8H14	000695-12-5	38
5			Cyclohexane, ethenyl-	110	C8H14	000695-12-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

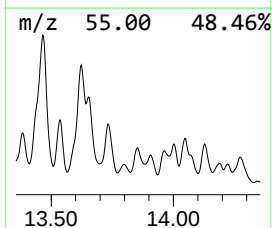
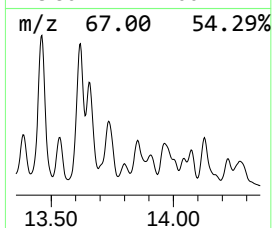
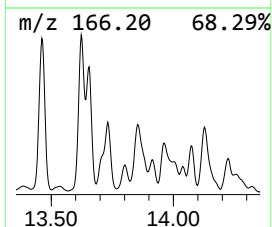
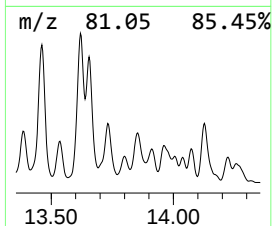
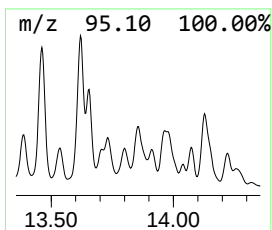
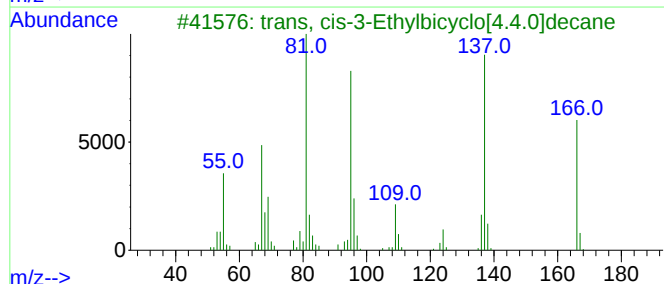
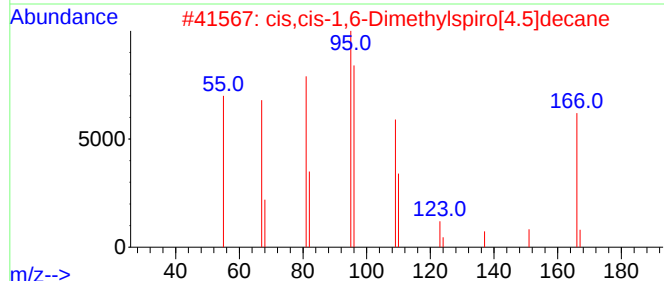
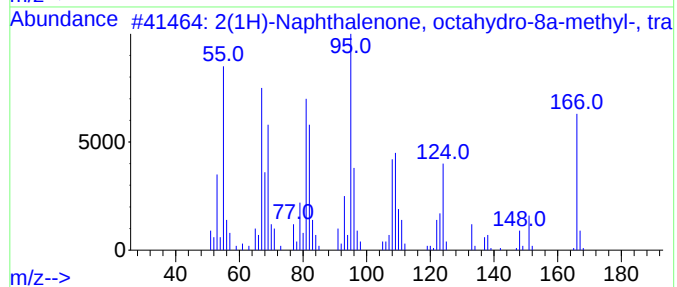
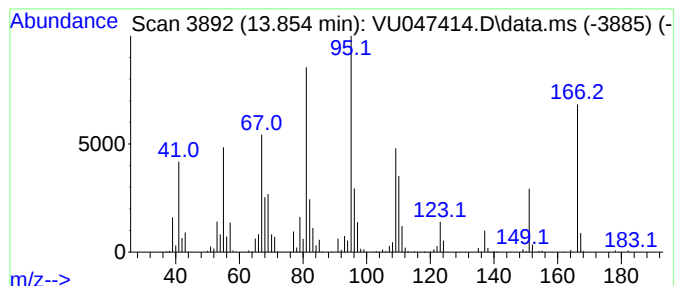
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 33 2(1H)-Naphthalenone, octahy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.854	6.43 ug/L	1757340	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	70
2			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	70
3			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	68
4			trans,trans-1,8-Dimethylspiro[4...	166	C12H22	1000111-72-8	68
5			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

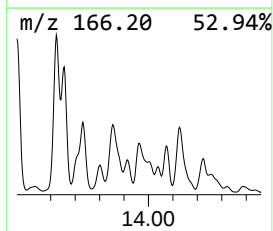
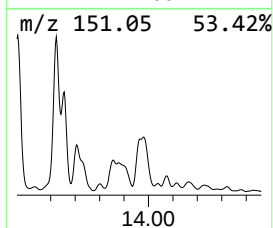
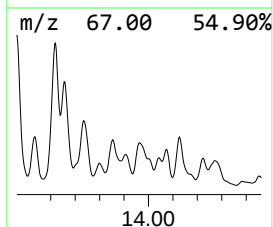
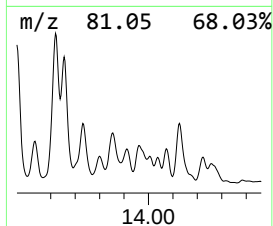
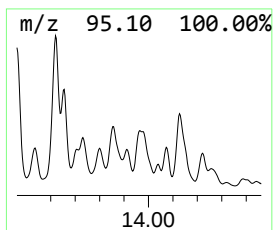
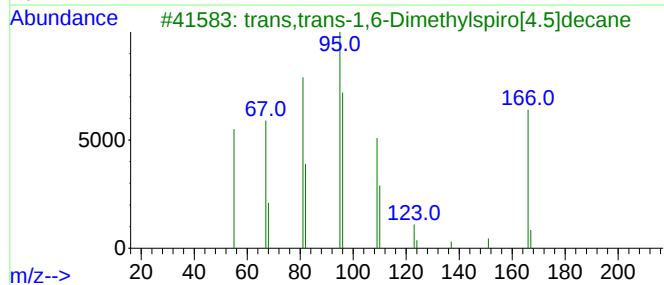
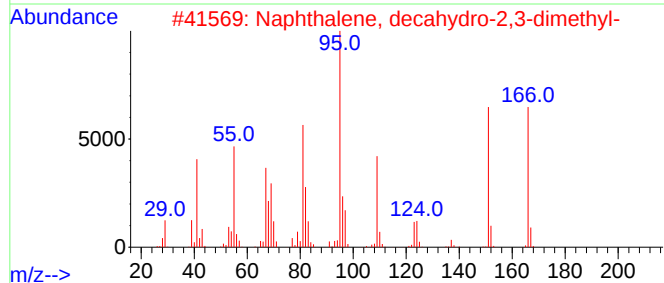
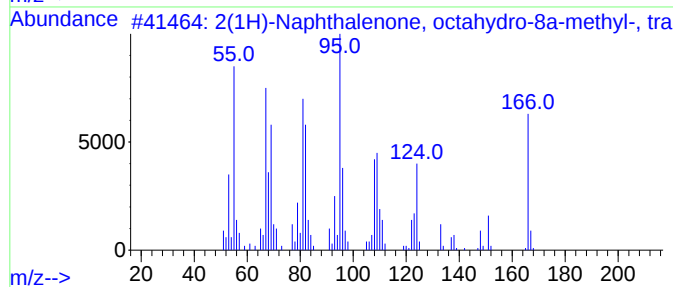
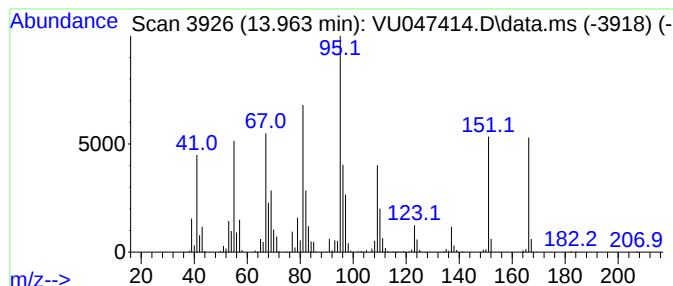
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 34 Naphthalene, decahydro-2,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.963	8.20 ug/L	2241240	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	72		
2	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	64		
3	trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	60		
4	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	60		
5	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	55		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

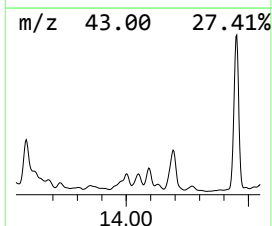
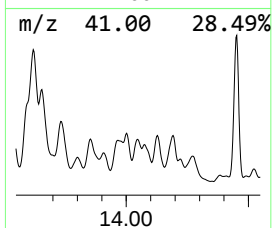
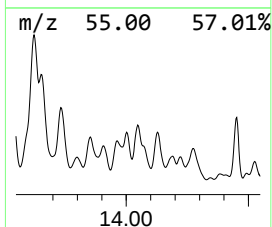
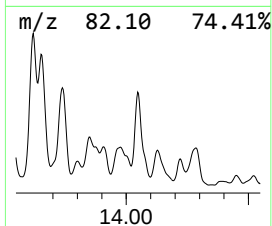
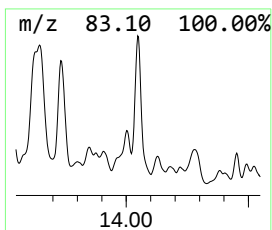
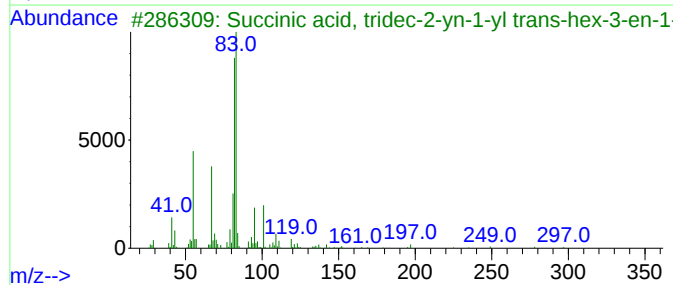
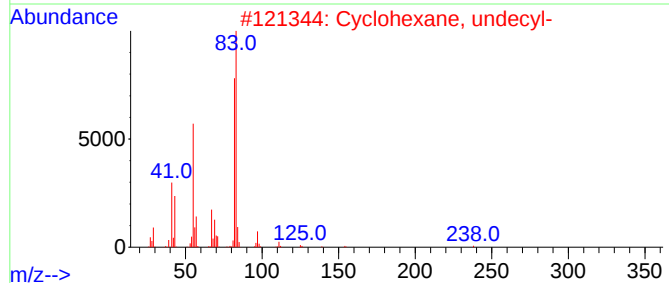
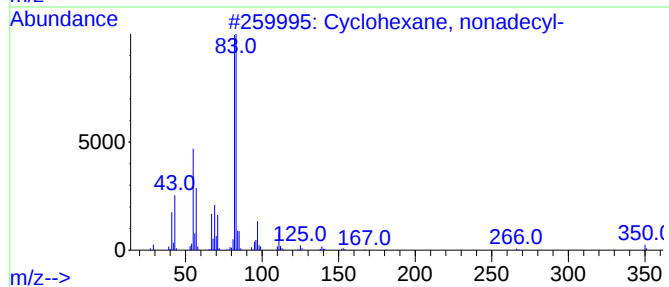
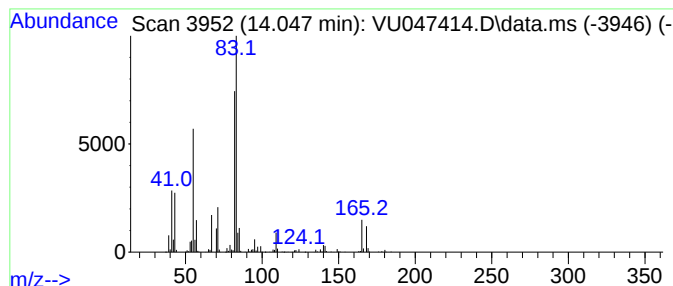
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 35 (DEL) Alkane: Cyclic14.047 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.047	2.63 ug/L	717622	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	64
2			Cyclohexane, undecyl-	238	C17H34	054105-66-7	59
3			Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	53
4			Heptylcyclohexane	182	C13H26	005617-41-4	53
5			Cyclohexane, 1,1'-(1,4-butanediyl...	222	C16H30	006165-44-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

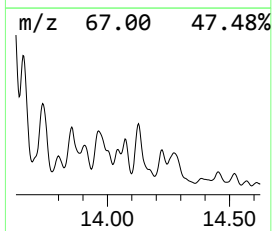
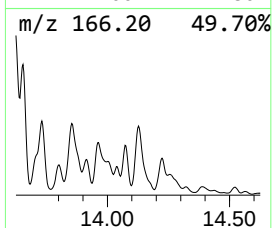
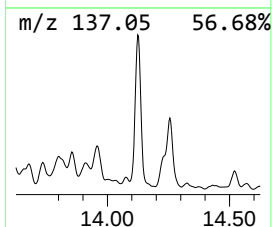
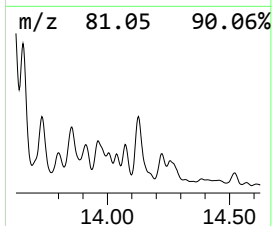
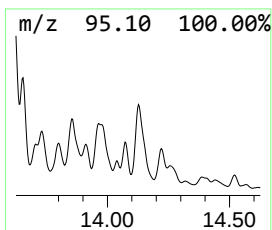
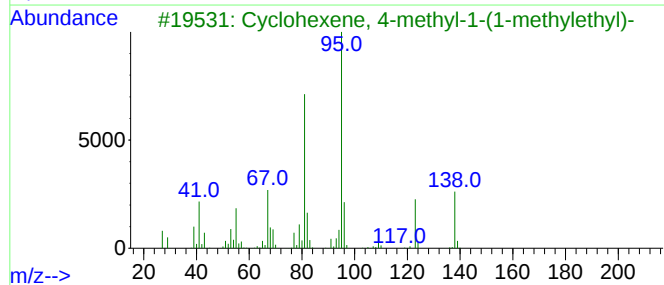
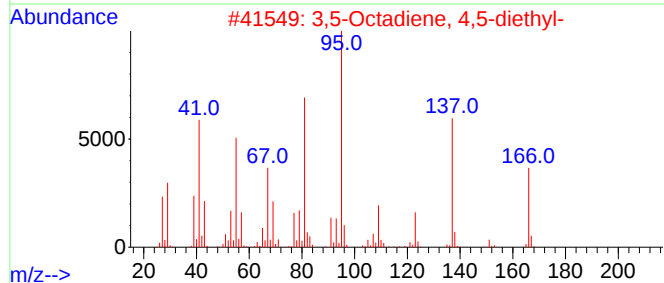
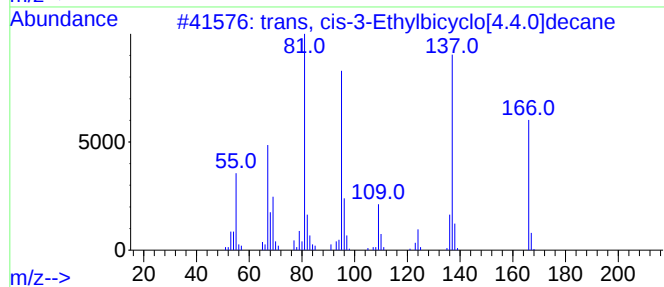
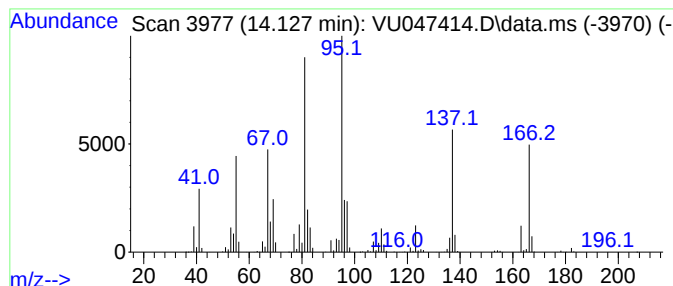
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 36 trans, cis-3-Ethylbicyclo[4... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.127	5.92 ug/L	1617950	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	76
2			3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	72
3			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64
4			cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	58
5			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

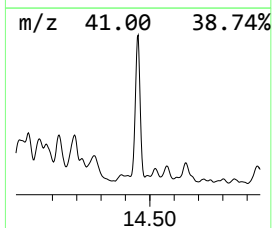
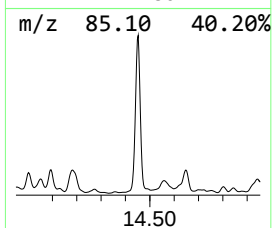
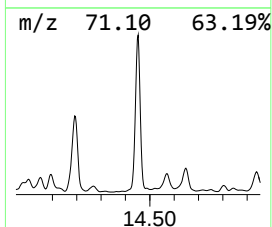
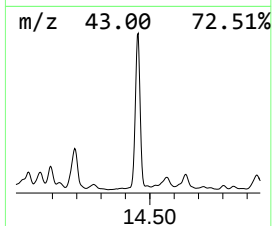
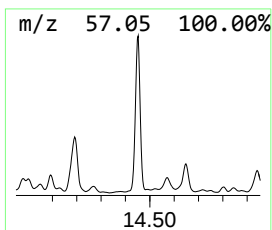
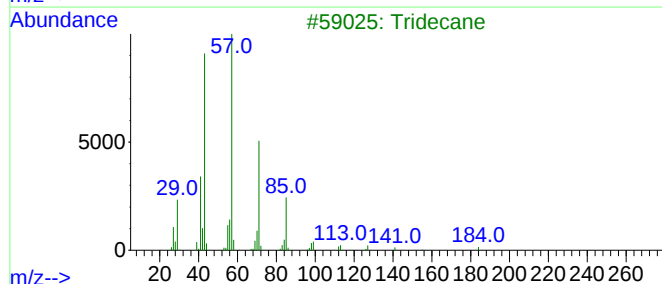
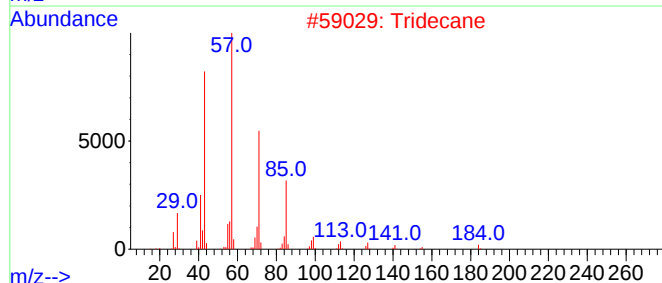
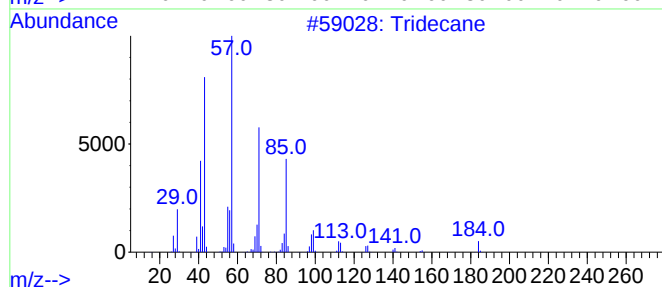
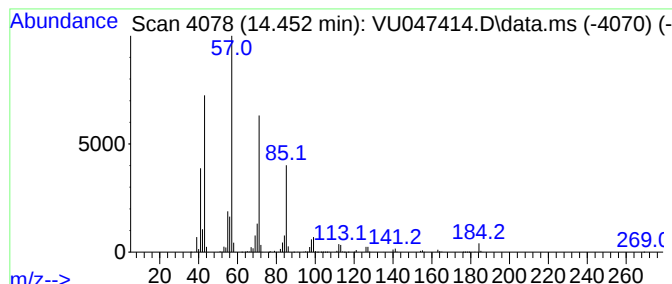
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	13.59 ug/L	3714420	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	94
3		Tridecane	184	C13H28	000629-50-5	90
4		Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90
5		Dodecane	170	C12H26	000112-40-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

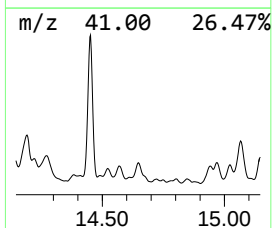
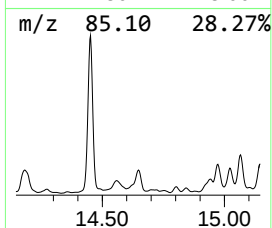
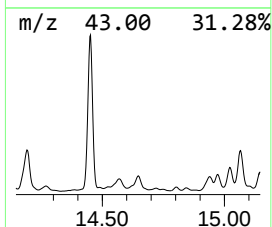
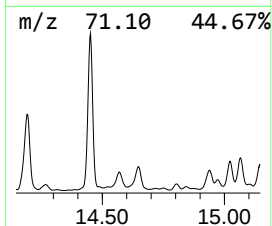
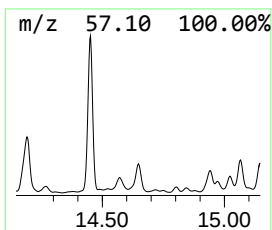
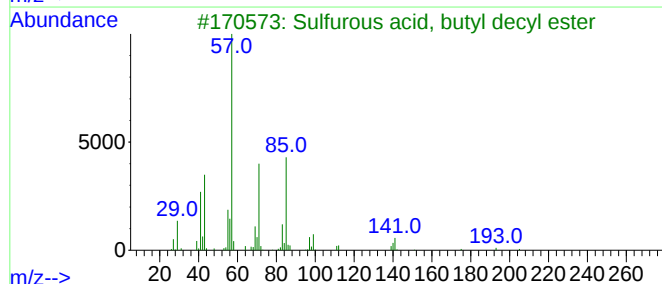
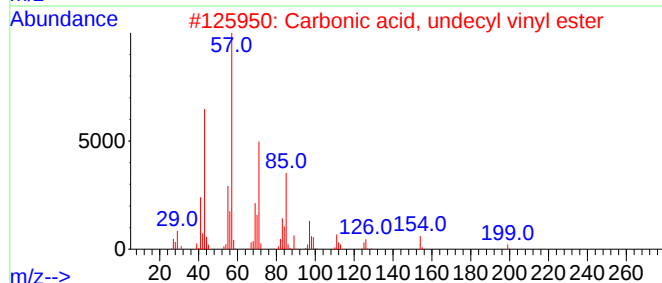
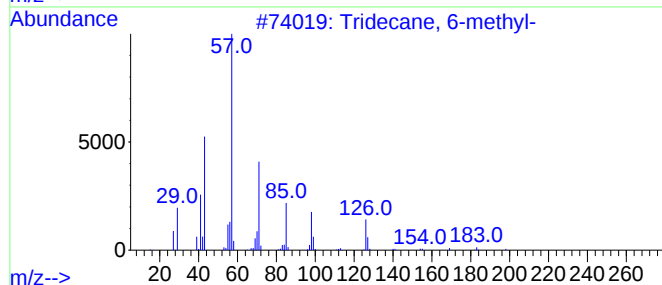
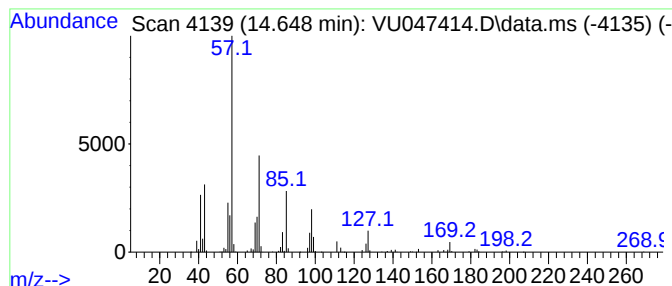
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.648	3.04 ug/L	831330	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
2			Carbonic acid, undecyl vinyl ester	242	C14H26O3	1000382-54-9	59
3			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	50
4			Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	50
5			Undecane	156	C11H24	001120-21-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

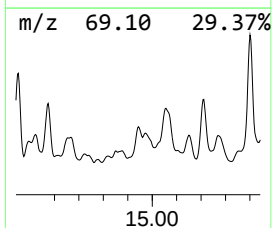
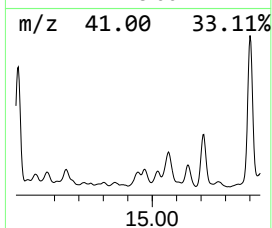
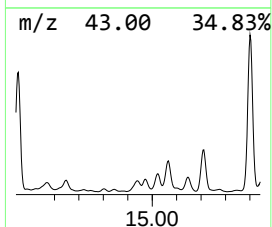
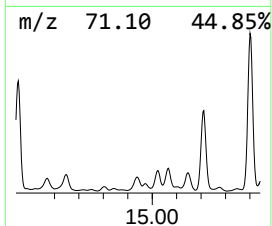
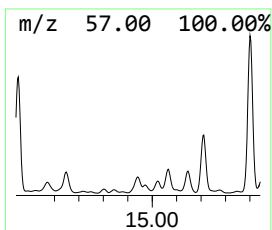
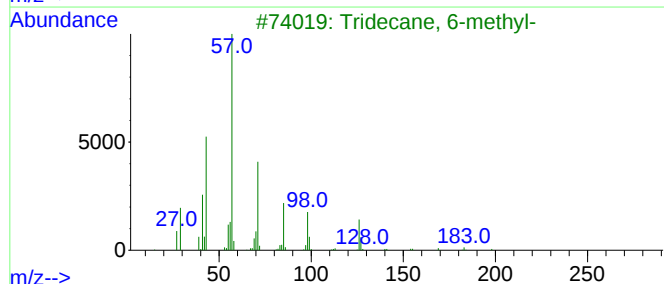
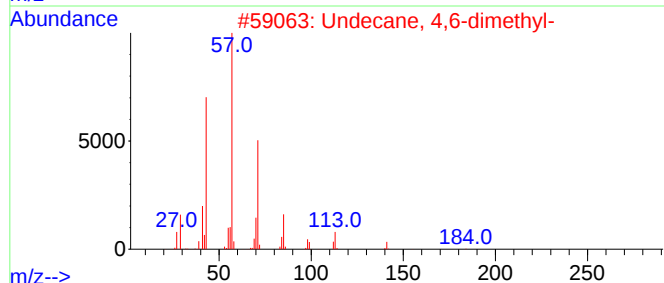
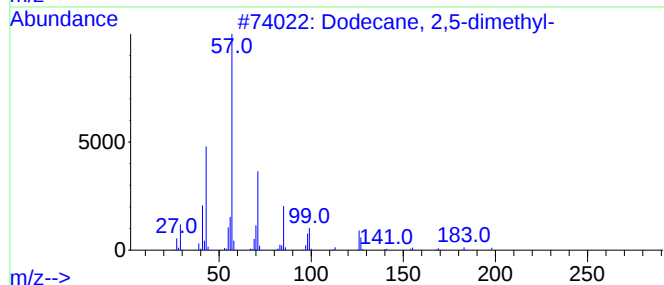
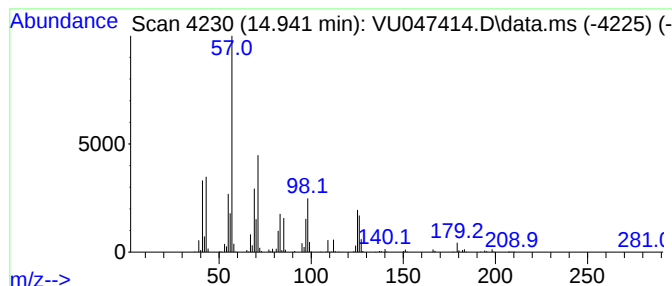
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.941	1.13 ug/L	308945	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	49
2			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	45
3			Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
4			Octane, 4-ethyl-	142	C10H22	015869-86-0	43
5			Carbonic acid, undecyl vinyl ester	242	C14H26O3	1000382-54-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

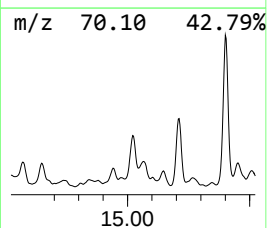
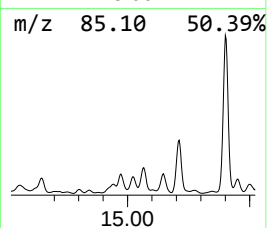
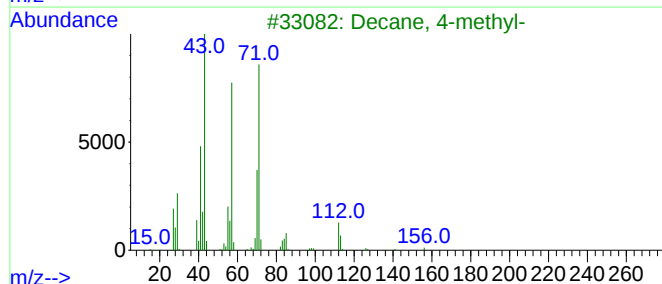
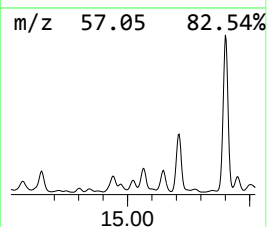
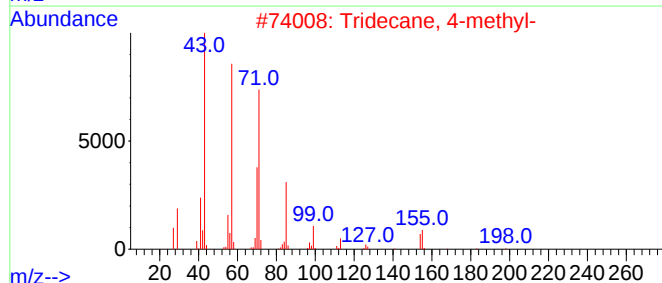
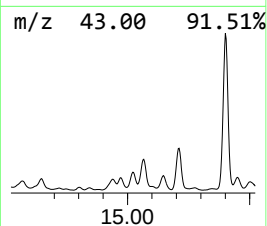
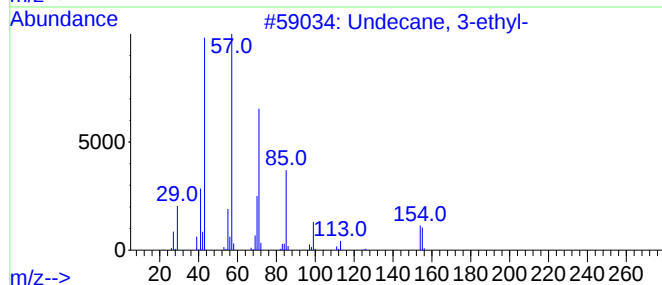
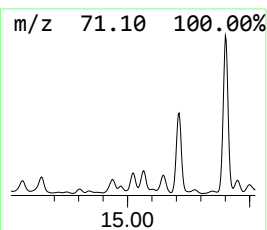
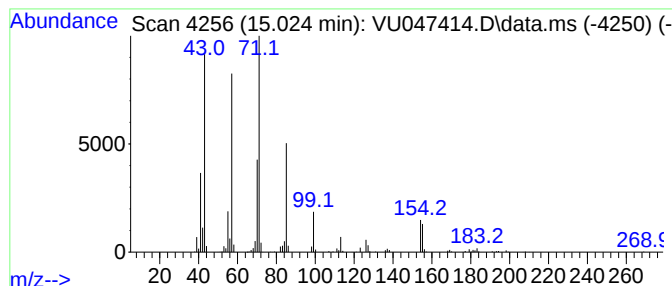
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.024	1.41 ug/L	384725	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-ethyl-	184	C13H28	017312-58-2	80
2			Tridecane, 4-methyl-	198	C14H30	026730-12-1	62
3			Decane, 4-methyl-	156	C11H24	002847-72-5	58
4			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	58
5			Decane, 4-methyl-	156	C11H24	002847-72-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

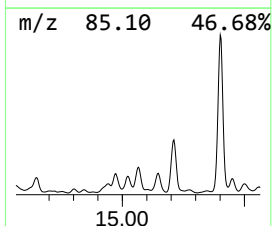
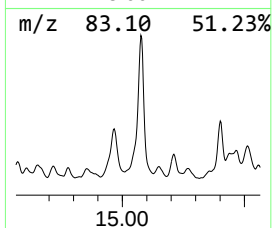
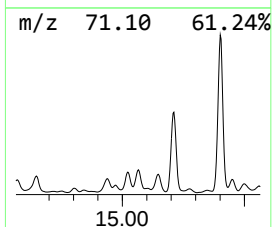
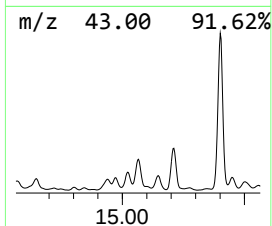
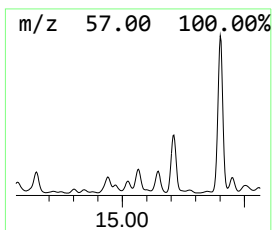
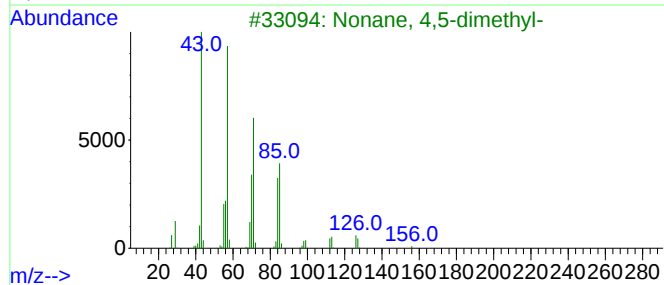
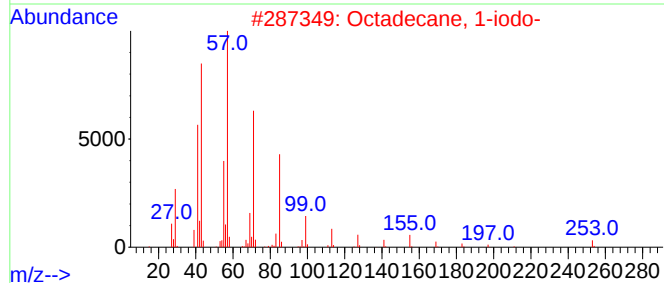
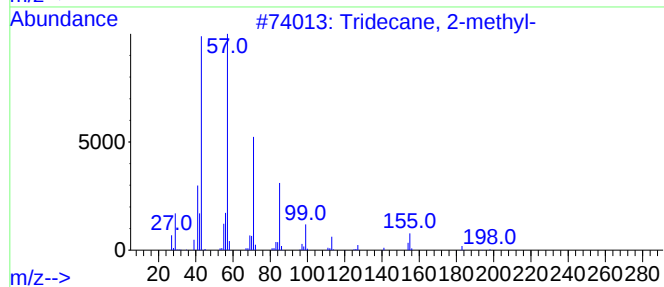
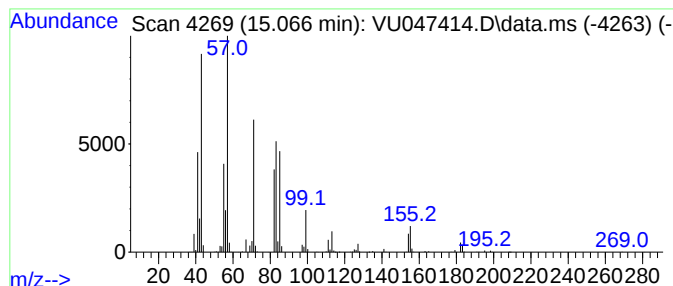
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	4.61 ug/L	1258960	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 2-methyl-	198	C14H30	001560-96-9	86
2			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	49
3			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	49
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	47
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

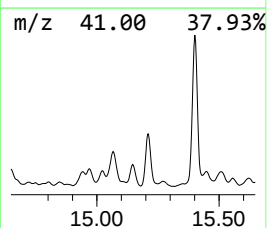
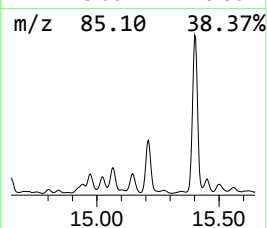
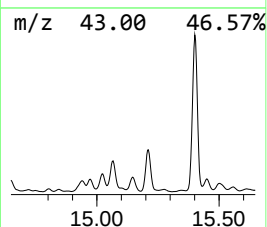
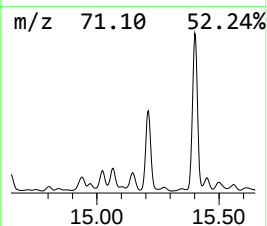
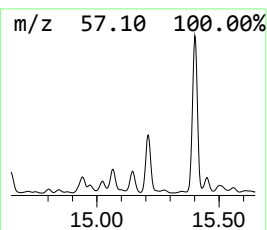
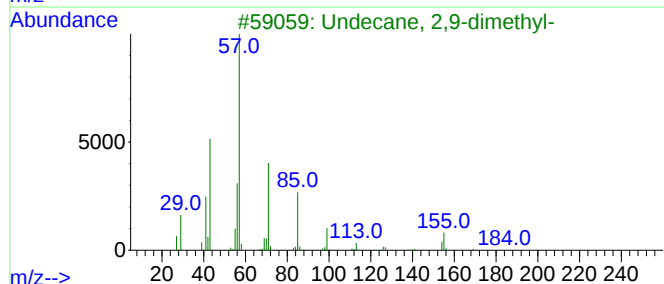
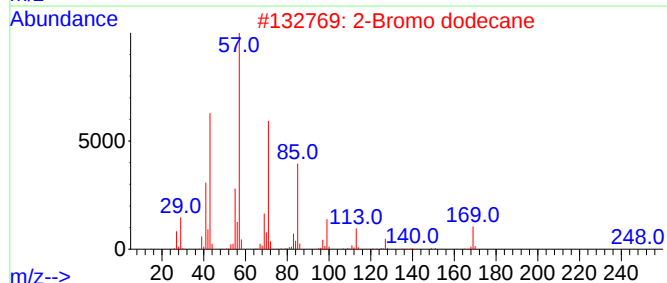
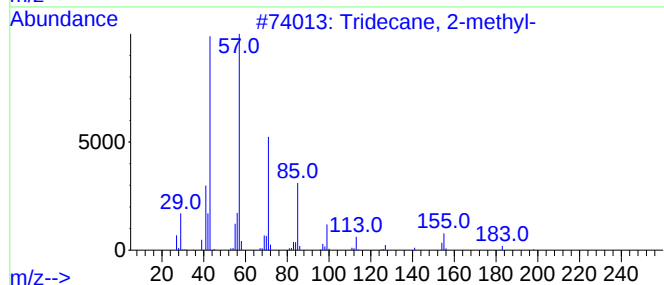
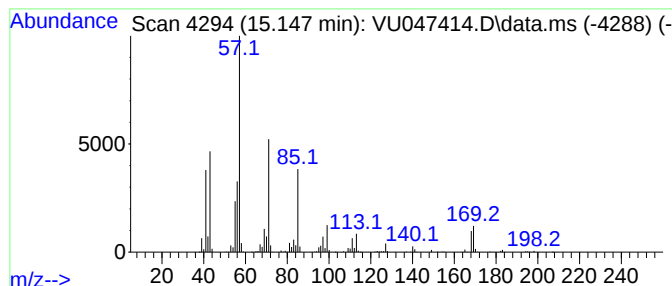
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.147	3.22 ug/L	881150	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 2-methyl-	198	C14H30	001560-96-9	74
2			2-Bromo dodecane	248	C12H25Br	013187-99-0	64
3			Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
4			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
5			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

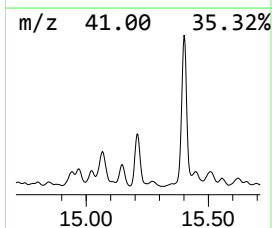
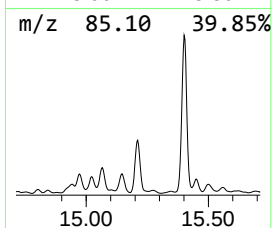
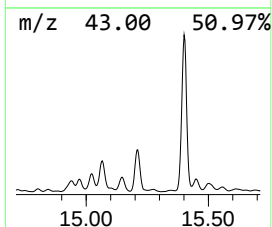
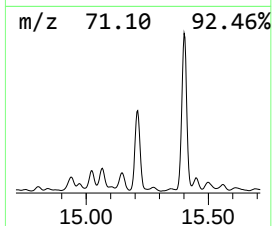
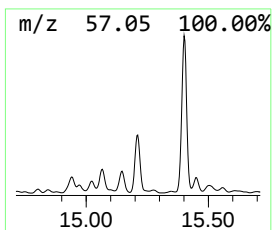
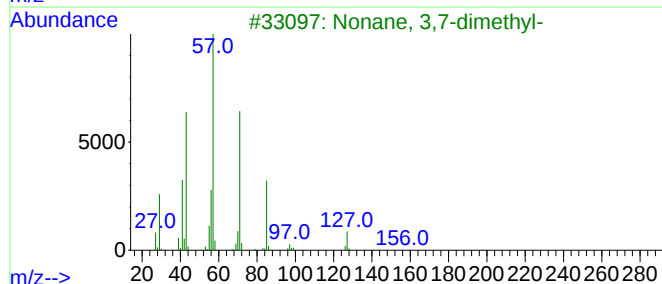
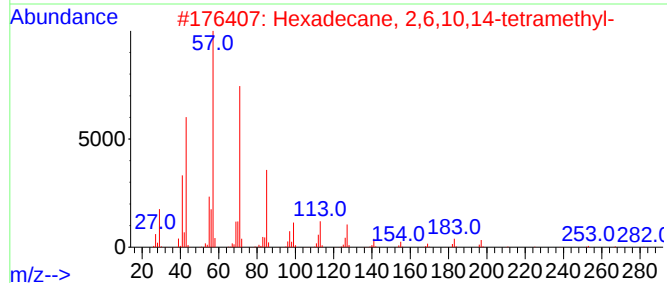
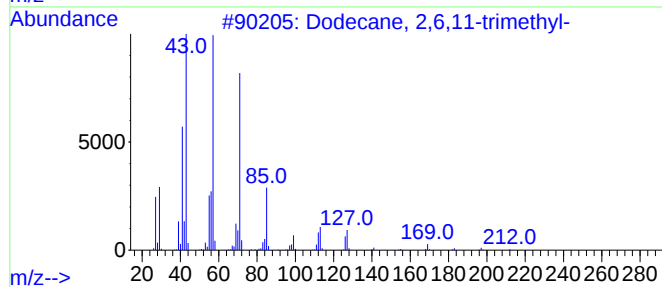
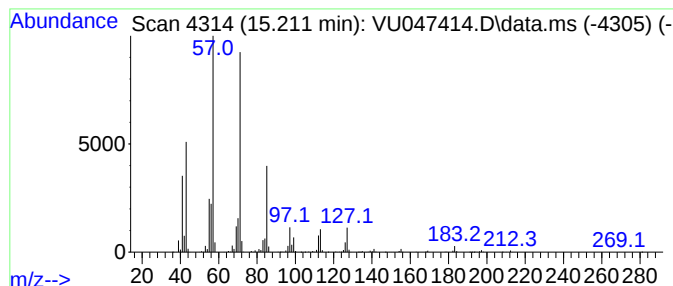
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.211	8.68 ug/L	2370450	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5			1-Undecene, 4-methyl-	168	C12H24	074630-39-0	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

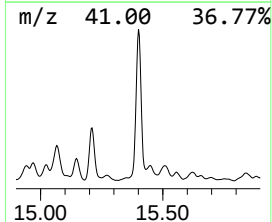
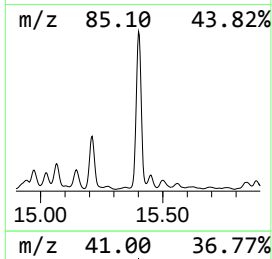
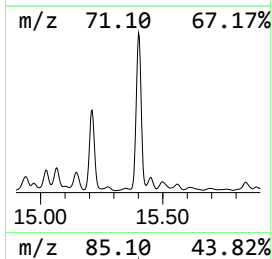
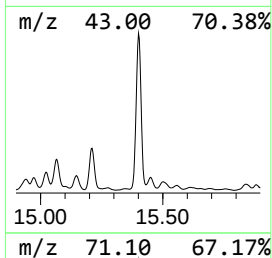
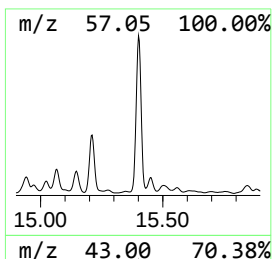
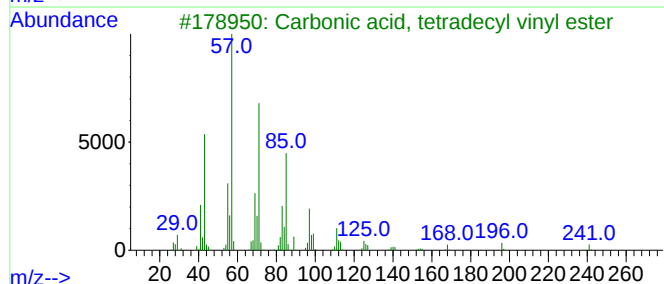
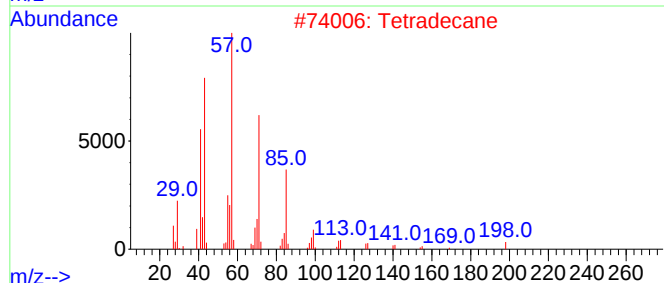
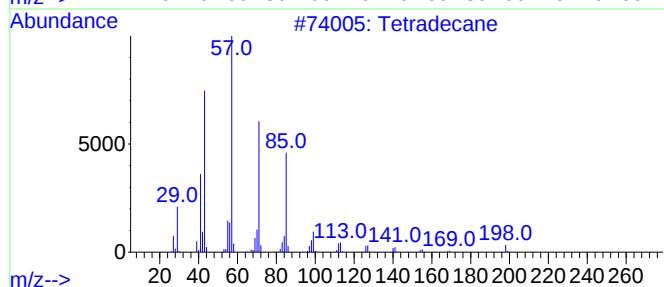
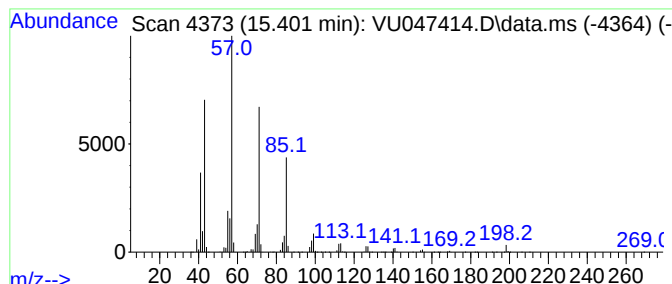
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.400	19.36 ug/L	5290790	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	94
3			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90
4			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
5			Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

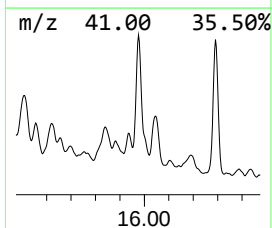
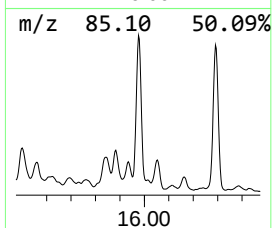
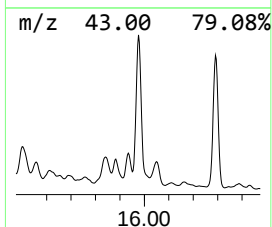
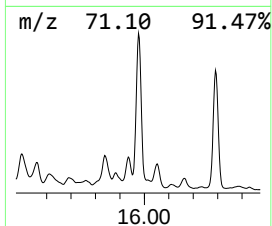
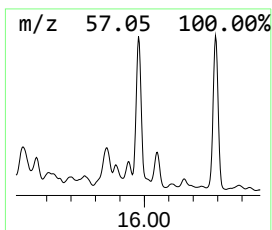
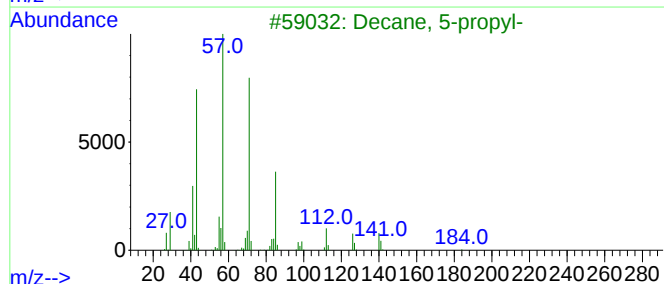
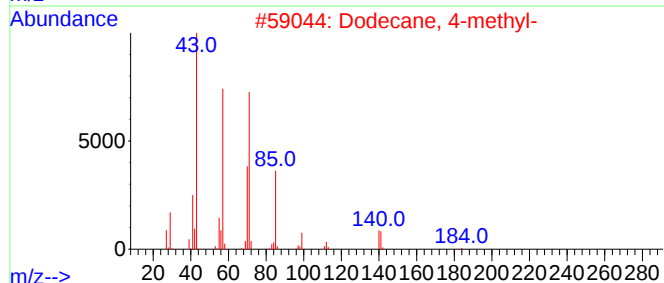
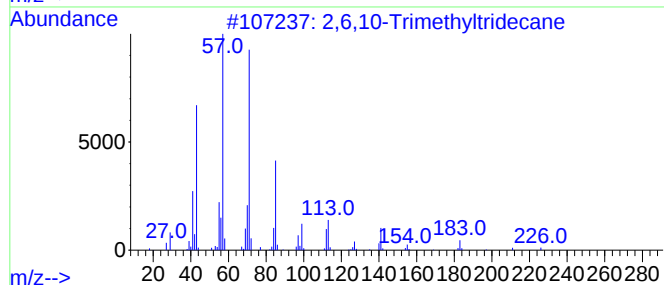
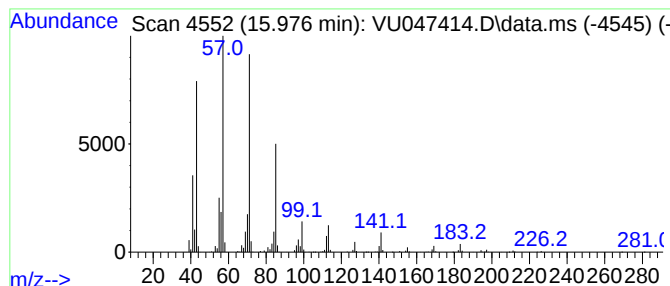
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.976	5.00 ug/L	1366110	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	93
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
3			Decane, 5-propyl-	184	C13H28	017312-62-8	87
4			Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

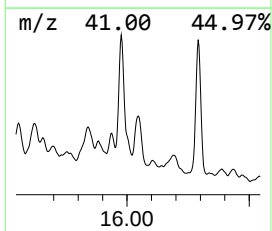
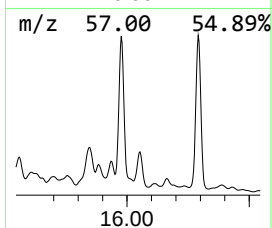
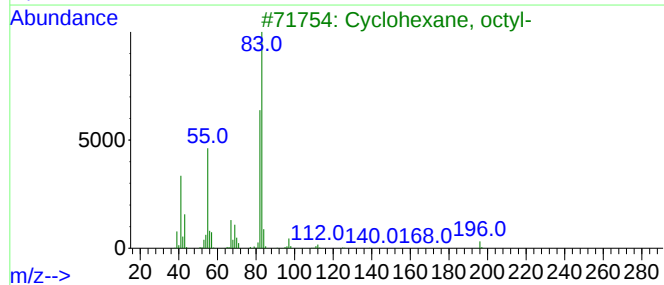
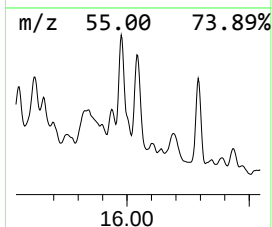
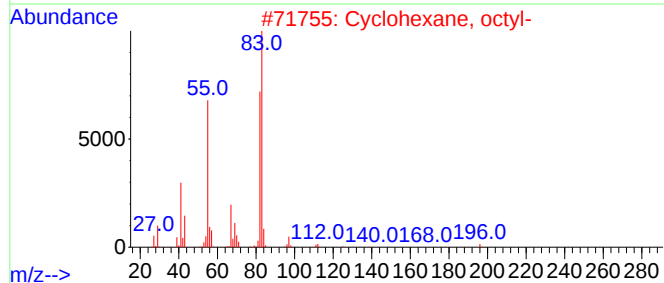
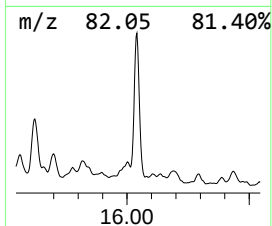
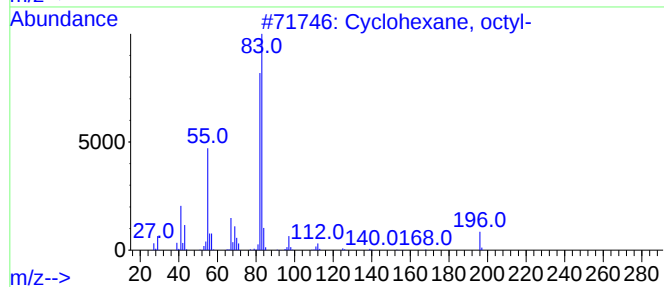
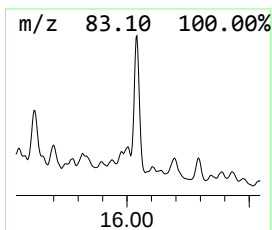
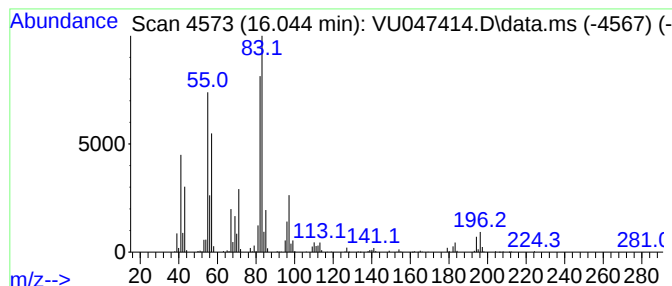
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 46 (DEL) Alkane: Cyclic16.044 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.044	2.24 ug/L	610809	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, octyl-	196	C14H28	001795-15-9	76
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	76
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	68
4			Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	64
5			Cyclohexane, undecyl-	238	C17H34	054105-66-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047414.D
Acq On : 09 Mar 2022 19:09
Operator : SY/MD
Sample : N1840-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFY23

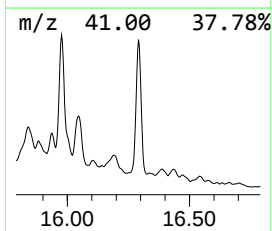
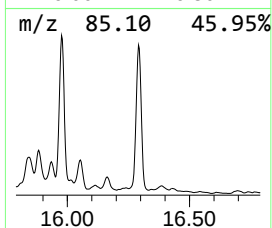
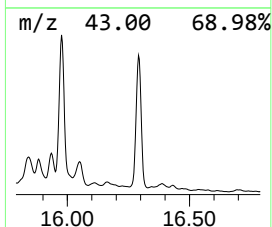
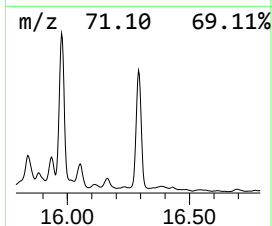
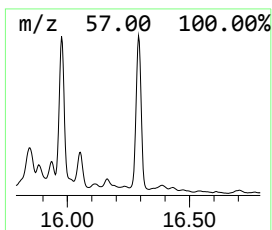
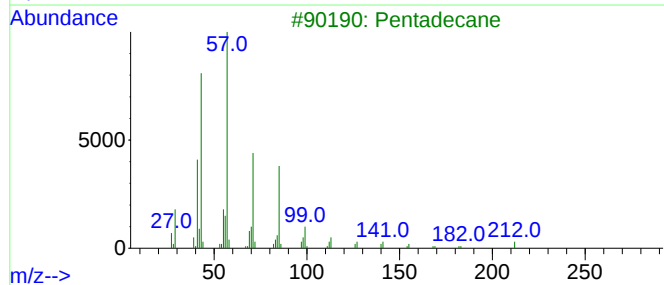
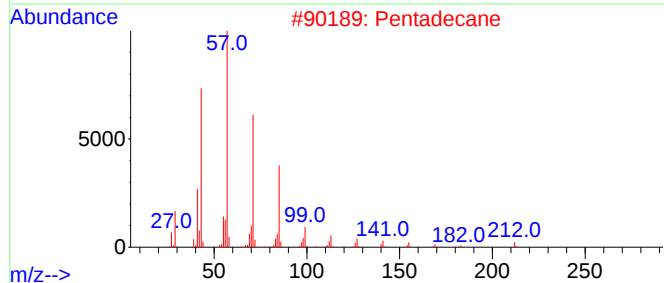
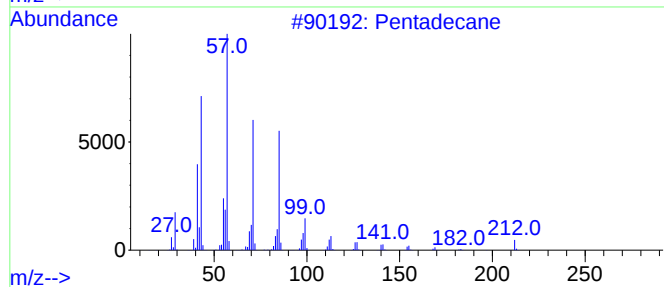
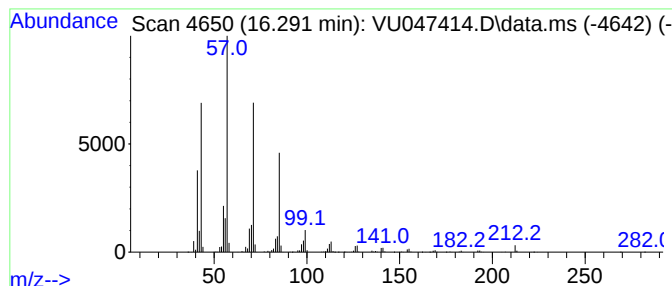
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Quant Title : TRACE VOA SFAM1.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.291	4.35 ug/L	1187430	1,4-Dichlorobenzene-d4	11.812

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	97
2			Pentadecane	212	C15H32	000629-62-9	93
3			Pentadecane	212	C15H32	000629-62-9	91
4			Tetradecane	198	C14H30	000629-59-4	91
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
 Data File : VU047414.D
 Acq On : 09 Mar 2022 19:09
 Operator : SY/MD
 Sample : N1840-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.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...	10.674	10.4	ug/L	2854850	3	11.812	1366220	5.0
(DEL) Alkane: S...	10.870	2.0	ug/L	546552	3	11.812	1366220	5.0
Sulfurous acid,...	11.124	4.3	ug/L	1164370	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.208	1.0	ug/L	274517	3	11.812	1366220	5.0
unknown-01	11.314	1.4	ug/L	385882	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.388	3.4	ug/L	917645	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.459	22.9	ug/L	6262300	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.584	9.4	ug/L	2579410	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.700	34.6	ug/L	9463280	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.748	2.2	ug/L	605302	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.873	5.5	ug/L	1508150	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.947	20.2	ug/L	5529970	3	11.812	1366220	5.0
(DEL) Alkane: S...	11.980	22.7	ug/L	6203890	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.089	1.0	ug/L	268370	3	11.812	1366220	5.0
(DEL) Alkane: C...	12.124	2.8	ug/L	757260	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.278	2.4	ug/L	662452	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.336	8.3	ug/L	2257170	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.404	6.8	ug/L	1863340	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.539	3.1	ug/L	852733	3	11.812	1366220	5.0
(DEL) Alkane: S...	12.648	0.8	ug/L	219133	3	11.812	1366220	5.0
trans-Decalin, ...	12.844	10.9	ug/L	2989050	3	11.812	1366220	5.0
unknown-02	12.886	1.7	ug/L	457447	3	11.812	1366220	5.0
(DEL) Alkane: C...	12.934	6.6	ug/L	1802090	3	11.812	1366220	5.0
(DEL) Alkane: S...	13.015	3.3	ug/L	888892	3	11.812	1366220	5.0
1-Methyldecahyd...	13.057	21.0	ug/L	5730150	3	11.812	1366220	5.0
(DEL) Alkane: S...	13.137	8.7	ug/L	2378550	3	11.812	1366220	5.0
Naphthalene, de...	13.314	5.8	ug/L	1589530	3	11.812	1366220	5.0
Karahanaenone	13.384	4.8	ug/L	1323930	3	11.812	1366220	5.0
2(1H)-Naphthale...	13.462	40.6	ug/L	11082100	3	11.812	1366220	5.0
Decalin, syn-1-...	13.536	7.7	ug/L	2111480	3	11.812	1366220	5.0
cis,trans-1,6-D...	13.619	34.5	ug/L	9412360	3	11.812	1366220	5.0
Hexylidencycloh...	13.732	9.3	ug/L	2547300	3	11.812	1366220	5.0
2(1H)-Naphthale...	13.854	6.4	ug/L	1757340	3	11.812	1366220	5.0
Naphthalene, de...	13.963	8.2	ug/L	2241240	3	11.812	1366220	5.0
(DEL) Alkane: C...	14.047	2.6	ug/L	717622	3	11.812	1366220	5.0
trans, cis-3-Et...	14.127	5.9	ug/L	1617950	3	11.812	1366220	5.0
(DEL) Alkane: S...	14.452	13.6	ug/L	3714420	3	11.812	1366220	5.0
(DEL) Alkane: S...	14.648	3.0	ug/L	831330	3	11.812	1366220	5.0
(DEL) Alkane: S...	14.941	1.1	ug/L	308945	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.024	1.4	ug/L	384725	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.066	4.6	ug/L	1258960	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.147	3.2	ug/L	881150	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.211	8.7	ug/L	2370450	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.400	19.4	ug/L	5290790	3	11.812	1366220	5.0
(DEL) Alkane: S...	15.976	5.0	ug/L	1366110	3	11.812	1366220	5.0
(DEL) Alkane: C...	16.044	2.2	ug/L	610809	3	11.812	1366220	5.0
(DEL) Alkane: S...	16.291	4.3	ug/L	1187430	3	11.812	1366220	5.0