

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
 Data File : VV024595.D
 Acq On : 11 Feb 2022 11:25
 Operator : SY/MD
 Sample : N1476-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXZ3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV024595.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.111	16	22	34	rVB	17097	17649	1.27%	0.212%
2	1.178	37	43	49	rBV	17543	16541	1.19%	0.199%
3	1.217	49	55	61	rBV	26021	23001	1.65%	0.277%
4	1.307	73	83	95	rVB2	79016	99920	7.18%	1.202%
5	1.391	102	109	118	rBV2	9634	18190	1.31%	0.219%
6	1.568	157	164	178	rBV	58737	67956	4.89%	0.817%
7	1.809	231	239	248	rVB	35201	44937	3.23%	0.541%
8	1.950	275	283	289	rBV	10097	13990	1.01%	0.168%
9	2.108	308	332	353	rBV2	158374	281792	20.26%	3.390%
10	3.915	881	894	936	rBV2	23163	105748	7.60%	1.272%
11	4.349	1013	1029	1056	rBV	78591	213746	15.37%	2.571%
12	5.046	1230	1246	1284	rBV2	177400	447161	32.15%	5.379%
13	5.616	1410	1423	1452	rBV	141062	286828	20.62%	3.450%
14	5.918	1505	1517	1534	rBV7	11377	26045	1.87%	0.313%
15	6.069	1549	1564	1586	rBV	101370	212366	15.27%	2.555%
16	6.281	1618	1630	1665	rBV	76570	167625	12.05%	2.016%
17	6.985	1838	1849	1871	rBV	53343	100529	7.23%	1.209%
18	7.313	1939	1951	1969	rBV	225449	391993	28.19%	4.715%
19	7.394	1969	1976	1991	rVB2	7619	15124	1.09%	0.182%
20	7.622	2038	2047	2067	rBV	28757	52214	3.75%	0.628%
21	7.972	2140	2156	2176	rBV	457357	770935	55.43%	9.273%
22	8.088	2182	2192	2226	rBV	173337	359686	25.86%	4.327%
23	8.233	2226	2237	2273	rBV	831068	1390768	100.00%	16.729%
24	8.850	2418	2429	2451	rBV	224507	366522	26.35%	4.409%
25	9.805	2715	2726	2747	rBV2	171571	276004	19.85%	3.320%
26	10.213	2843	2853	2870	rVB	60127	95366	6.86%	1.147%
27	10.715	3000	3009	3016	rBV2	30239	44160	3.18%	0.531%
28	10.757	3016	3022	3036	rVB2	25570	43420	3.12%	0.522%
29	10.853	3045	3052	3062	rBV3	11771	18347	1.32%	0.221%
30	10.911	3062	3070	3094	rVB9	9949	26184	1.88%	0.315%
31	11.146	3131	3143	3164	rBV	363473	539644	38.80%	6.491%
32	11.246	3164	3174	3198	rVB	249359	389676	28.02%	4.687%
33	11.622	3280	3291	3307	rBV	198111	314770	22.63%	3.786%
34	12.004	3400	3410	3434	rBV2	46816	87825	6.31%	1.056%
35	12.342	3502	3515	3537	rBV	367709	537660	38.66%	6.467%
36	13.136	3753	3762	3776	rBV3	21877	36761	2.64%	0.442%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Title : TRACE VOA SFAM1.0

37	14.175	4070	4085	4106	rBV2	212662	348897	25.09%	4.197%
38	14.805	4269	4281	4293	rBV2	14602	24491	1.76%	0.295%
39	15.146	4379	4387	4403	rVB3	24564	38920	2.80%	0.468%

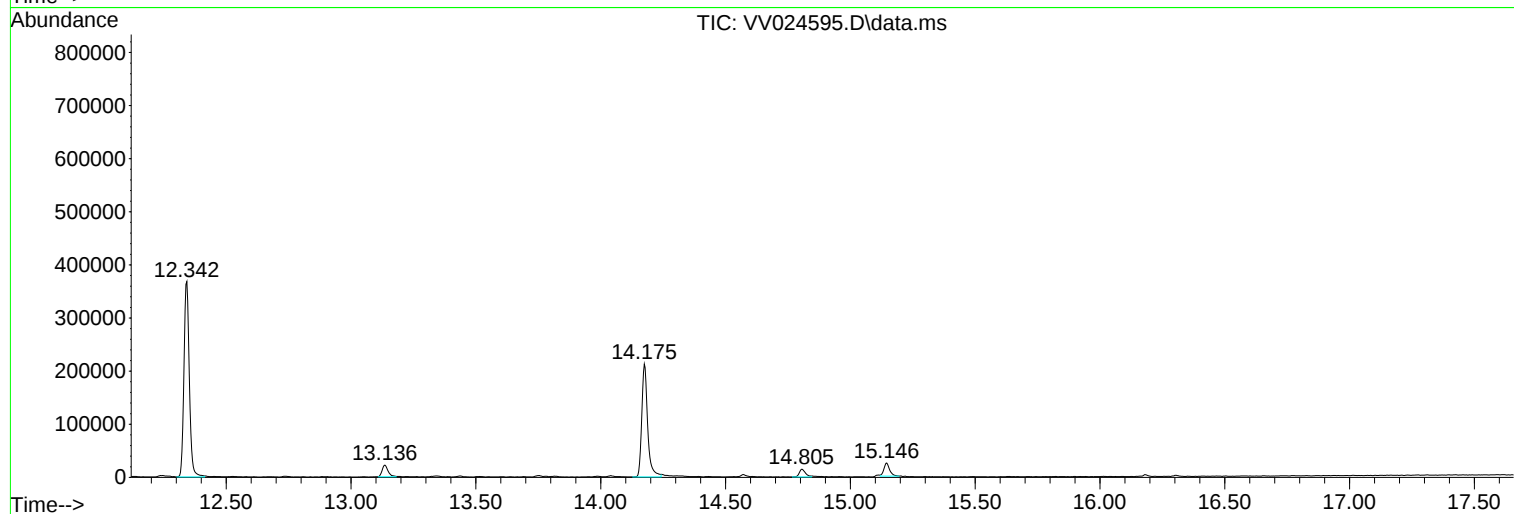
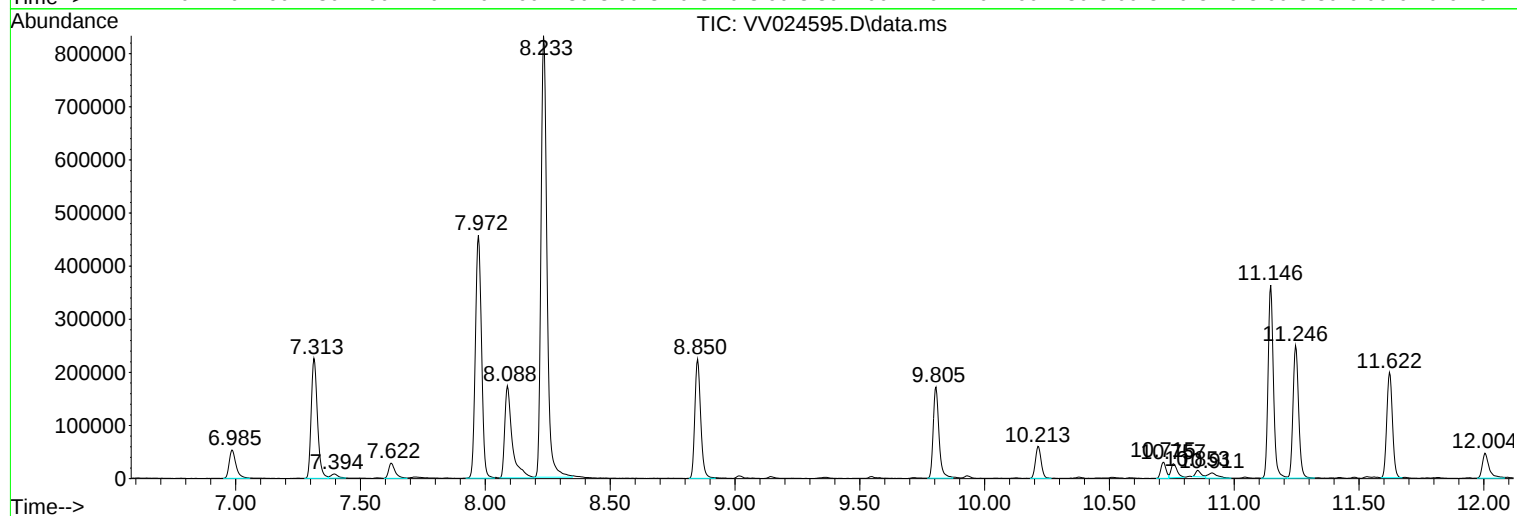
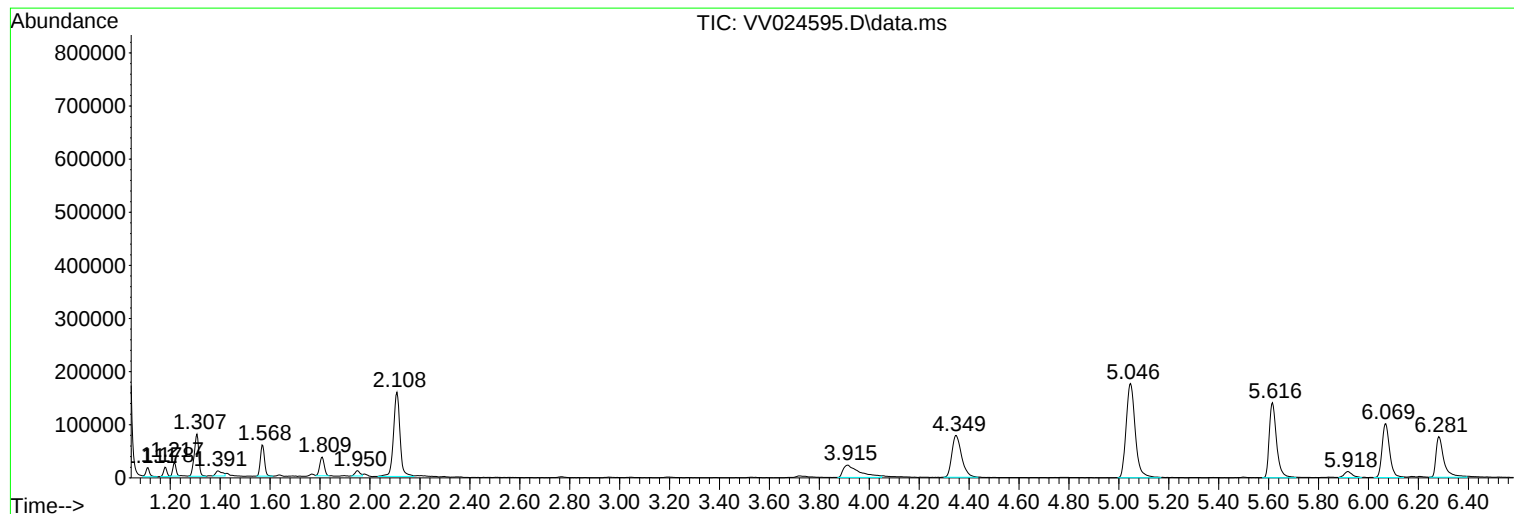
Sum of corrected areas: 8313391

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

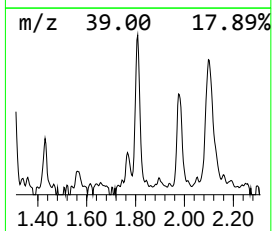
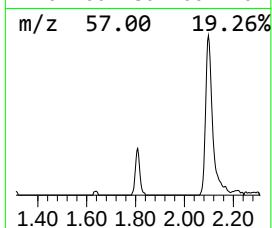
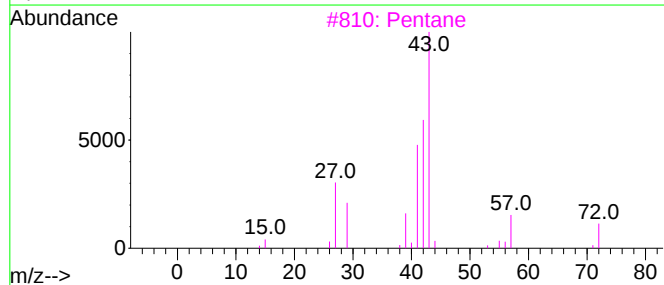
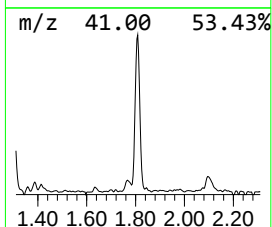
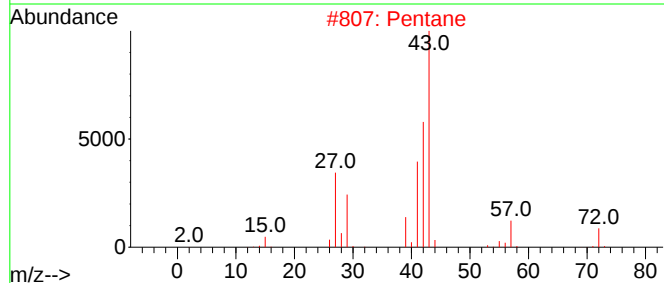
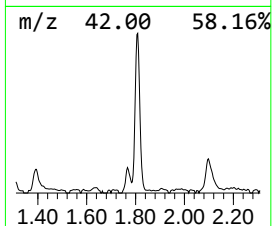
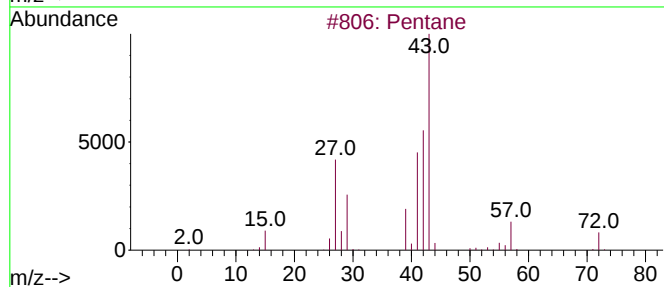
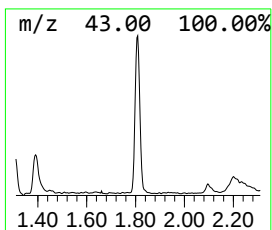
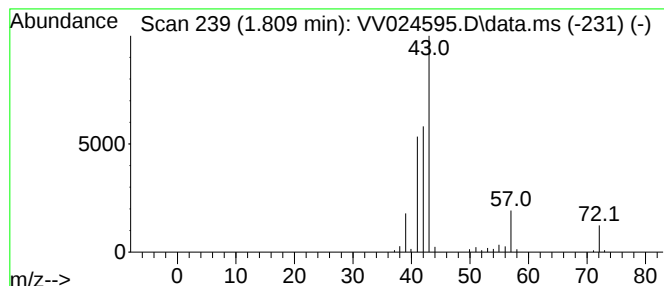
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.809	0.78 ug/L	44937	1,4-Difluorobenzene	5.616

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane		72	C5H12	000109-66-0	83
2	Pentane		72	C5H12	000109-66-0	83
3	Pentane		72	C5H12	000109-66-0	78
4	Pentane		72	C5H12	000109-66-0	72
5	Pentane		72	C5H12	000109-66-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

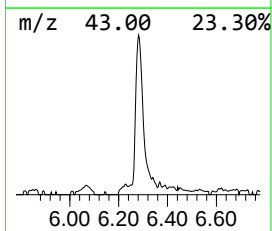
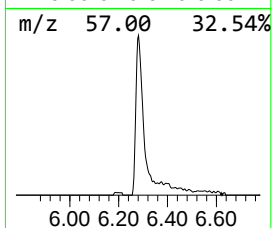
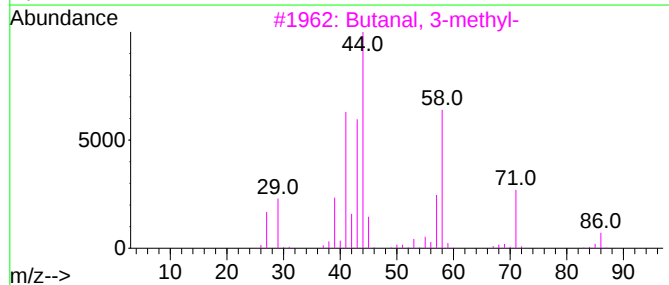
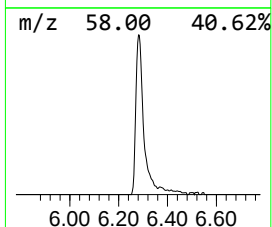
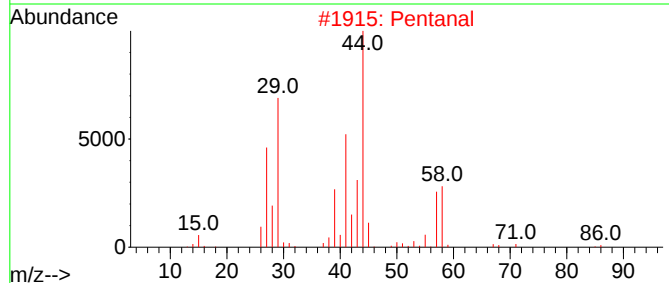
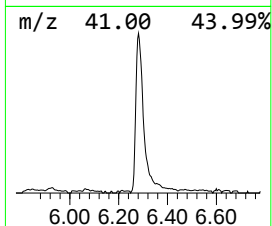
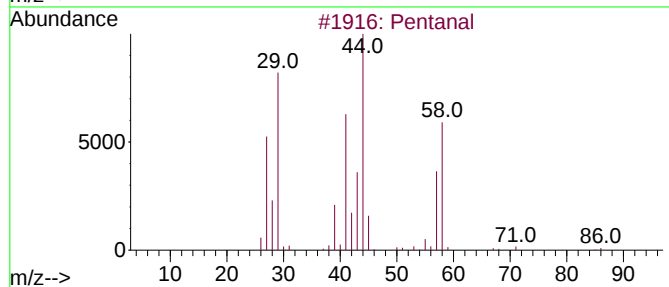
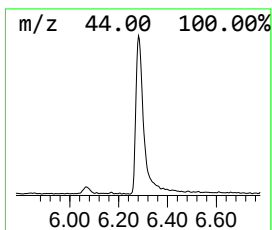
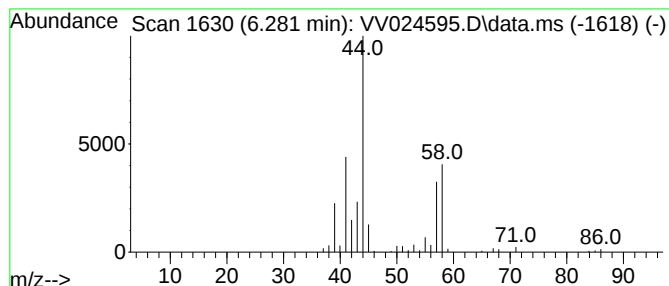
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 Pentanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.281	2.92 ug/L	167625	1,4-Difluorobenzene	5.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	91
2	Pentanal			86	C5H10O	000110-62-3	90
3	Butanal, 3-methyl-			86	C5H10O	000590-86-3	83
4	Pentanal			86	C5H10O	000110-62-3	83
5	Pentanal			86	C5H10O	000110-62-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

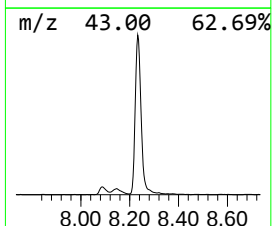
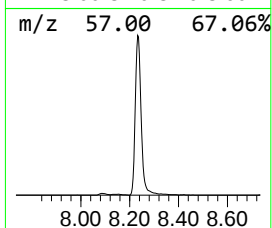
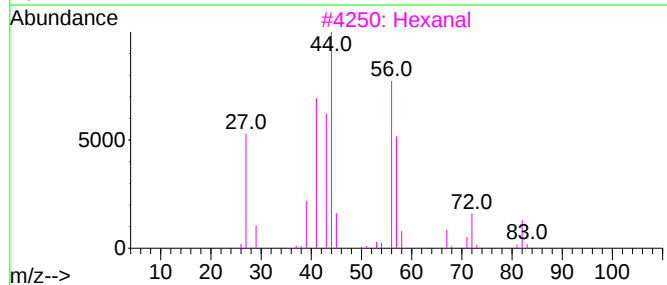
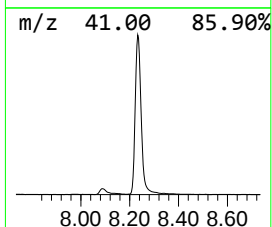
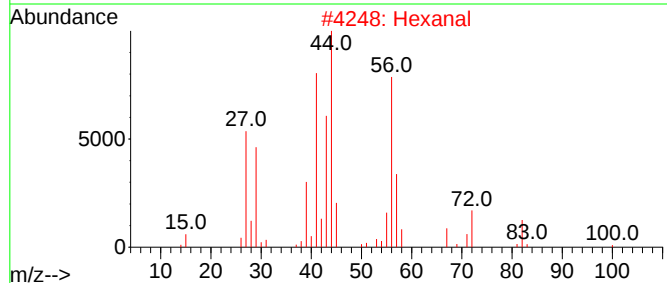
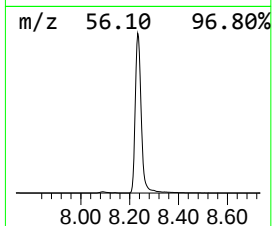
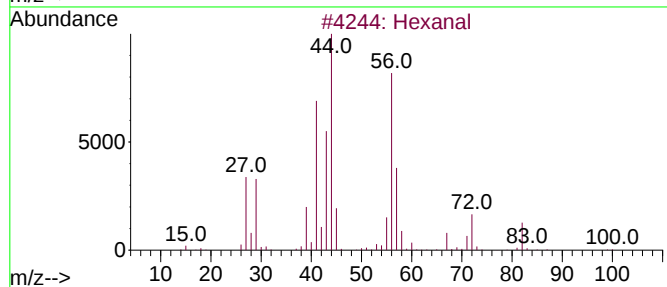
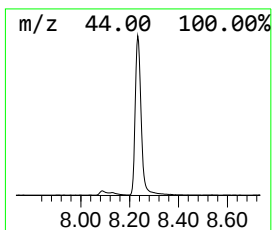
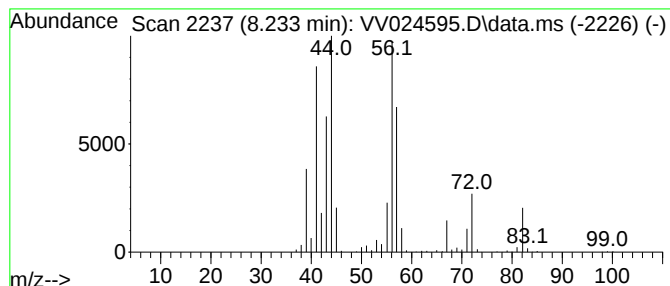
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.233	18.97 ug/L	1390770	Chlorobenzene-d5	8.850

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	87
2	Hexanal			100	C6H12O	000066-25-1	81
3	Hexanal			100	C6H12O	000066-25-1	72
4	Hexanal			100	C6H12O	000066-25-1	72
5	Hexanal			100	C6H12O	000066-25-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

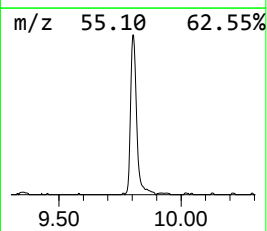
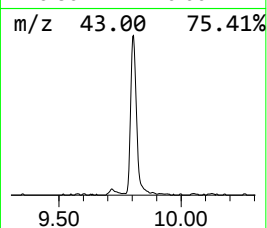
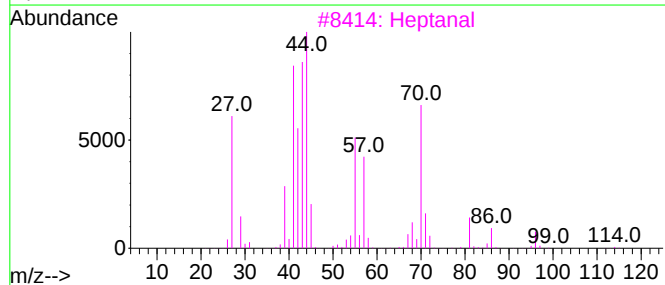
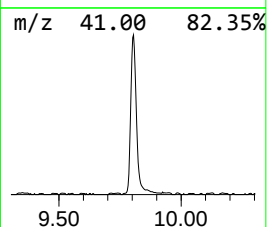
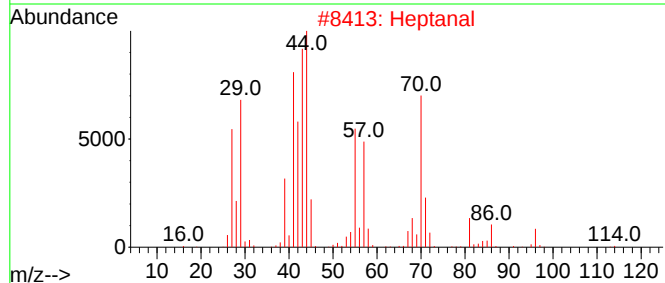
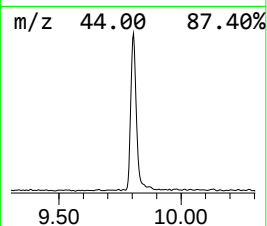
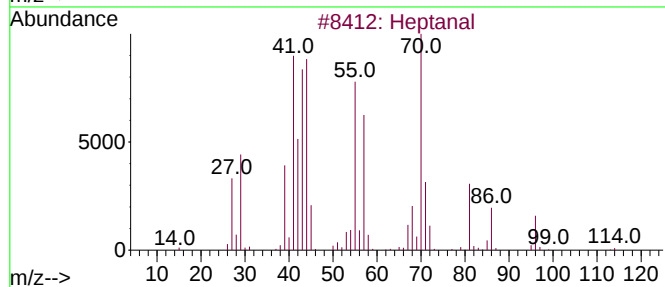
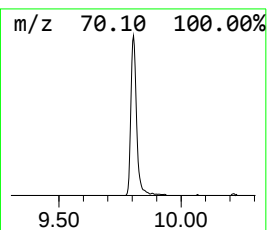
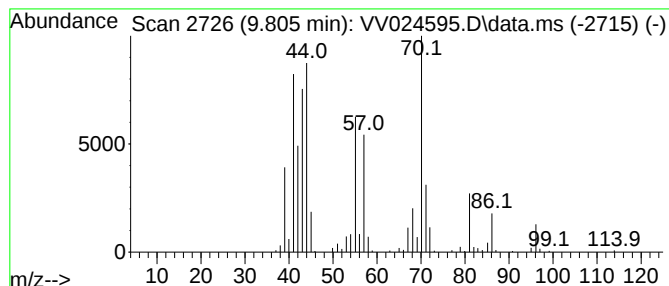
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 5 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.805	3.77 ug/L	276004	Chlorobenzene-d5	8.850

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal			114	C7H14O	000111-71-7	98
2	Heptanal			114	C7H14O	000111-71-7	95
3	Heptanal			114	C7H14O	000111-71-7	94
4	Heptanal			114	C7H14O	000111-71-7	80
5	Heptanal			114	C7H14O	000111-71-7	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

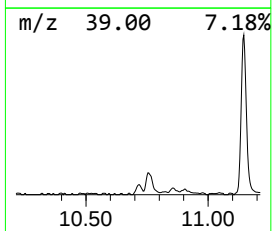
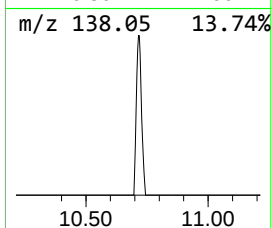
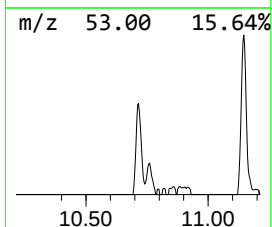
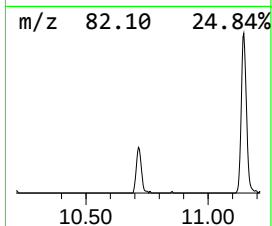
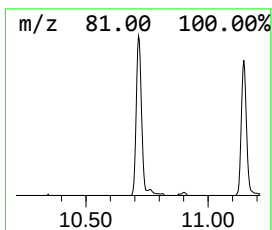
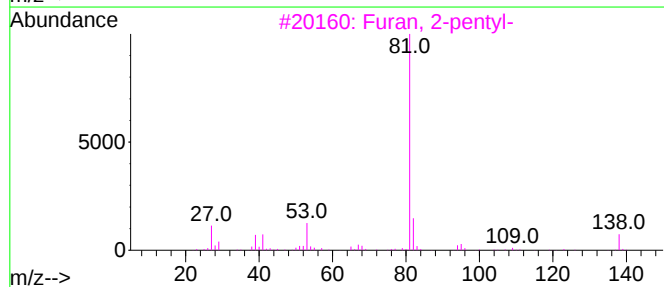
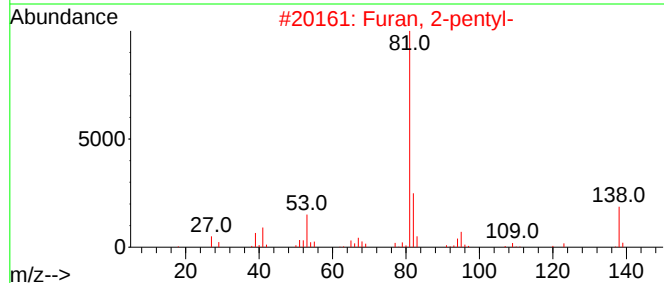
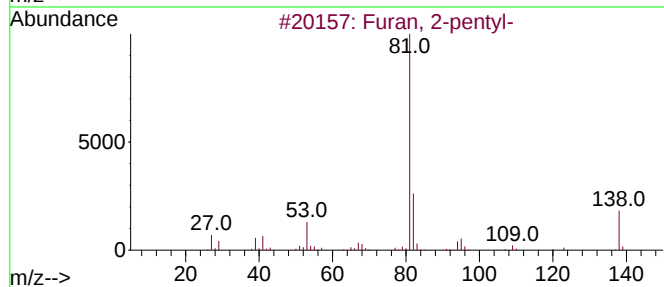
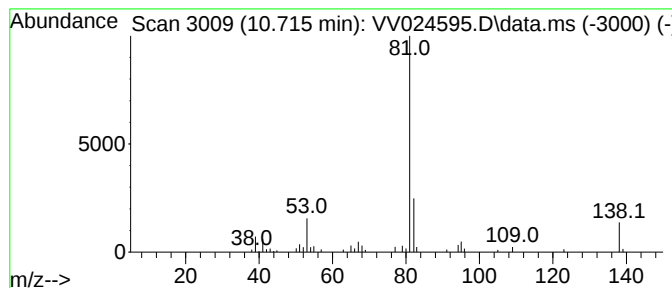
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 6 Furan, 2-pentyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.715	0.57 ug/L	44160	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-pentyl-	138	C9H14O	003777-69-3	91
2			Furan, 2-pentyl-	138	C9H14O	003777-69-3	91
3			Furan, 2-pentyl-	138	C9H14O	003777-69-3	83
4			2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	59
5			2,3-Diazabicyclo[2.2.1]hept-2-en...	124	C7H12N2	071312-54-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

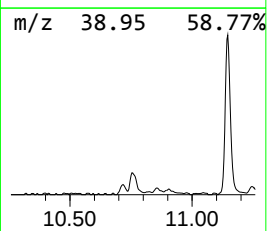
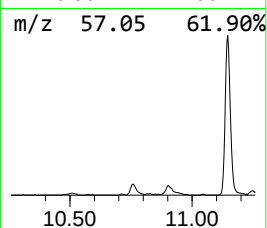
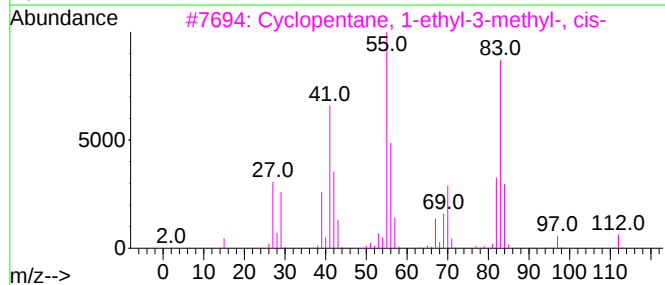
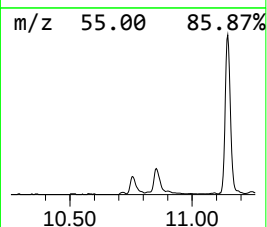
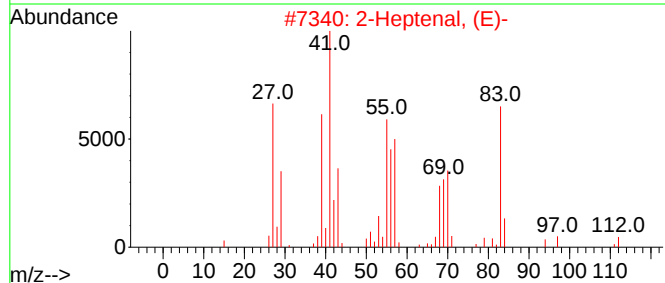
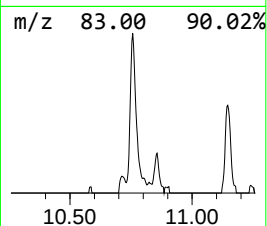
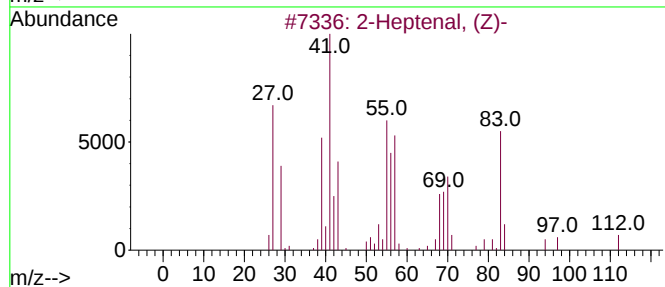
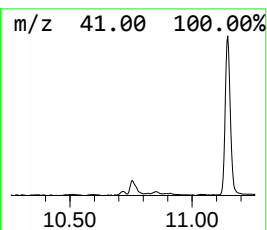
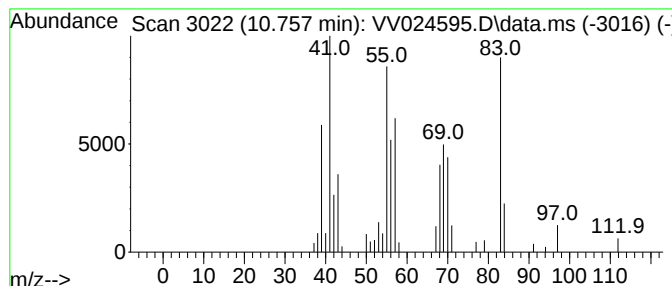
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 2-Heptenal, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	0.56 ug/L	43420	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Heptenal, (Z)-	112	C7H12O	057266-86-1	91
2			2-Heptenal, (E)-	112	C7H12O	018829-55-5	90
3			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	52
4			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	52
5			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

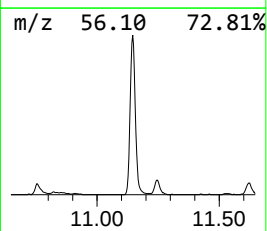
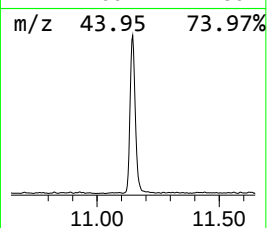
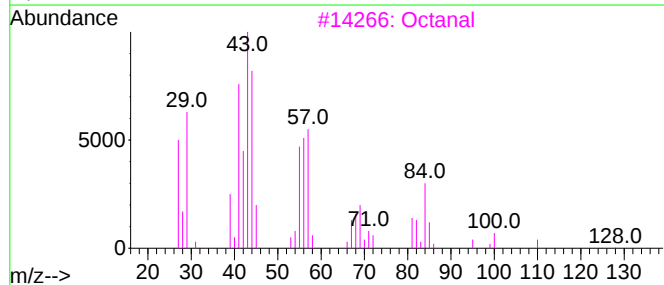
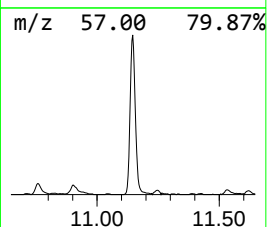
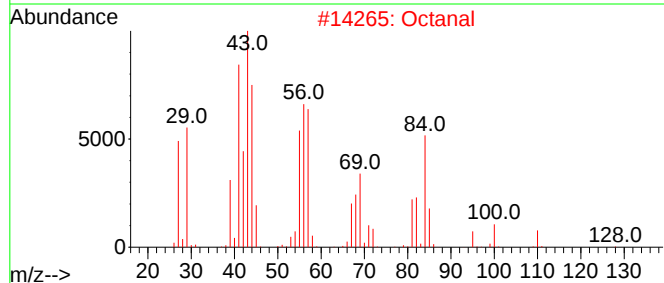
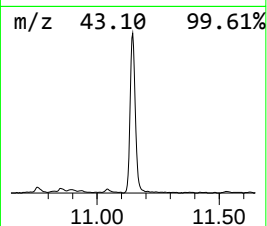
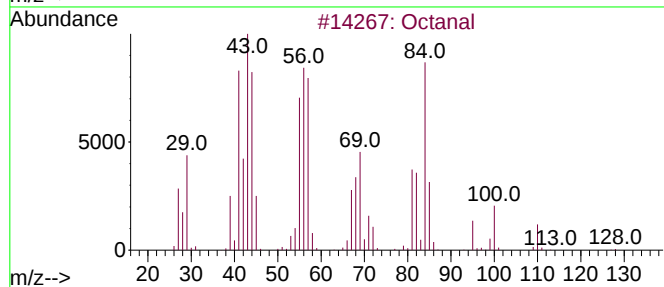
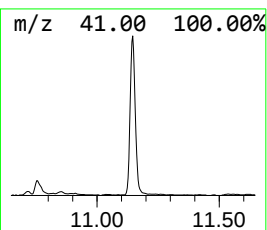
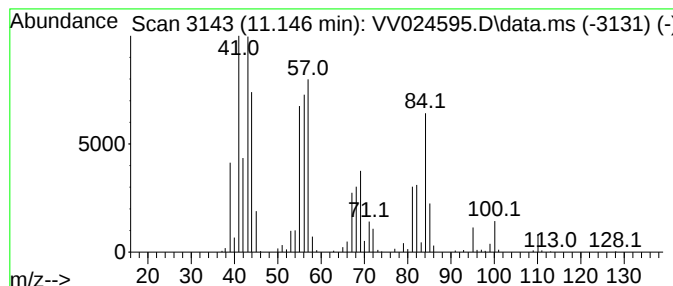
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 8 Octanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	6.92 ug/L	539644	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal			128	C8H16O	000124-13-0	98
2	Octanal			128	C8H16O	000124-13-0	97
3	Octanal			128	C8H16O	000124-13-0	95
4	Octanal			128	C8H16O	000124-13-0	91
5	Octanal			128	C8H16O	000124-13-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

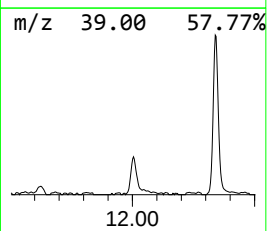
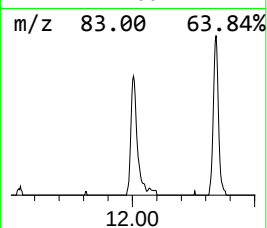
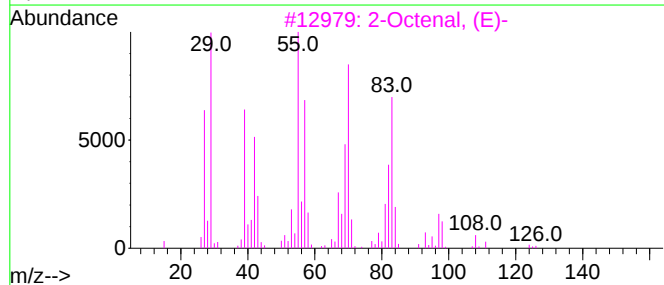
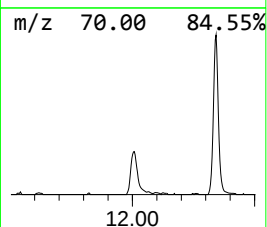
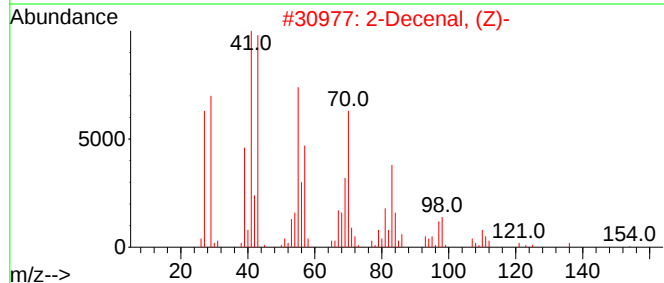
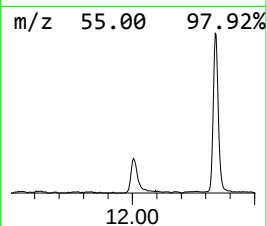
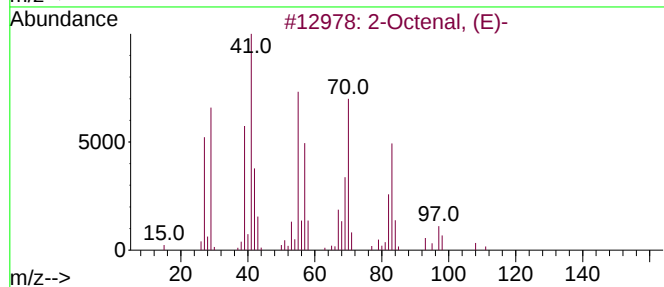
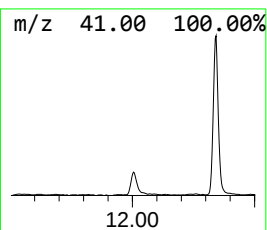
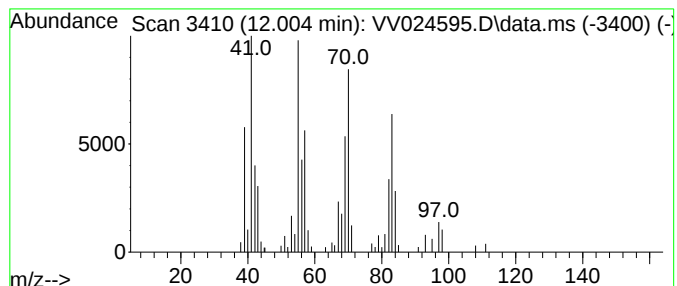
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 2-Octenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	1.13 ug/L	87825	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octenal, (E)-	126	C8H14O	002548-87-0	72
2			2-Decenal, (Z)-	154	C10H18O	002497-25-8	72
3			2-Octenal, (E)-	126	C8H14O	002548-87-0	72
4			2-Methyl-1-butene	70	C5H10	000563-46-2	38
5			Cyclopropane, octyl-	154	C11H22	001472-09-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

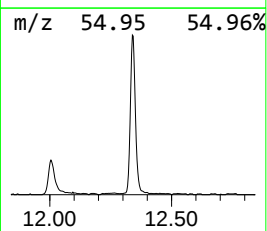
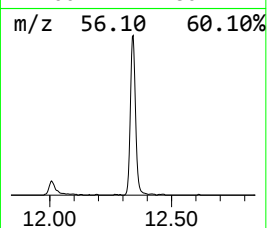
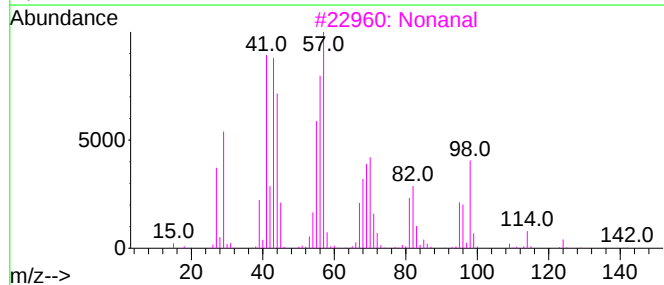
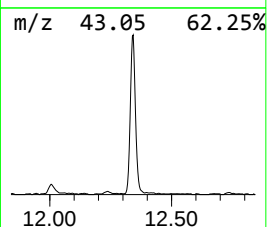
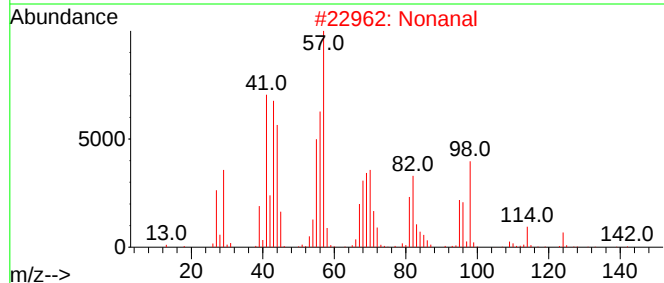
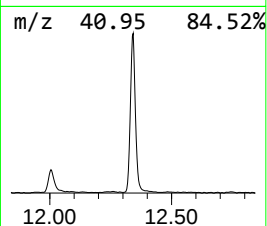
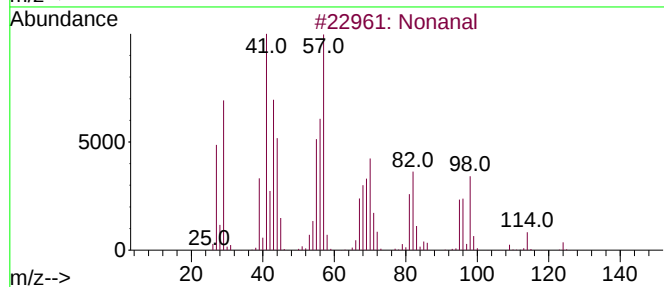
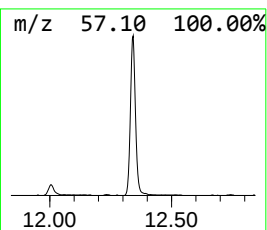
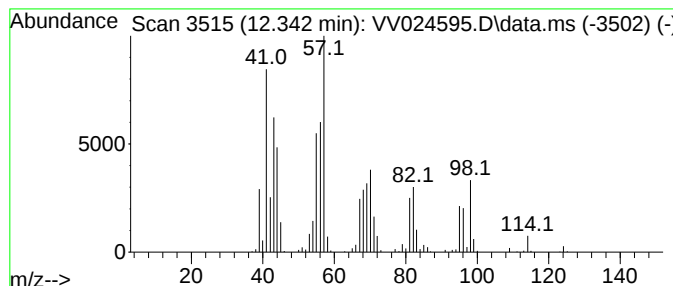
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 Nonanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.342	6.90 ug/L	537660	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	91
2			Nonanal	142	C9H18O	000124-19-6	91
3			Nonanal	142	C9H18O	000124-19-6	90
4			Nonanal	142	C9H18O	000124-19-6	90
5			Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024595.D
Acq On : 11 Feb 2022 11:25
Operator : SY/MD
Sample : N1476-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ3

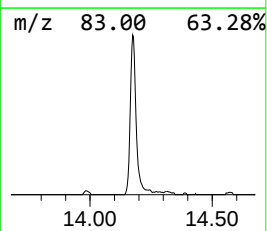
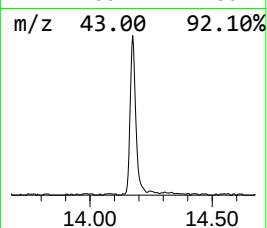
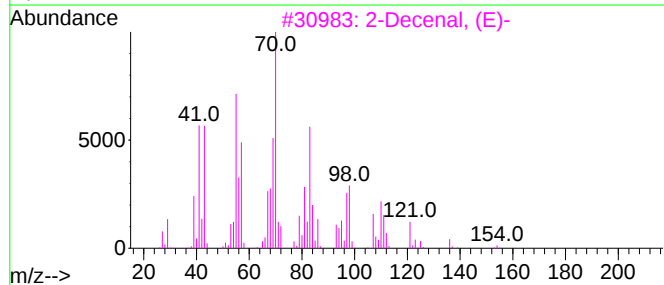
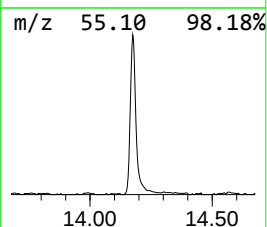
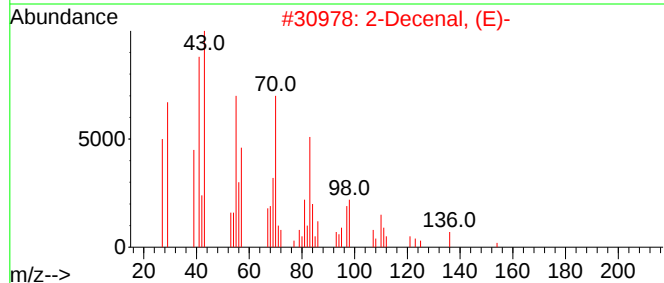
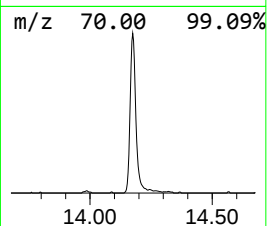
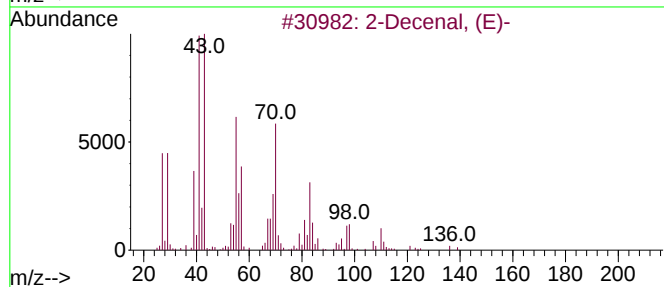
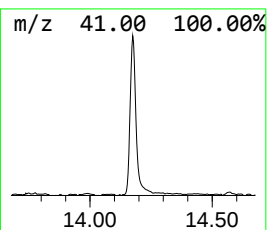
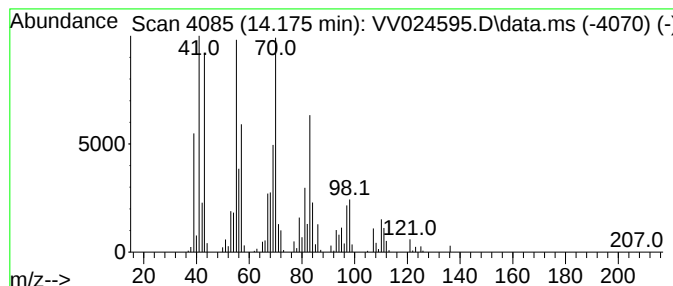
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 11 2-Decenal, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	4.48 ug/L	348897	1,4-Dichlorobenzene-d4	11.246

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-			154	C10H18O	003913-81-3	90
2	2-Decenal, (E)-			154	C10H18O	003913-81-3	80
3	2-Decenal, (E)-			154	C10H18O	003913-81-3	80
4	2-Dodecenal, (E)-			182	C12H22O	020407-84-5	64
5	Cyclopentane, 1,1,3,3-tetramethyl-			126	C9H18	050876-33-0	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021122\
 Data File : VW024595.D
 Acq On : 11 Feb 2022 11:25
 Operator : SY/MD
 Sample : N1476-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXZ3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	1.809	0.8	ug/L	44937	1	5.616	286828	5.0
Pentanal	6.281	2.9	ug/L	167625	1	5.616	286828	5.0
Hexanal	8.233	19.0	ug/L	1390770	2	8.850	366522	5.0
Heptanal	9.805	3.8	ug/L	276004	2	8.850	366522	5.0
Furan, 2-pentyl-	10.715	0.6	ug/L	44160	3	11.246	389676	5.0
2-Heptenal, (Z)-	10.757	0.6	ug/L	43420	3	11.246	389676	5.0
Octanal	11.146	6.9	ug/L	539644	3	11.246	389676	5.0
2-Octenal, (E)-	12.004	1.1	ug/L	87825	3	11.246	389676	5.0
Nonanal	12.342	6.9	ug/L	537660	3	11.246	389676	5.0
2-Decenal, (E)-	14.175	4.5	ug/L	348897	3	11.246	389676	5.0