

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
 Data File : VV030224.D
 Acq On : 16 Mar 2023 15:46
 Operator : SY/MD
 Sample : 01947-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB935

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\SFAMVTR022323WMA.M
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV030224.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	9	14	18	rBV	48520	43215	9.31%	0.831%
2	1.108	18	21	37	rVB	42276	48490	10.45%	0.933%
3	1.188	41	46	51	rBV	25186	20226	4.36%	0.389%
4	1.275	67	73	97	rVB	72886	93613	20.17%	1.801%
5	1.384	101	107	118	rVB	10779	13364	2.88%	0.257%
6	1.529	146	152	164	rVB	50986	61989	13.35%	1.193%
7	1.915	261	272	295	rBV	235384	384711	82.87%	7.402%
8	2.060	306	317	329	rBV	112201	167427	36.07%	3.221%
9	3.146	647	655	657	rBV5	31841	42347	9.12%	0.815%
10	3.233	675	682	696	rVB2	44789	88492	19.06%	1.703%
11	4.281	991	1008	1032	rVB2	66434	173240	37.32%	3.333%
12	4.600	1100	1107	1116	rVB9	2528	4895	1.05%	0.094%
13	4.979	1210	1225	1248	rBV3	155680	372212	80.18%	7.161%
14	5.153	1267	1279	1296	rVB4	8631	23057	4.97%	0.444%
15	5.555	1390	1404	1424	rBV	143891	304450	65.58%	5.858%
16	5.805	1468	1482	1498	rBV4	19983	48125	10.37%	0.926%
17	6.011	1532	1546	1565	rBV2	85167	183310	39.49%	3.527%
18	6.127	1570	1582	1598	rBV3	15157	35162	7.57%	0.677%
19	6.931	1819	1832	1848	rBV2	37438	73862	15.91%	1.421%
20	7.256	1914	1933	1951	rBV	169626	307866	66.32%	5.923%
21	7.571	2019	2031	2045	rBV2	23148	46814	10.08%	0.901%
22	7.712	2065	2075	2083	rBV5	5035	7990	1.72%	0.154%
23	7.889	2119	2130	2131	rBV9	6278	7819	1.68%	0.150%
24	8.056	2170	2182	2213	rBV	124749	309504	66.67%	5.955%
25	8.796	2401	2412	2434	rVV2	221904	464221	100.00%	8.931%
26	9.011	2470	2479	2484	rBV5	4236	6558	1.41%	0.126%
27	9.079	2484	2500	2512	rVB7	18686	42675	9.19%	0.821%
28	9.185	2514	2533	2551	rBV	215102	461667	99.45%	8.882%
29	9.426	2601	2608	2620	rVB	5636	12001	2.59%	0.231%
30	9.577	2642	2655	2672	rBV4	10426	27293	5.88%	0.525%
31	9.664	2672	2682	2690	rBV3	16863	24902	5.36%	0.479%
32	9.760	2701	2712	2719	rBV8	7464	13809	2.97%	0.266%
33	9.902	2742	2756	2767	rBV2	21602	43554	9.38%	0.838%
34	9.966	2767	2776	2784	rVB3	7811	13605	2.93%	0.262%
35	10.024	2784	2794	2801	rBV	60727	97275	20.95%	1.872%
36	10.133	2820	2828	2829	rBV2	11102	12303	2.65%	0.237%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
 Data File : VV030224.D
 Acq On : 16 Mar 2023 15:46
 Operator : SY/MD
 Sample : 01947-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB935

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\SFAMVTR022323WMA.M
 Title : TRACE VOA SFAM1.0

37	10.165	2830	2838	2853	rVB2	64540	112125	24.15%	2.157%
38	10.342	2883	2893	2905	rBV6	20849	40212	8.66%	0.774%
39	10.535	2947	2953	2963	rVB6	3864	6607	1.42%	0.127%
40	10.812	3029	3039	3049	rBV3	11079	18011	3.88%	0.347%
41	10.905	3059	3068	3080	rBV2	11928	19599	4.22%	0.377%
42	10.998	3090	3097	3105	rBV6	4157	6662	1.44%	0.128%
43	11.056	3107	3115	3119	rBV6	2846	4944	1.07%	0.095%
44	11.194	3144	3158	3174	rBV	256519	399356	86.03%	7.684%
45	11.313	3186	3195	3202	rBV4	11371	21195	4.57%	0.408%
46	11.358	3203	3209	3213	rBV7	5006	6101	1.31%	0.117%
47	11.435	3225	3233	3244	rBV2	41880	57884	12.47%	1.114%
48	11.500	3247	3253	3263	rVV10	4887	8672	1.87%	0.167%
49	11.571	3264	3275	3292	rVB	186643	316000	68.07%	6.080%
50	11.850	3353	3362	3368	rBV9	4958	7939	1.71%	0.153%
51	12.207	3463	3473	3480	rBV5	8308	13703	2.95%	0.264%
52	12.243	3480	3484	3496	rVB5	4943	7469	1.61%	0.144%
53	12.493	3554	3562	3569	rBV9	6906	10558	2.27%	0.203%
54	12.632	3593	3605	3615	rBV2	19709	37620	8.10%	0.724%
55	13.995	4022	4029	4041	rVB	5228	10513	2.26%	0.202%
56	14.255	4104	4110	4116	rBV10	3493	5257	1.13%	0.101%
57	15.410	4462	4469	4475	rBV10	3706	5109	1.10%	0.098%

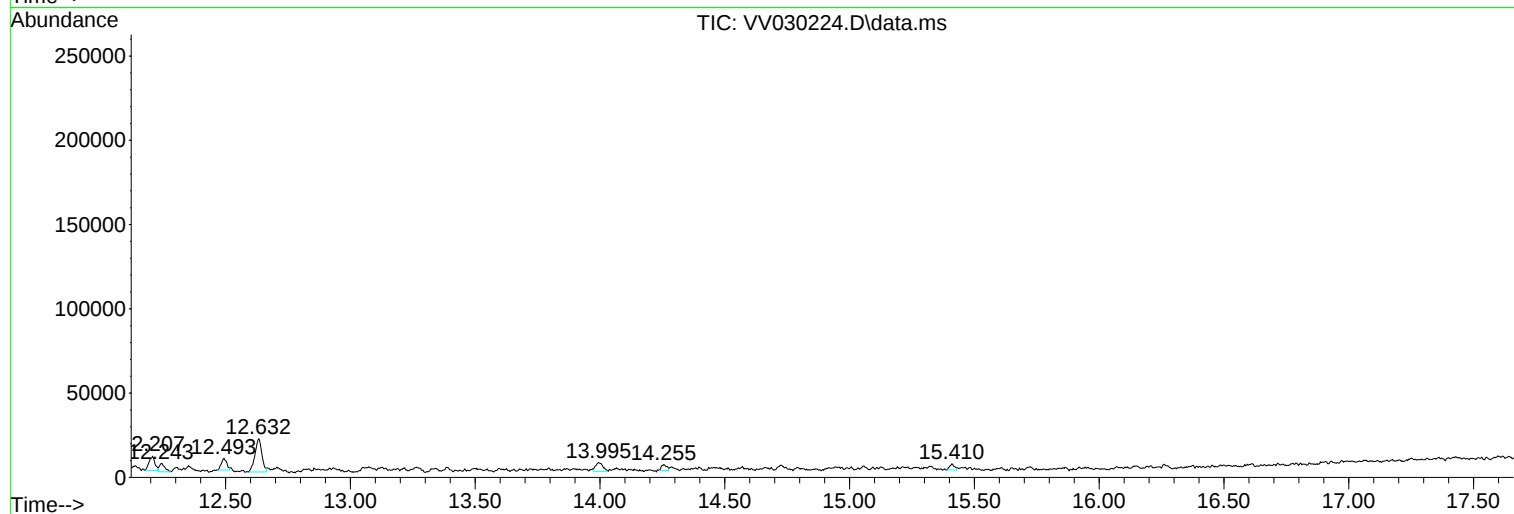
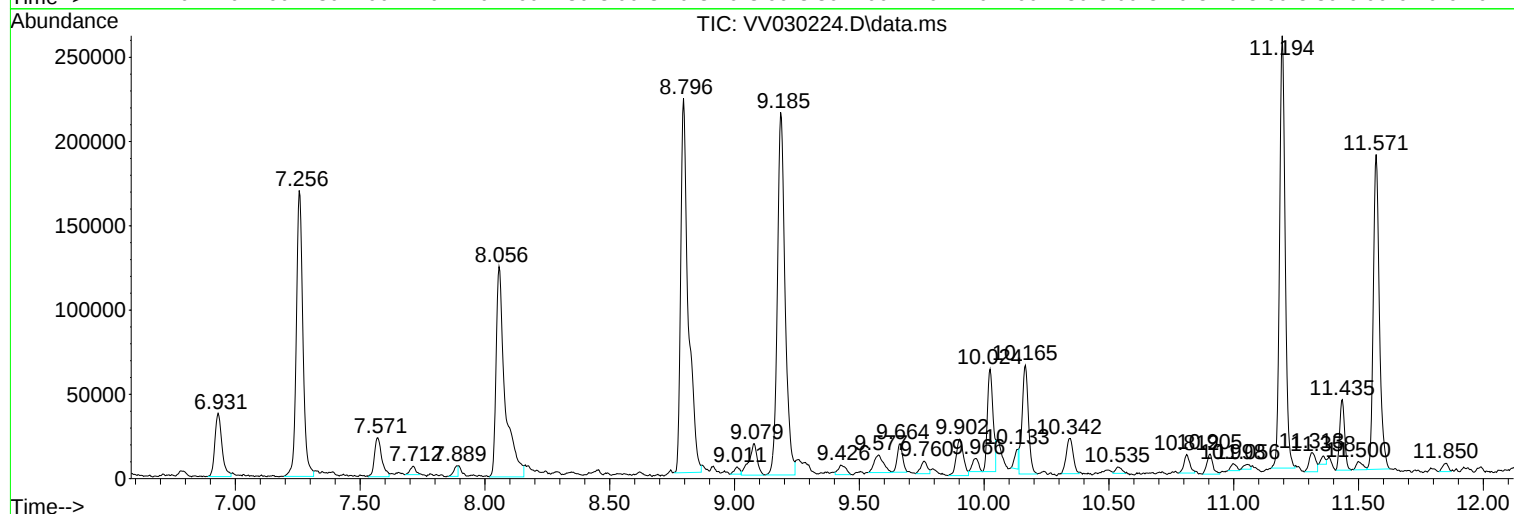
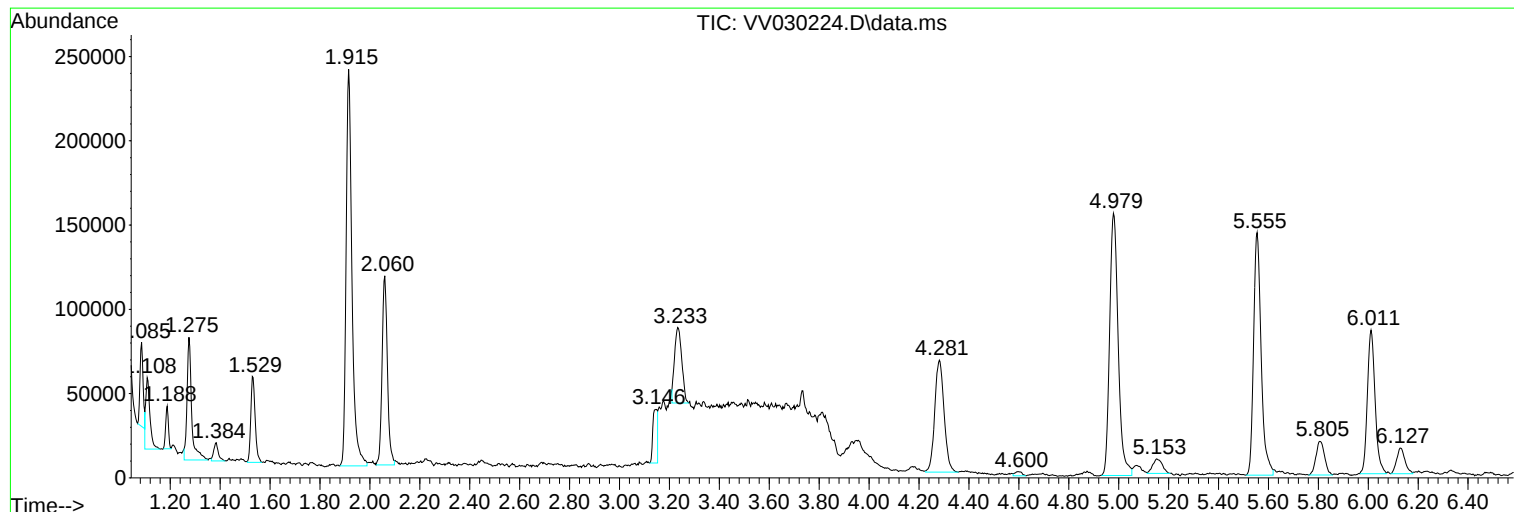
Sum of corrected areas: 5197579

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.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\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

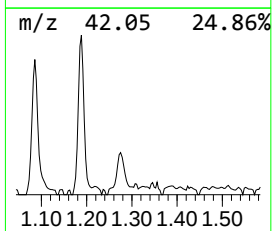
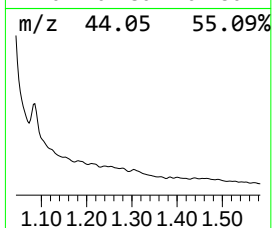
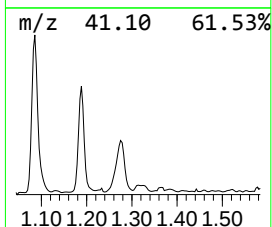
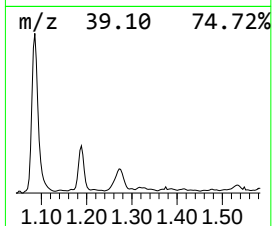
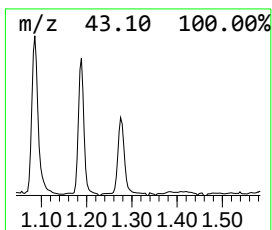
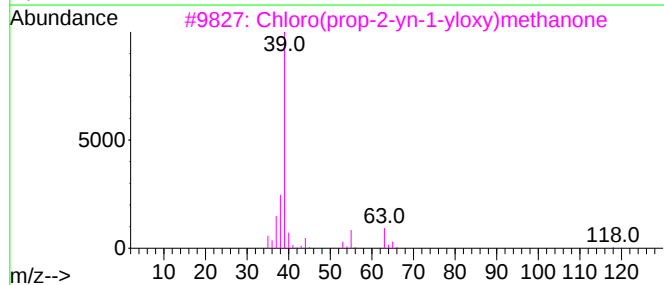
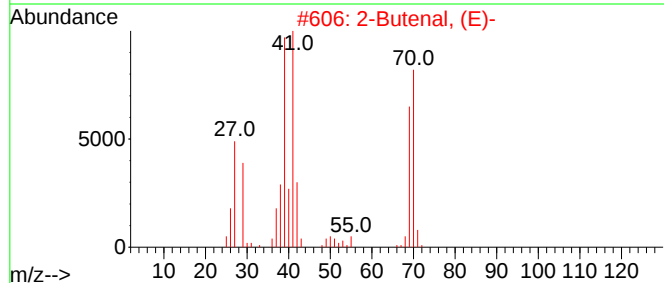
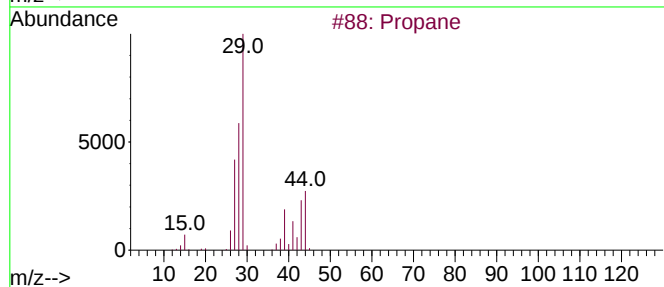
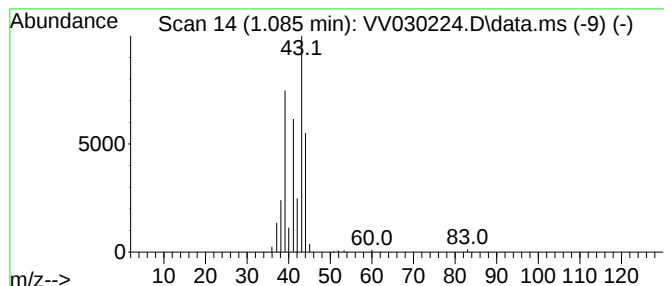
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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.
1.085	0.71 ug/L	43215	1,4-Difluorobenzene	5.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane	44	C3H8	000074-98-6	43
2			2-Butenal, (E)-	70	C4H6O	000123-73-9	40
3			Chloro(prop-2-yn-1-yloxy)methanone	118	C4H3ClO2	035718-08-2	39
4			Propene	42	C3H6	000115-07-1	9
5			Propane	44	C3H8	000074-98-6	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

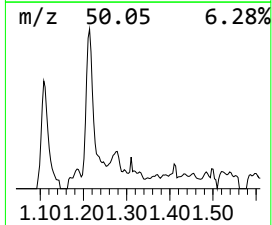
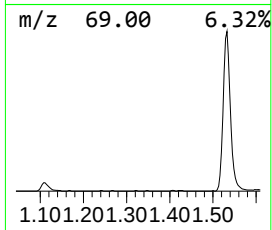
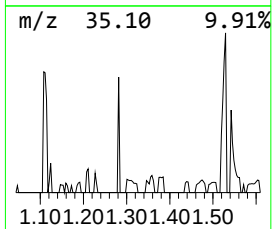
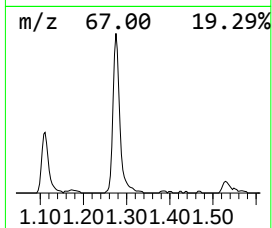
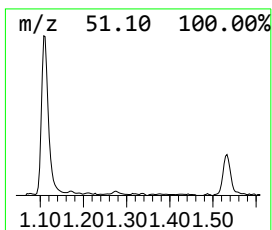
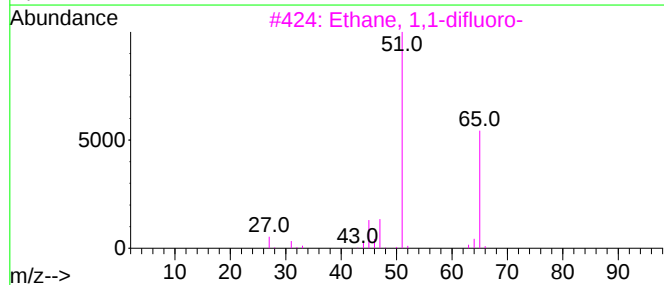
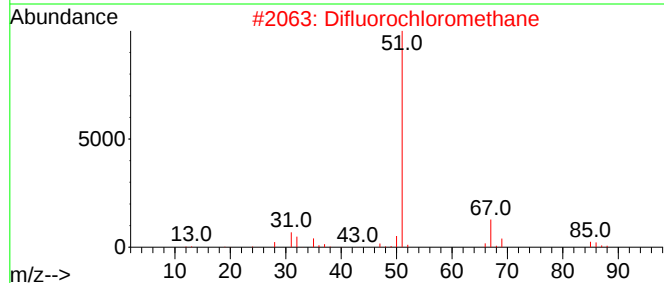
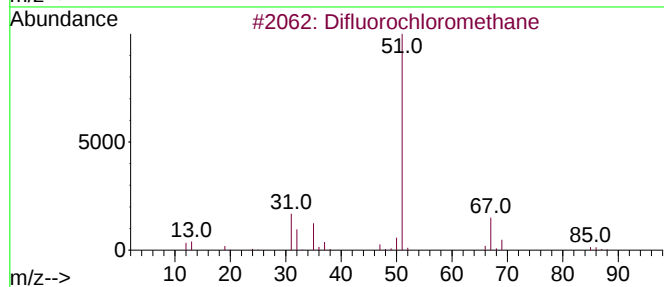
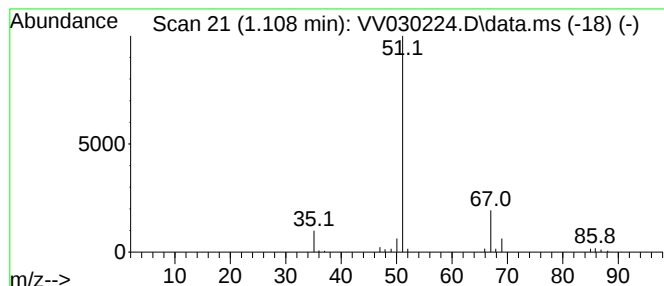
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 2 Difluorochloromethane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.108	0.80 ug/L	48490	1,4-Difluorobenzene	5.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Difluorochloromethane	86	CHClF2	000075-45-6	90
2			Difluorochloromethane	86	CHClF2	000075-45-6	78
3			Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	5
4			Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	5
5			Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

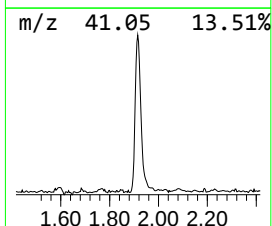
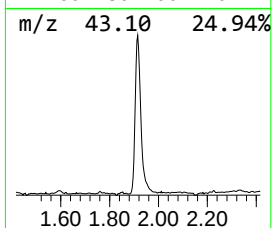
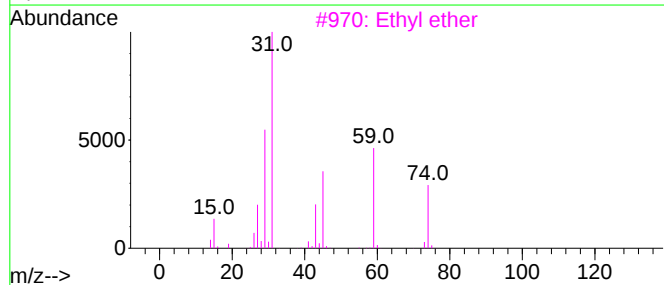
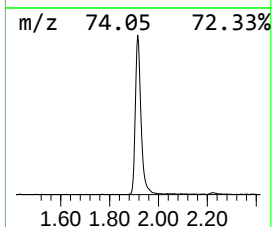
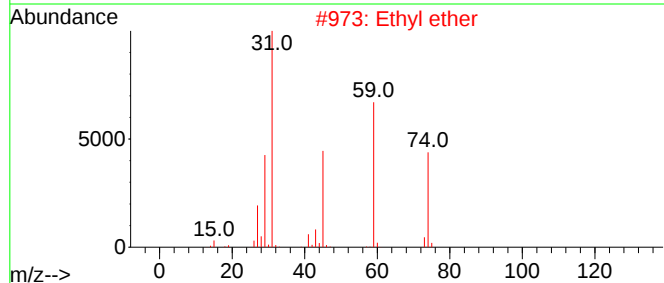
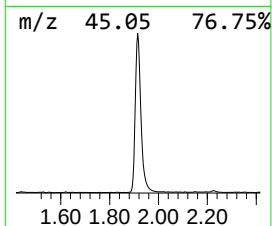
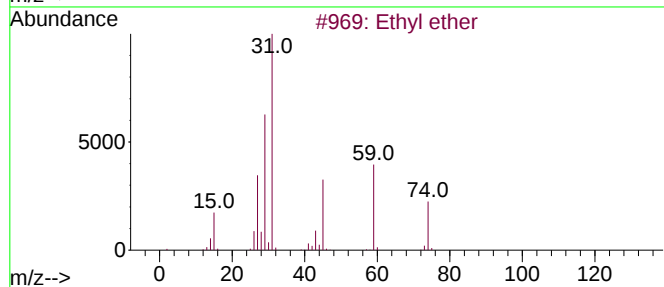
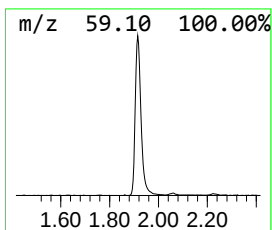
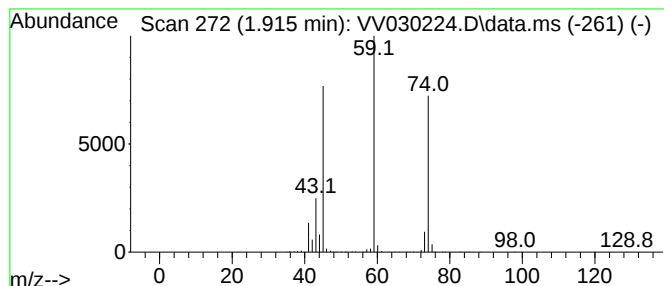
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 3 Ethyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.915	6.32 ug/L	384711	1,4-Difluorobenzene	5.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether			74	C4H10O	000060-29-7	90
2	Ethyl ether			74	C4H10O	000060-29-7	90
3	Ethyl ether			74	C4H10O	000060-29-7	83
4	Ethyl ether			74	C4H10O	000060-29-7	78
5	Ethyl ether			74	C4H10O	000060-29-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

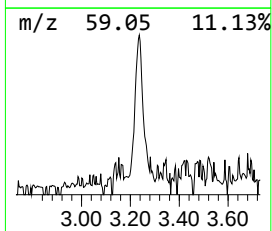
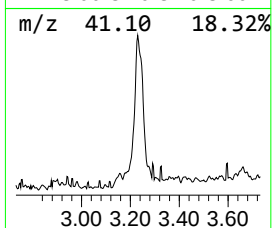
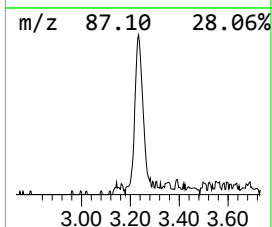
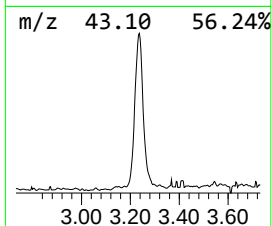
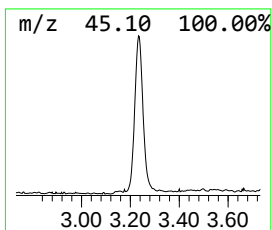
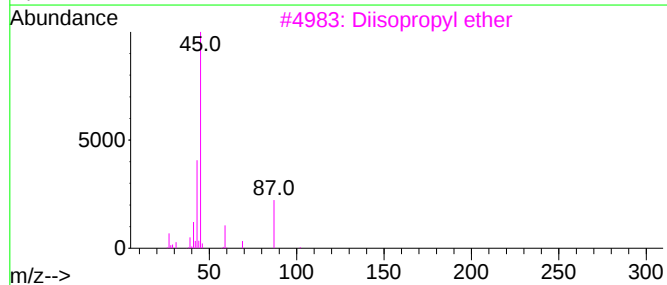
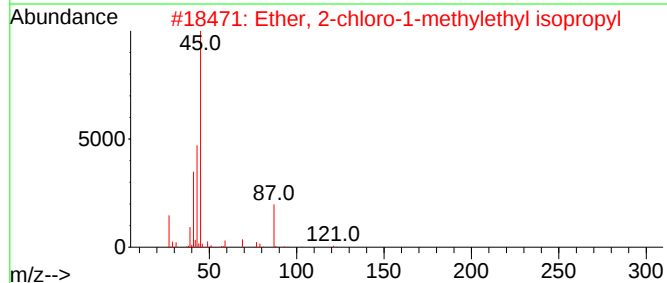
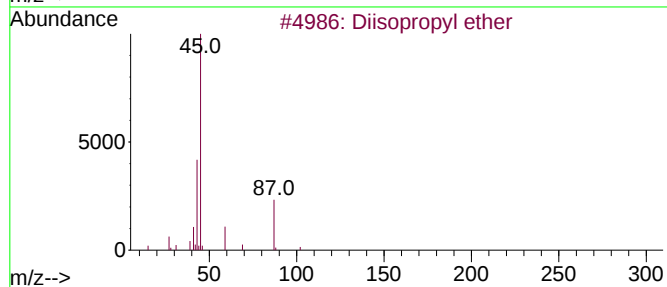
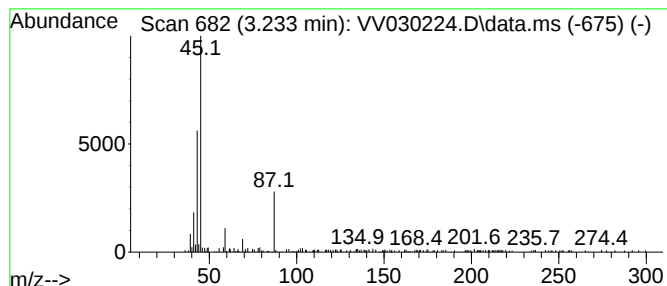
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 5 Diisopropyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.233	1.45 ug/L	88492	1,4-Difluorobenzene	5.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diisopropyl ether	102	C6H14O	000108-20-3	80
2			Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	72
3			Diisopropyl ether	102	C6H14O	000108-20-3	72
4			Diisopropyl ether	102	C6H14O	000108-20-3	59
5			Diisopropyl ether	102	C6H14O	000108-20-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

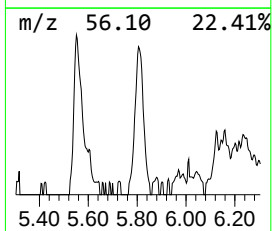
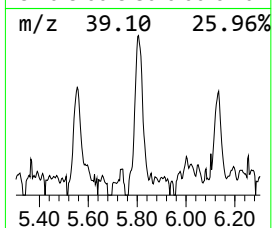
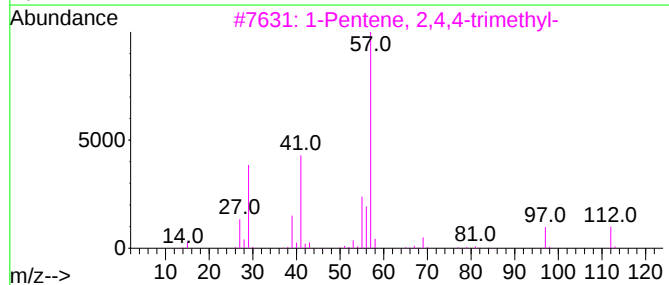
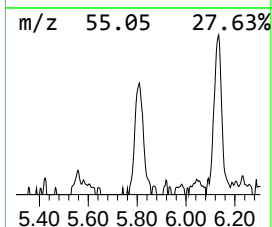
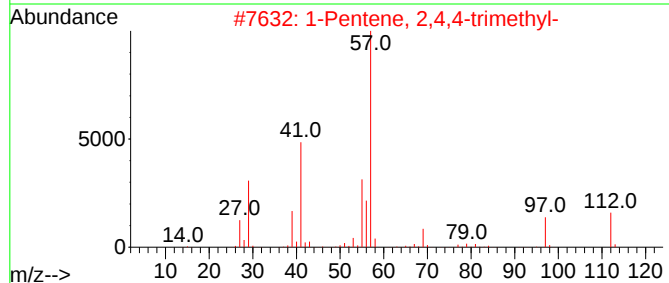
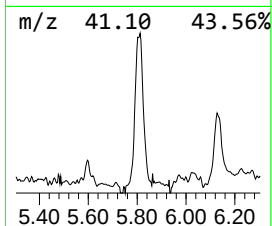
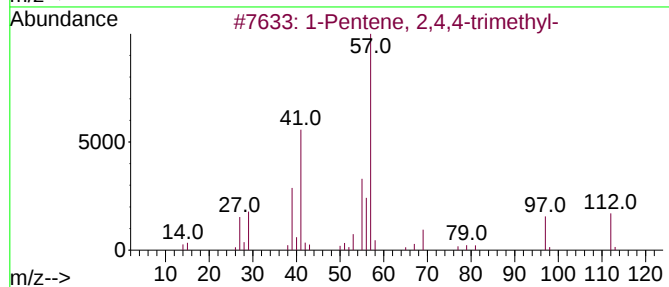
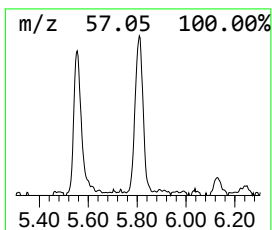
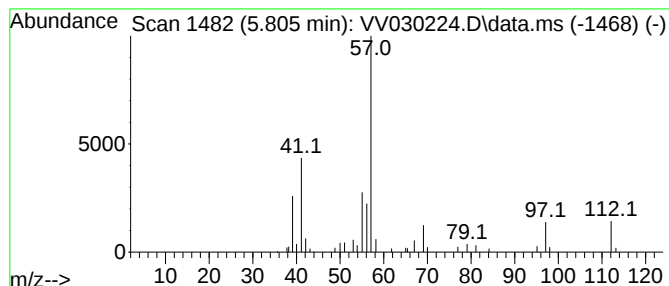
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.805	0.79 ug/L	48125	1,4-Difluorobenzene	5.555

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	90
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
4		Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	59
5		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

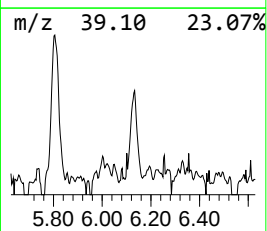
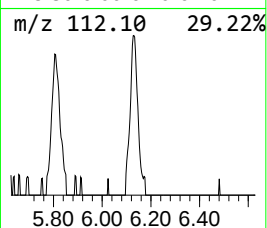
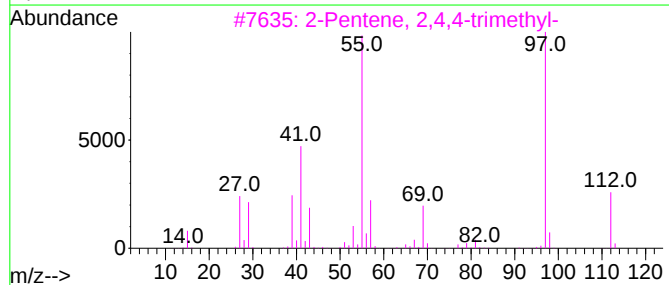
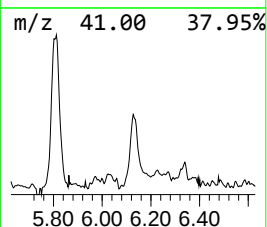
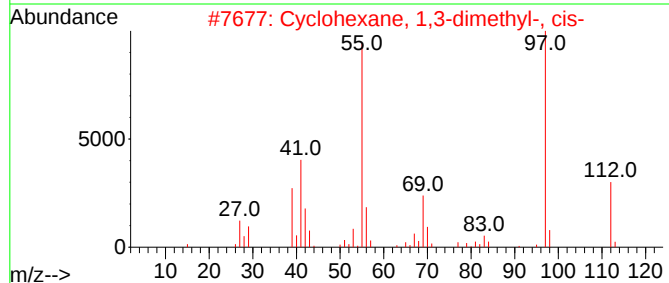
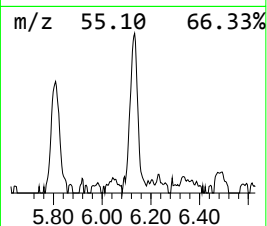
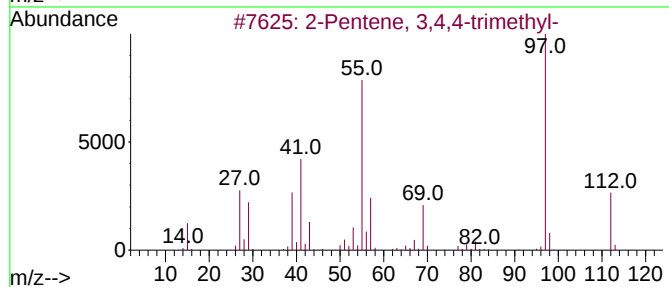
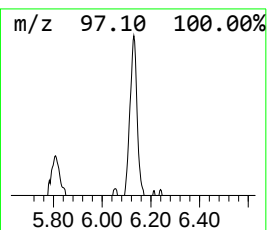
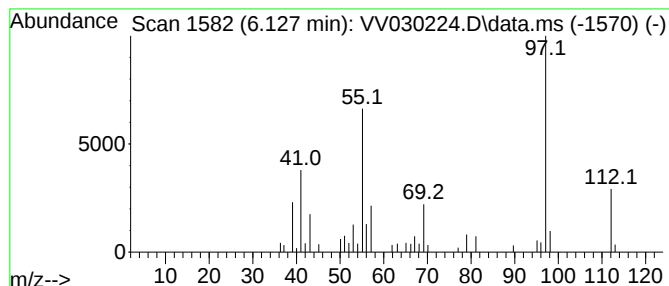
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.127	0.58 ug/L	35162	1,4-Difluorobenzene	5.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	90
2	Cyclohexane, 1,3-dimethyl-, cis-			112	C8H16	000638-04-0	87
3	2-Pentene, 2,4,4-trimethyl-			112	C8H16	000107-40-4	83
4	2-Pentene, 3,4,4-trimethyl-			112	C8H16	000598-96-9	83
5	Z-3,4,4-Trimethyl-2-pentene			112	C8H16	039761-64-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

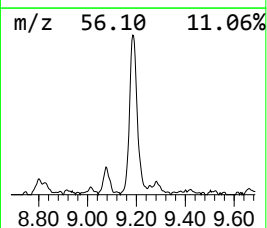
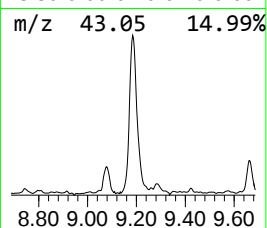
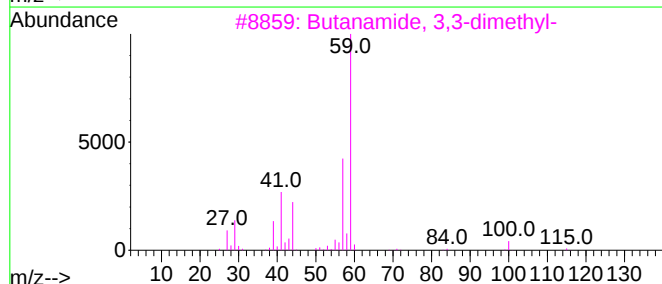
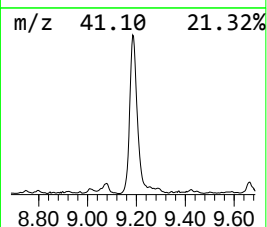
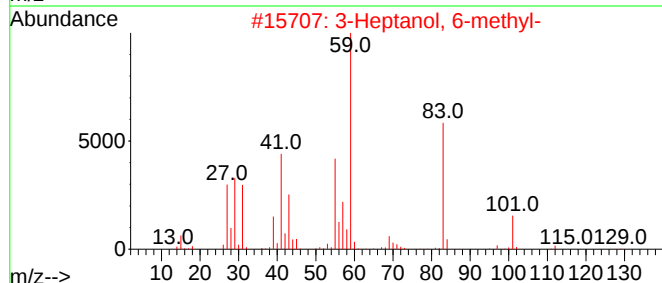
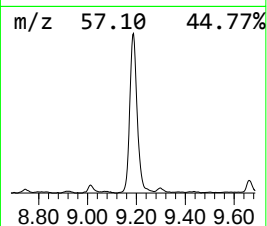
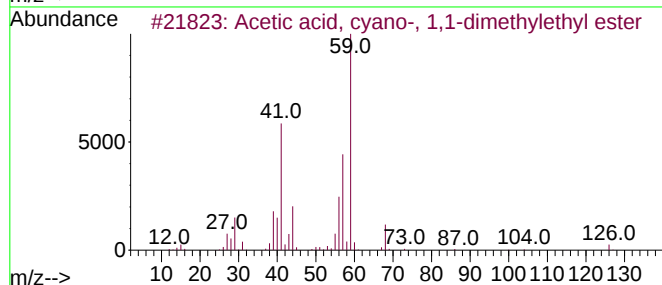
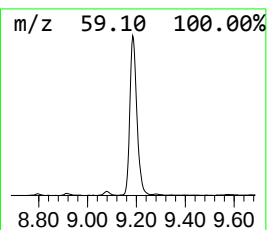
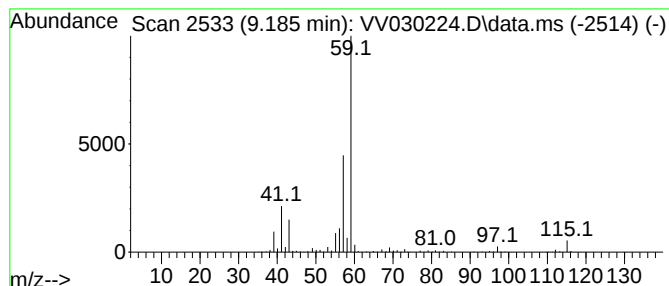
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 9 Acetic acid, cyano-, 1,1-di... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.185	4.97 ug/L	461667	Chlorobenzene-d5	8.796

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	59
2			3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	43
3			Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	39
4			4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	39
5			2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

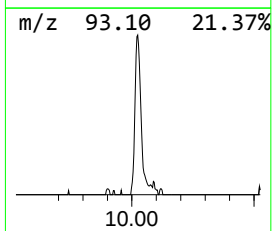
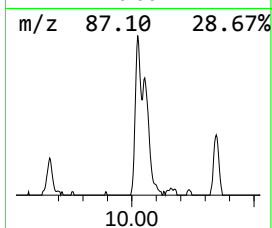
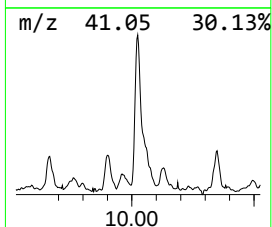
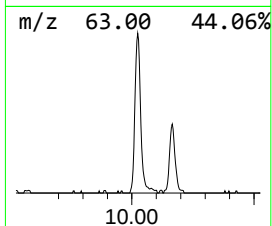
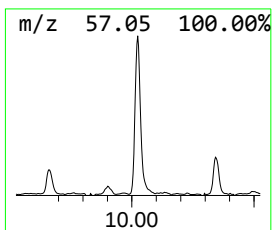
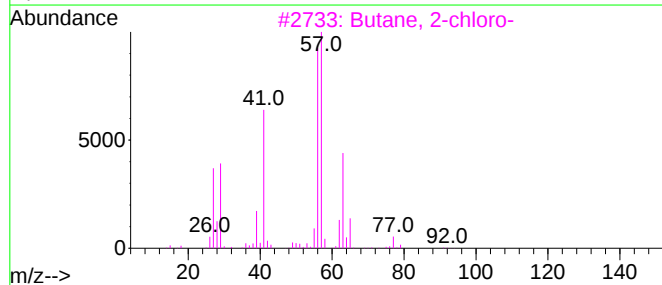
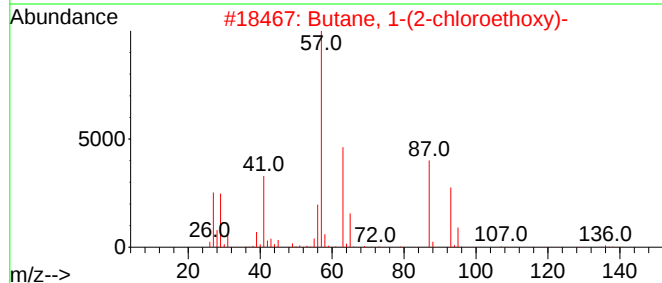
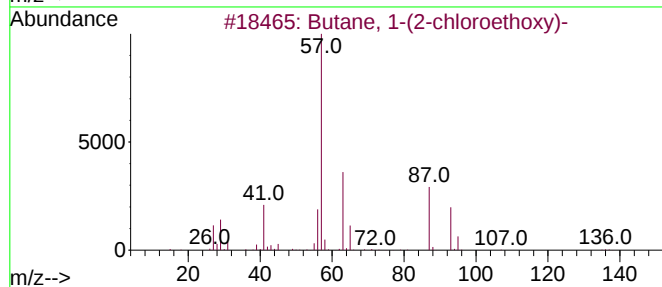
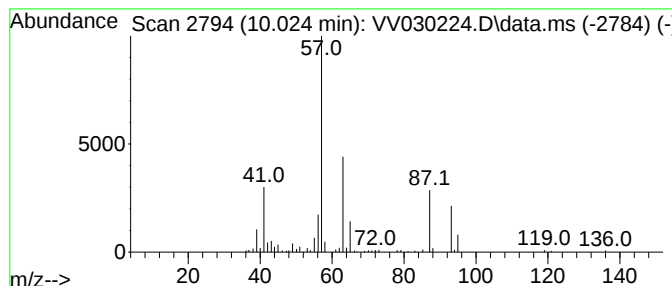
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 10 Butane, 1-(2-chloroethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.024	1.22 ug/L	97275	1,4-Dichlorobenzene-d4	11.194

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 1-(2-chloroethoxy)-	136	C6H13ClO	010503-96-5	91
2			Butane, 1-(2-chloroethoxy)-	136	C6H13ClO	010503-96-5	91
3			Butane, 2-chloro-	92	C4H9Cl	000078-86-4	45
4			Butane, 2-chloro-	92	C4H9Cl	000078-86-4	38
5			Carbonic acid, dibutyl ester	174	C9H18O3	000542-52-9	36



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

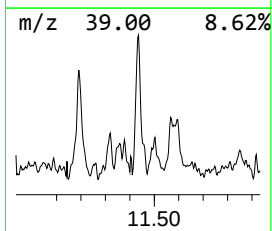
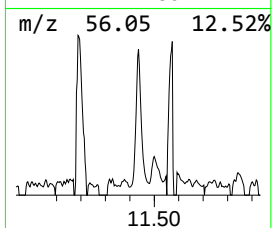
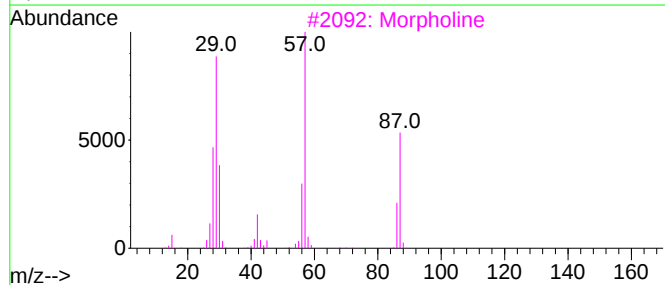
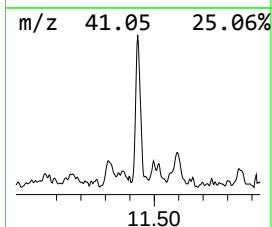
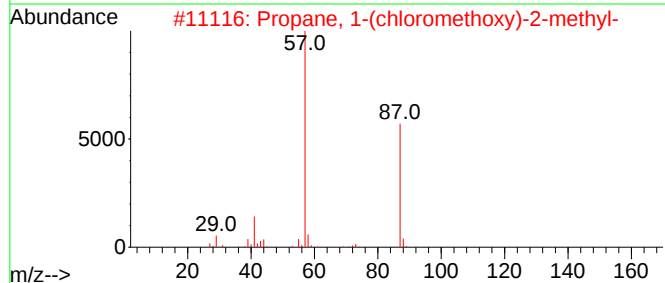
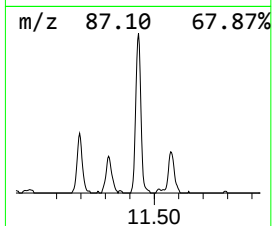
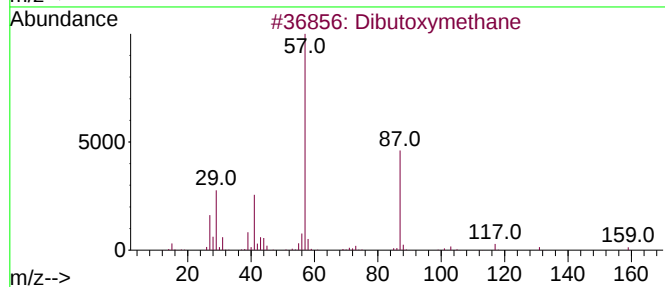
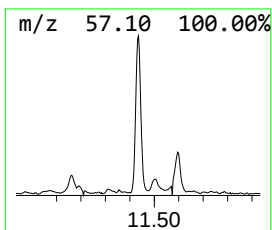
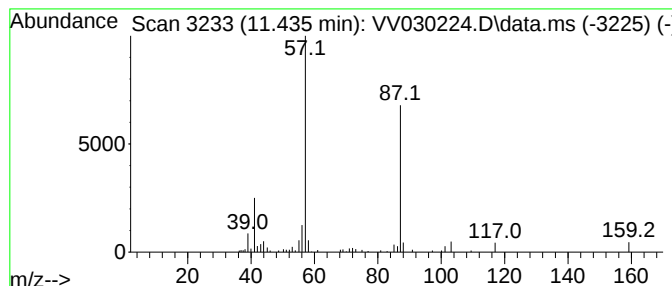
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0

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

Peak Number 12 Dibutoxymethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.435	0.72 ug/L	57884	1,4-Dichlorobenzene-d4	11.194

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibutoxymethane	160	C9H20O2	002568-90-3	56
2			Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	50
3			Morpholine	87	C4H9NO	000110-91-8	40
4			Ethyl acetoacetate ethylene acetal	174	C8H14O4	006413-10-1	38
5			2-[2-[2-(2-(2-Butoxyethoxy)ethox...	336	C16H32O7	1000351-94-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031623\
Data File : VV030224.D
Acq On : 16 Mar 2023 15:46
Operator : SY/MD
Sample : 01947-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB935

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.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...	1.085	0.7	ug/L	43215	1	5.555	304450	5.0
Difluorochlorom...	1.108	0.8	ug/L	48490	1	5.555	304450	5.0
Ethyl ether	1.915	6.3	ug/L	384711	1	5.555	304450	5.0
Benzaldehyde, 2...	3.146	0.7	ug/L	42347	1	5.555	304450	5.0
Diisopropyl ether	3.233	1.5	ug/L	88492	1	5.555	304450	5.0
(DEL) Alkane: S...	5.805	0.8	ug/L	48125	1	5.555	304450	5.0
(DEL) Alkane: S...	6.127	0.6	ug/L	35162	1	5.555	304450	5.0
Acetic acid, cy...	9.185	5.0	ug/L	461667	2	8.796	464221	5.0
Butane, 1-(2-ch...	10.024	1.2	ug/L	97275	3	11.194	399356	5.0
Dibutoxymethane	11.435	0.7	ug/L	57884	3	11.194	399356	5.0