LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

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\SFAMUTR021622WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU047161.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.363	3	7	28	rVB	821516	822654	8.08%	2.975%
2	1.594	69	79	91	rBV3	366686	619142	6.08%	2.239%
3	1.919	169	180	197	rBV2	84721	128311	1.26%	0.464%
4	2.215	263	272	293	rVB4	49351	105339	1.04%	0.381%
5	2.575	369	384	399	rBV3	189713	364780	3.58%	1.319%
6	4.671	1016	1036	1077	rBV2	418680	1072266	10.54%	3.878%
7	5.070	1145	1160	1184	rVB	135178	314174	3.09%	1.136%
8	5.729	1343	1365	1394	rBV2	277634	731414	7.19%	2.645%
9	6.253	1514	1528	1550	rBV	224233	431610	4.24%	1.561%
10	6.546	1602	1619	1651	rBV	5448072	10175298	100.00%	36.802%
11	6.694	1653	1665	1687	rVB	174436	360146	3.54%	1.303%
12	6.883	1712	1724	1737	rBV	60860	115049	1.13%	0.416%
13	7.568	1922	1937	1955	rBV	100790	173725	1.71%	0.628%
14	7.899	2025	2040	2055	rBV	357343	647503	6.36%	2.342%
15	8.555	2230	2244	2260	rBV	3145230	5413203	53.20%	19.578%
16	8.636	2260	2269	2305	rVV	399472	877277	8.62%	3.173%
17	8.787	2305	2316	2356	rVB	550147	995518	9.78%	3.601%
18	9.420	2495	2513	2540	rBV	324641	570283	5.60%	2.063%
19	10.343	2787	2800	2825	rVB	139768	234350	2.30%	0.848%
20	10.758	2918	2929	2949	rBV	128763	215163	2.11%	0.778%
21	11.256	3074	3084	3091	rBV	73680	112878	1.11%	0.408%
22	11.687	3206	3218	3232	rBV	330235	493598	4.85%	1.785%
23	11.812	3244	3257	3274	rVB	406160	652311	6.41%	2.359%
24	12.195	3364	3376	3389	rBV	356038	578468	5.69%	2.092%
25	12.545	3473	3485	3501	rBV3	62572	115339	1.13%	0.417%
26	12.886	3578	3591	3627	rVB	677677	987378	9.70%	3.571%
27	14.735	4154	4166	4192	rBV	214344	341572	3.36%	1.235%

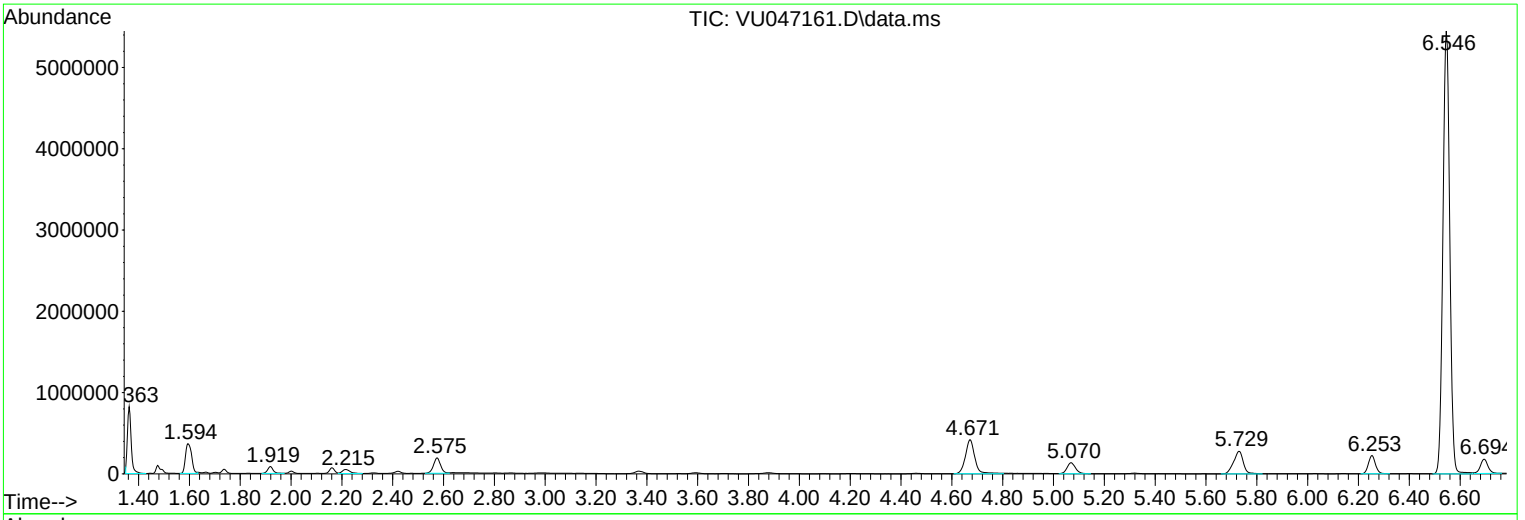
Sum of corrected areas: 27648749

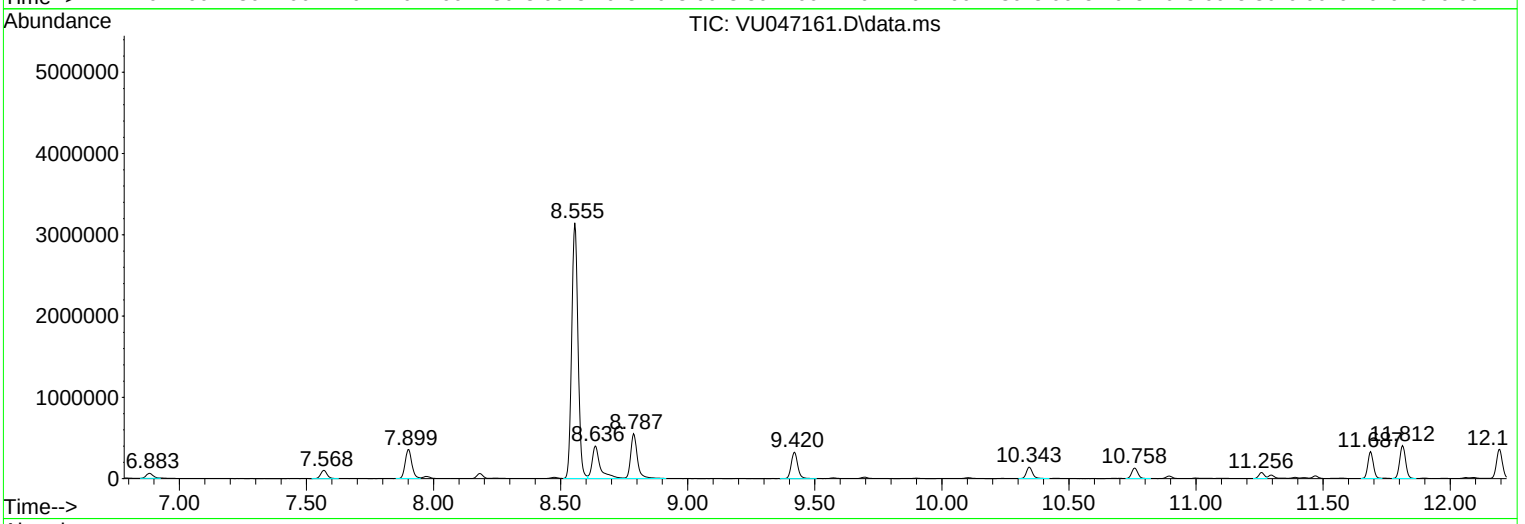
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

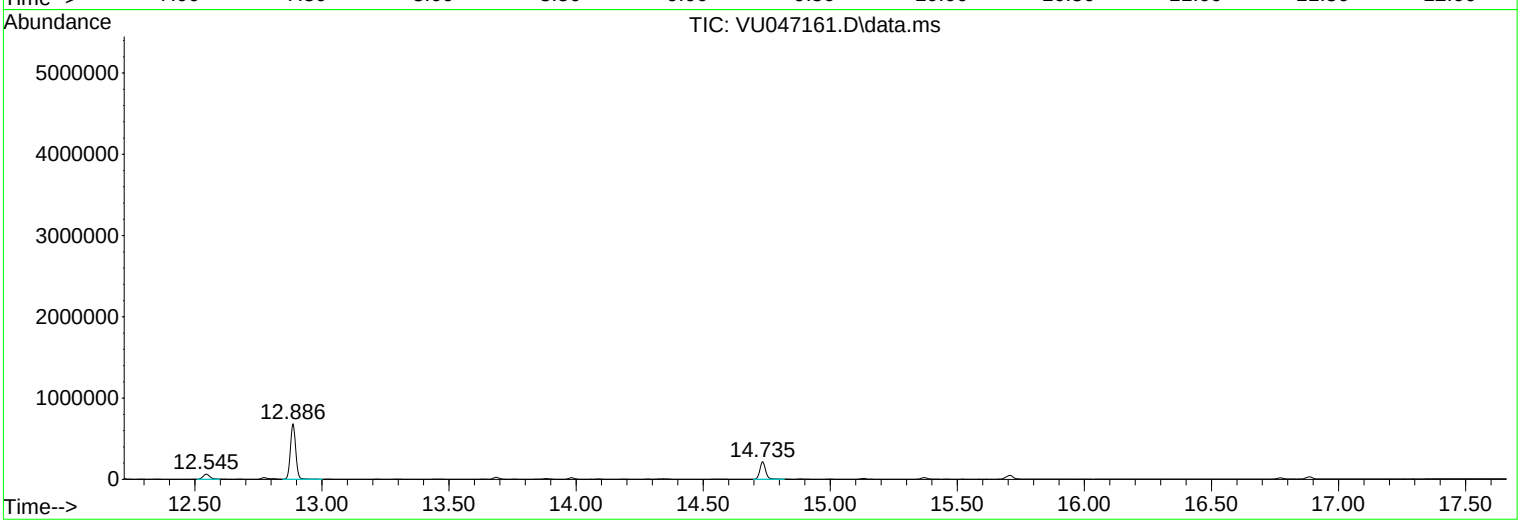
Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

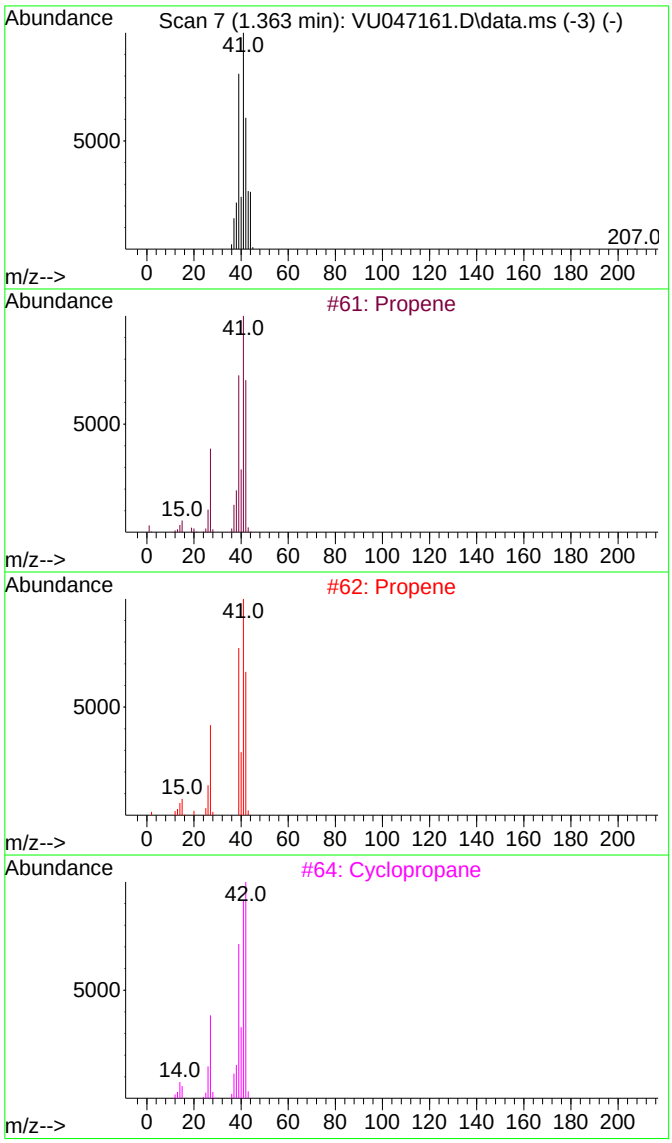
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

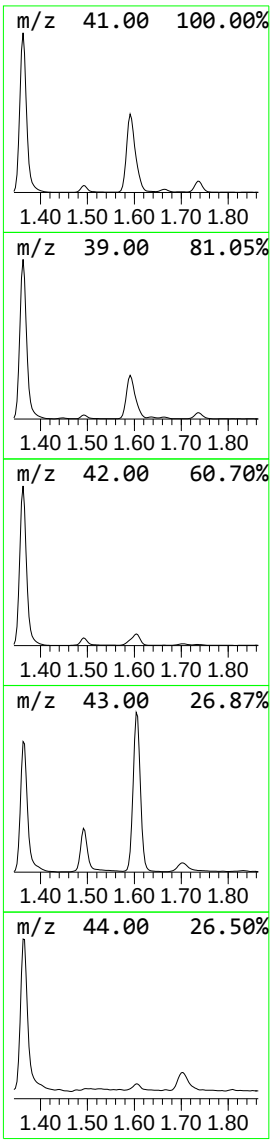
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.363	9.53 ug/L	822654	1,4-Difluorobenzene	6.253

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

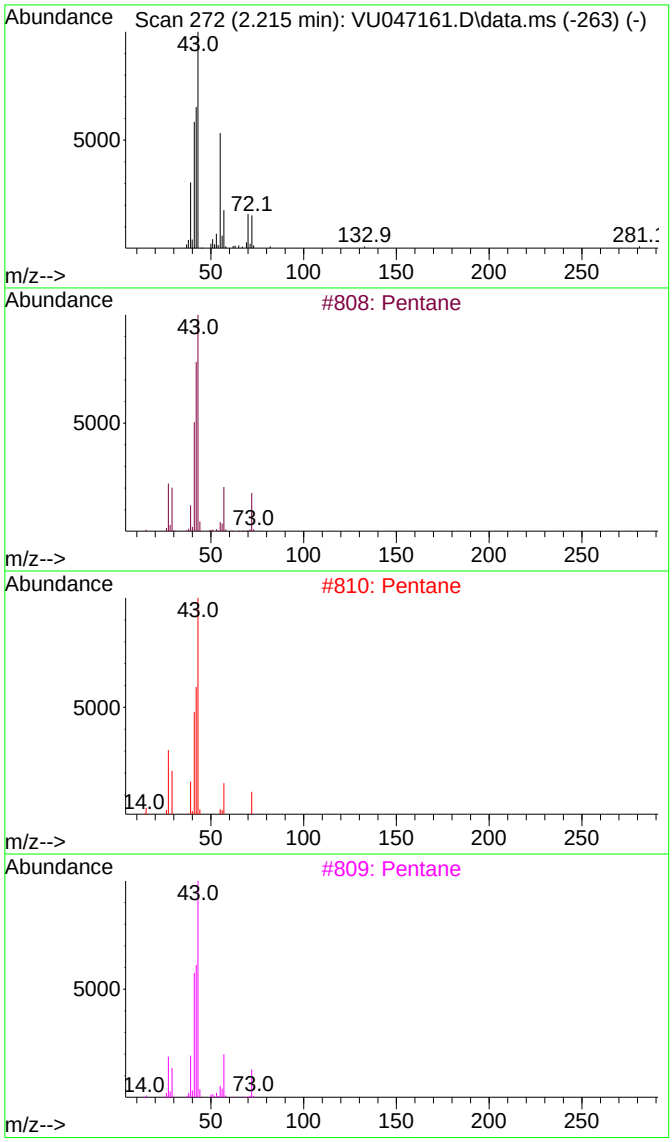
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

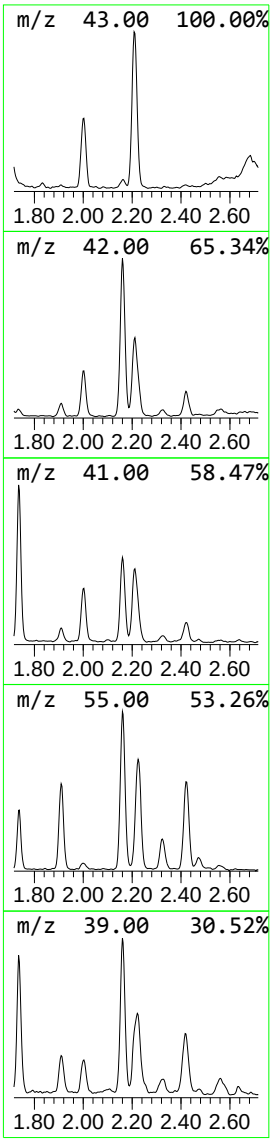
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.215	1.22 ug/L	105339	1,4-Difluorobenzene	6.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	64
3	Pentane	72	C5H12	000109-66-0	64
4	Pentane	72	C5H12	000109-66-0	59
5	Pentane	72	C5H12	000109-66-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

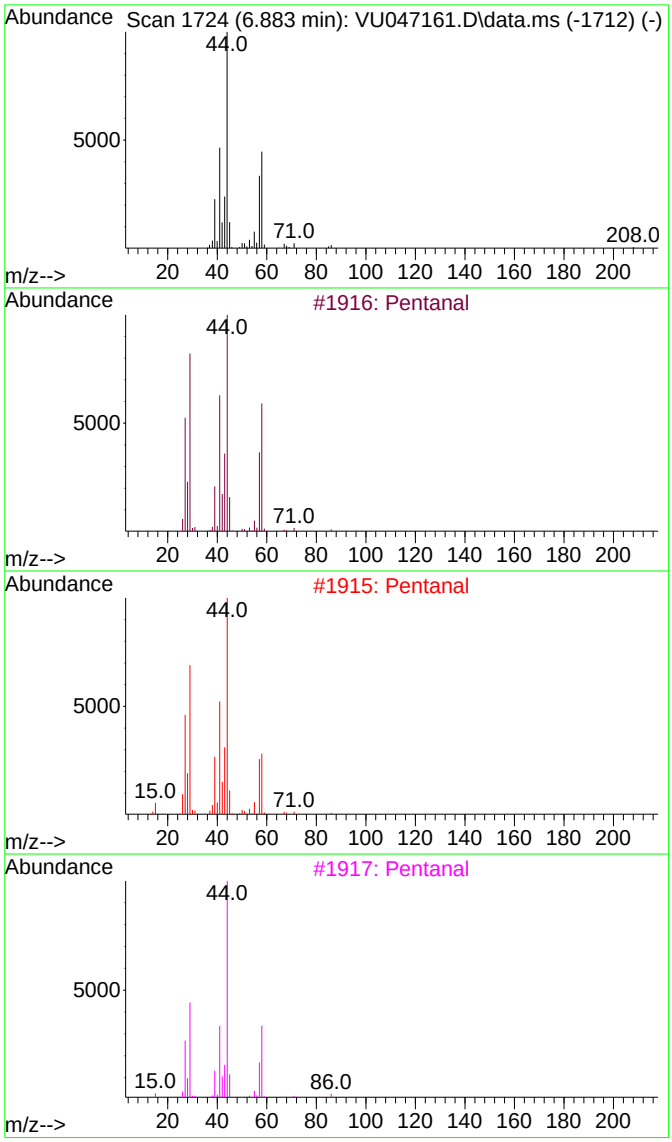
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

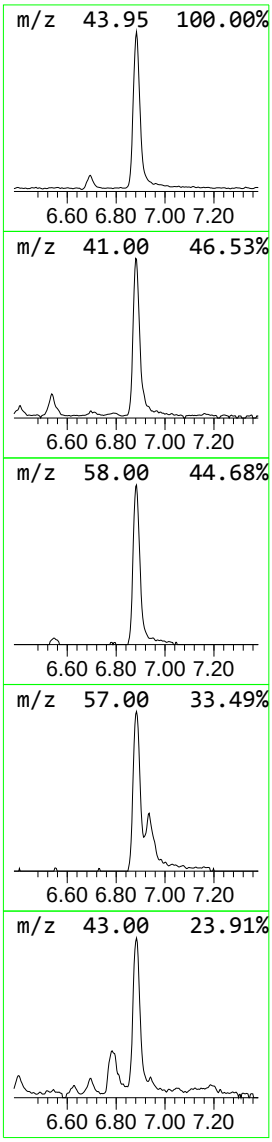
****

Peak Number 3 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.883	1.33 ug/L	115049	1,4-Difluorobenzene	6.253

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	Pentanal	86	C5H10O	000110-62-3	83
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
5	Pentanal	86	C5H10O	000110-62-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

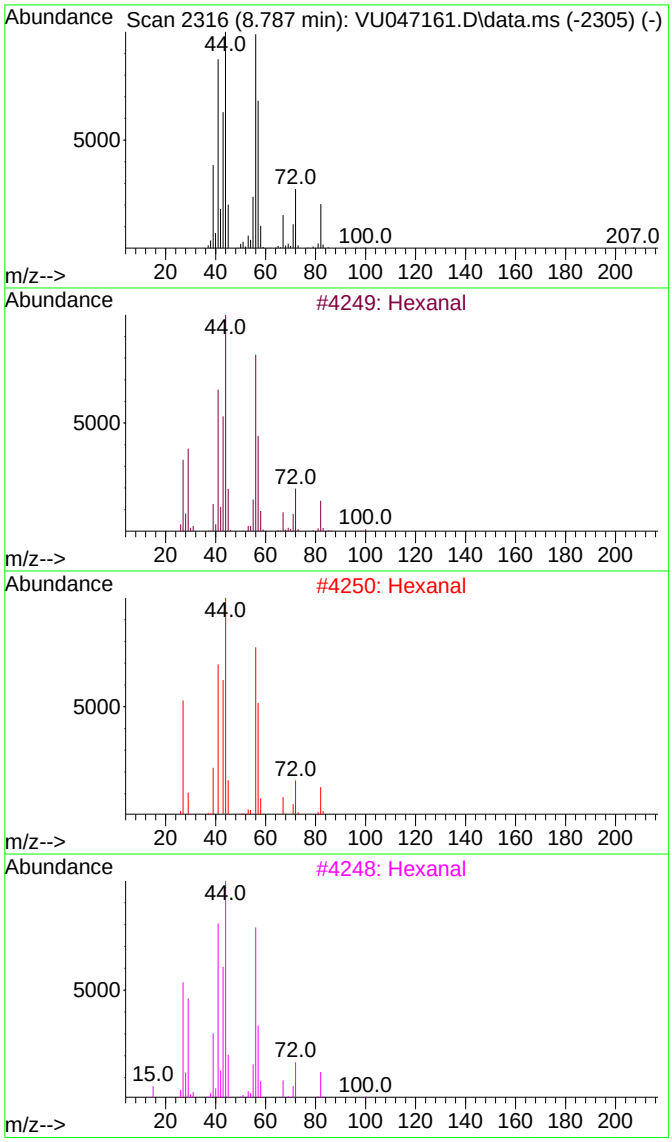
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

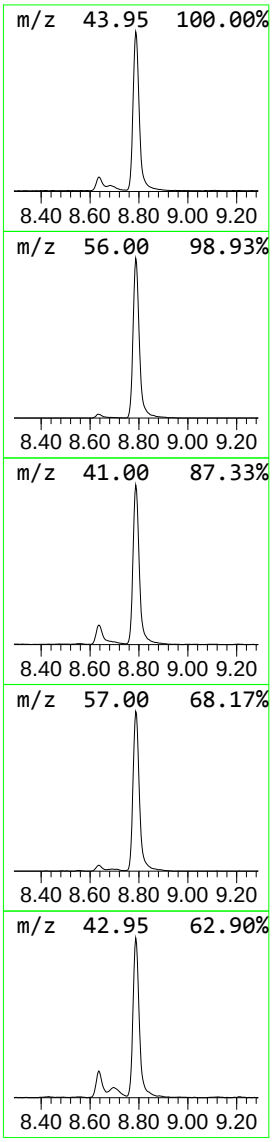
****

Peak Number 5 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.787	8.73 ug/L	995518	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	72
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	64
5	Hexanal	100	C6H12O	000066-25-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

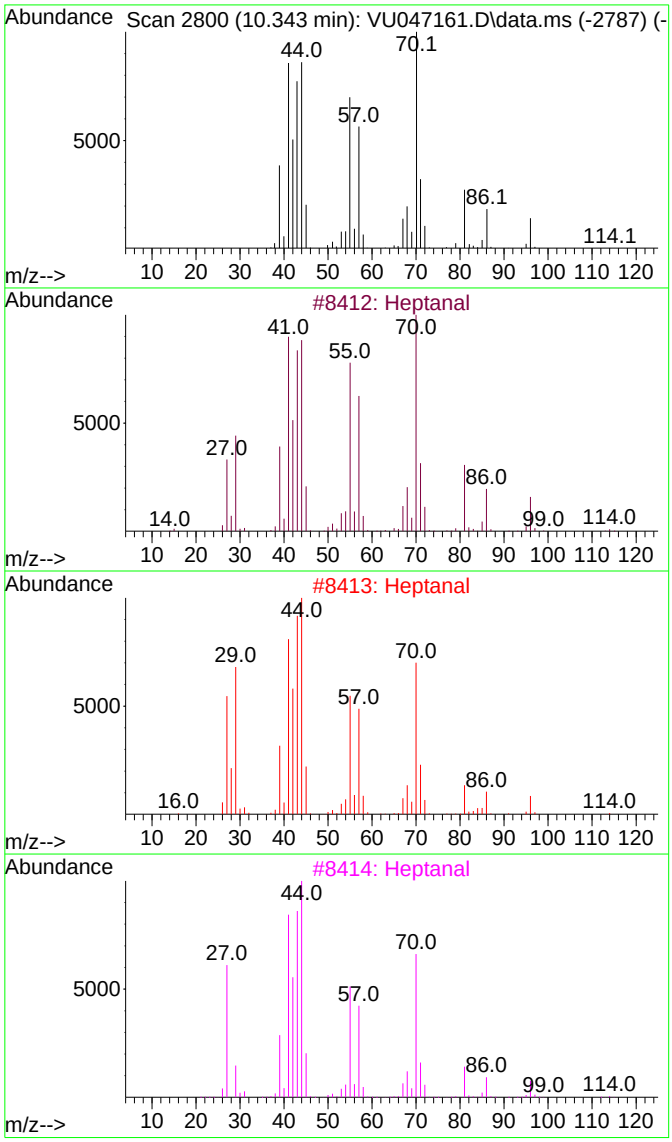
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

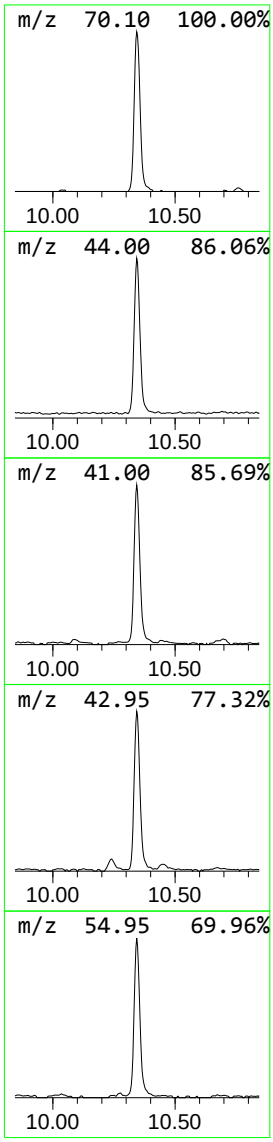
****

Peak Number 6 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.343	2.05 ug/L	234350	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	97
2	Heptanal	114	C7H14O	000111-71-7	95
3	Heptanal	114	C7H14O	000111-71-7	94
4	Heptanal	114	C7H14O	000111-71-7	93
5	Heptanal	114	C7H14O	000111-71-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

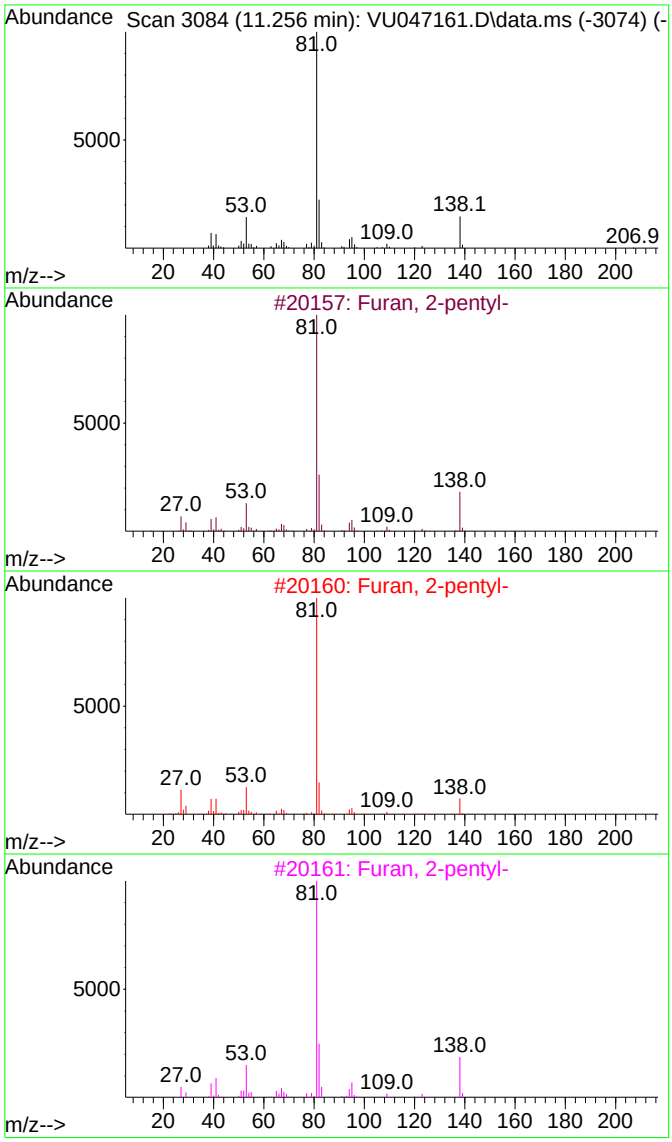
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

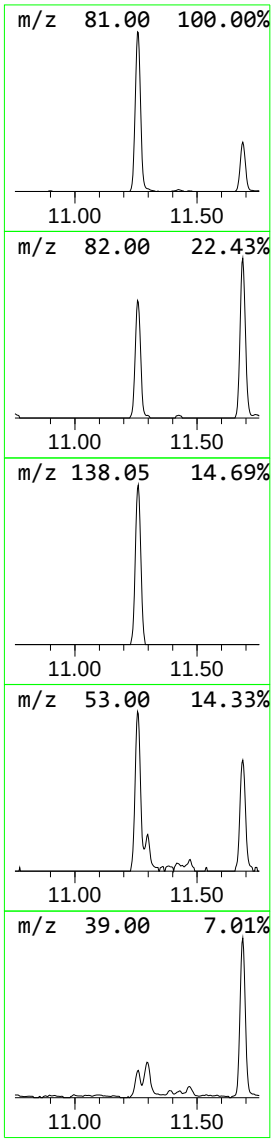
****

Peak Number 7 Furan, 2-pentyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.256	0.87 ug/L	112878	1,4-Dichlorobenzene-d4	11.812

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	87
3	Furan, 2-pentyl-	138	C9H14O	003777-69-3	78
4	2-n-Butyl furan	124	C8H12O	004466-24-4	42
5	Cyclohexene, 4-bromo-	160	C6H9Br	003540-84-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

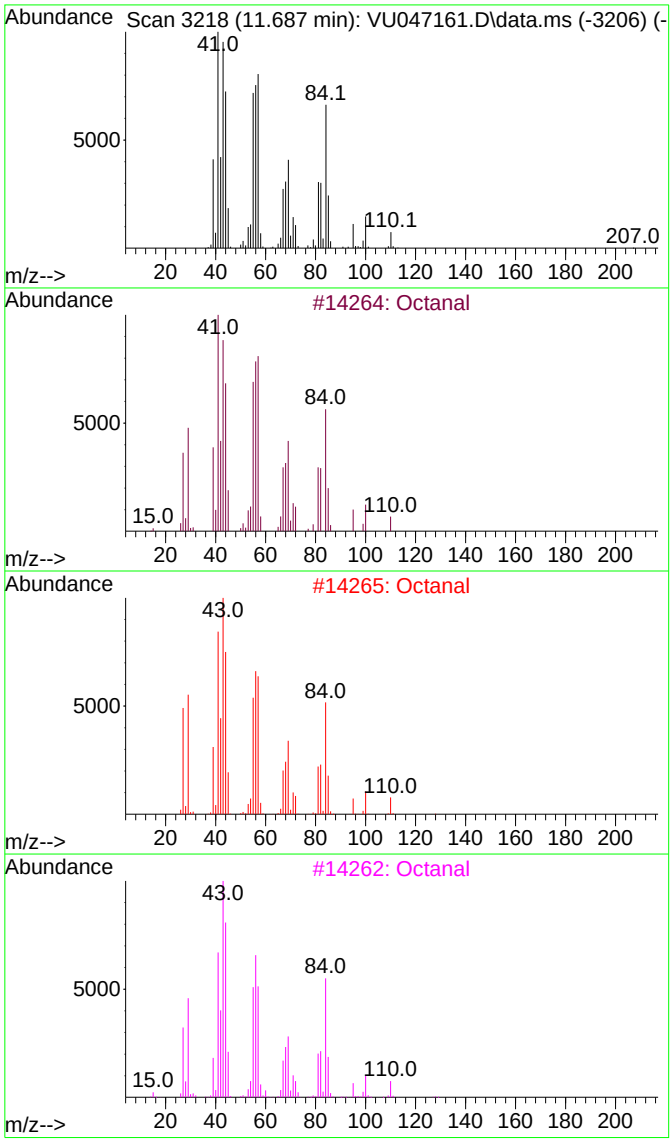
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

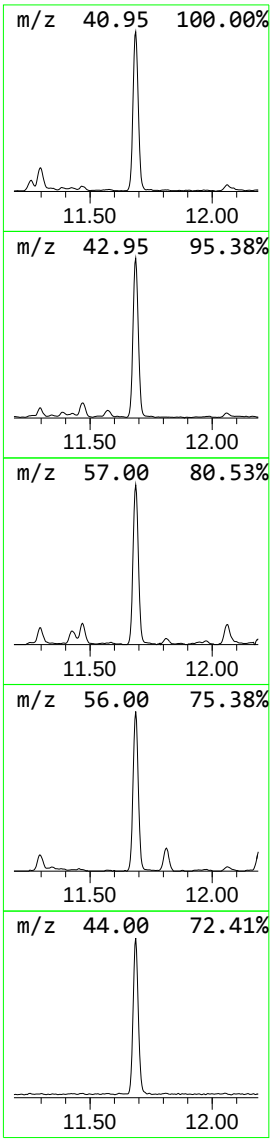
****

Peak Number 8 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.687	3.78 ug/L	493598	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	90
4	Octanal	128	C8H16O	000124-13-0	90
5	Octanal	128	C8H16O	000124-13-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

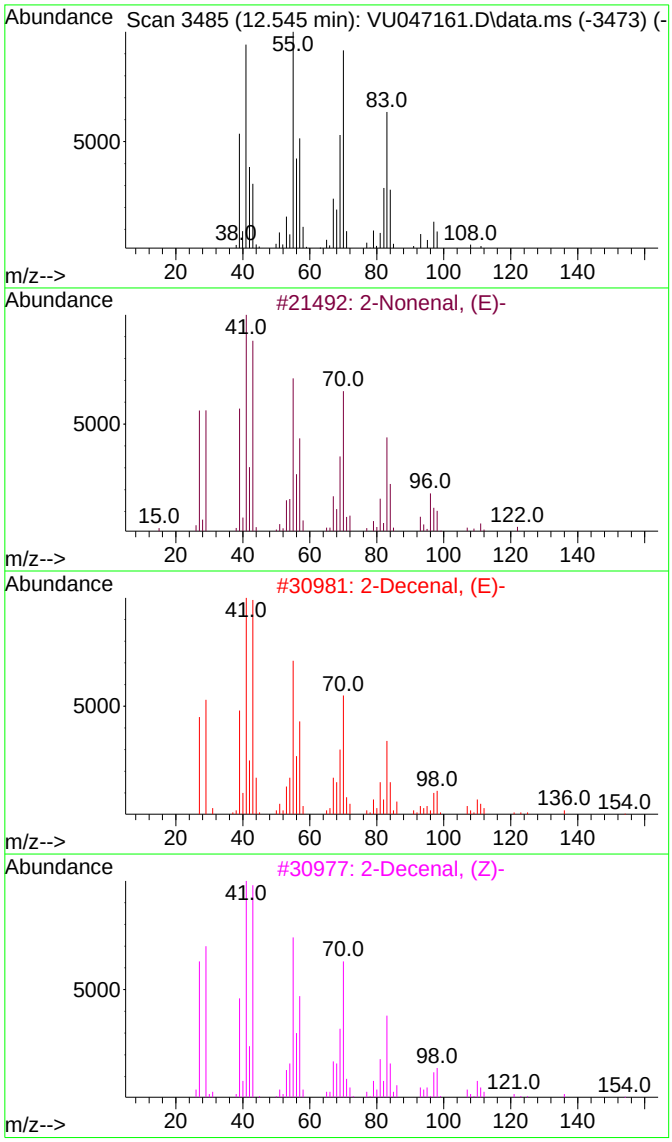
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

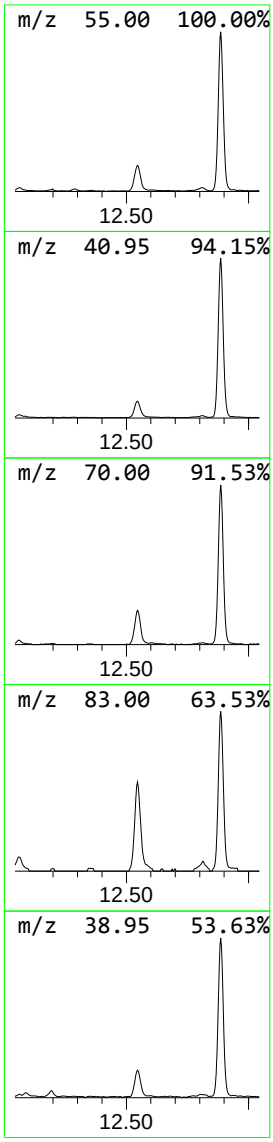
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2-Nonenal, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	0.88 ug/L	115339	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonenal, (E)-	140	C9H16O	018829-56-6	64
2	2-Decenal, (E)-	154	C10H18O	003913-81-3	53
3	2-Decenal, (Z)-	154	C10H18O	002497-25-8	50
4	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	46
5	Cycloheptane	98	C7H14	000291-64-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

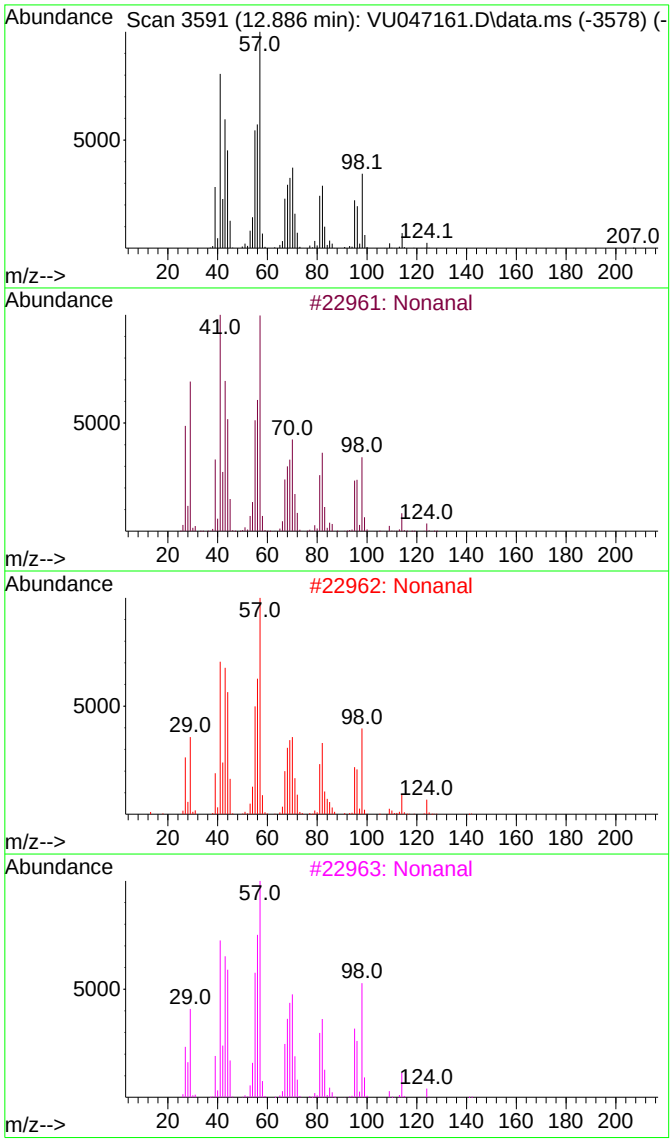
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

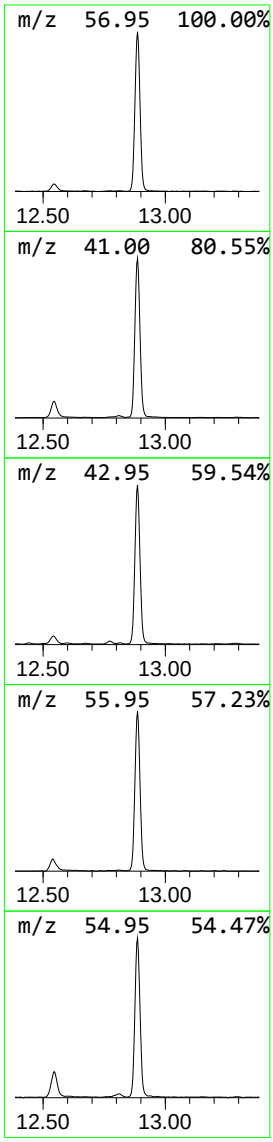
****

Peak Number 10 Nonanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	7.57 ug/L	987378	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	91
3	Nonanal	142	C9H18O	000124-19-6	90
4	Nonanal	142	C9H18O	000124-19-6	90
5	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

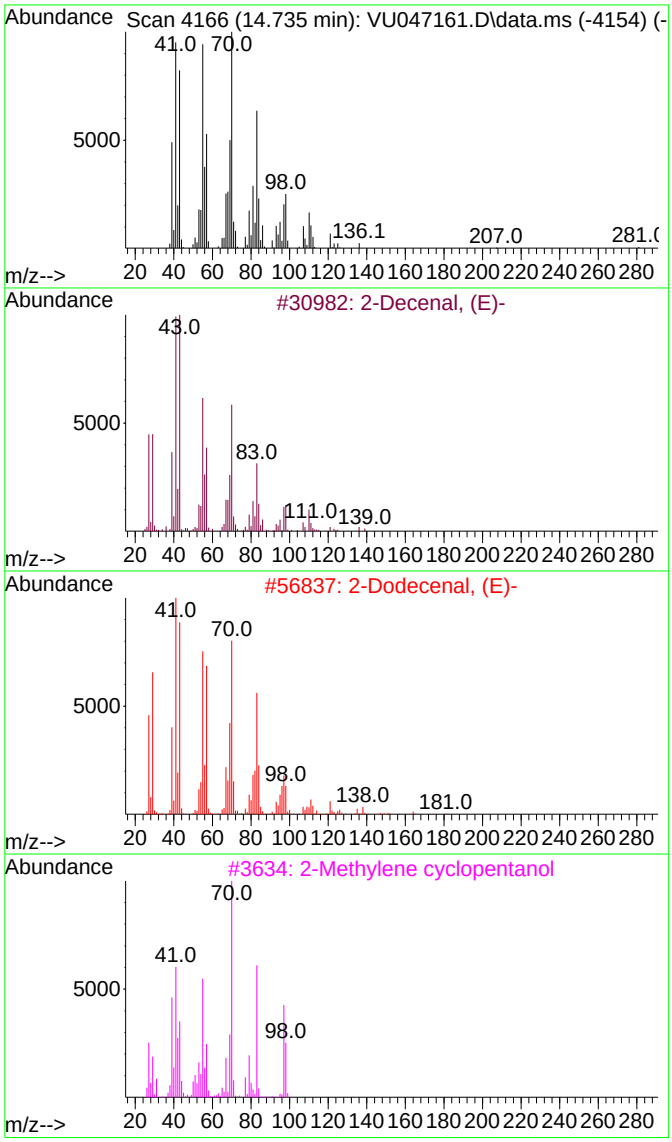
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

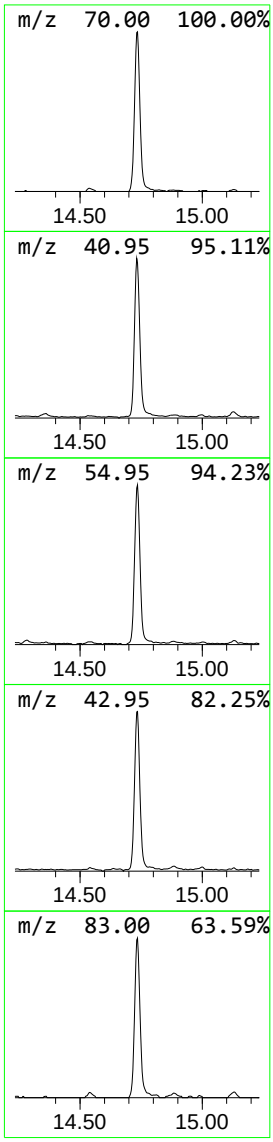
****

Peak Number 11 2-Decenal, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.735	2.62 ug/L	341572	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-	154	C10H18O	003913-81-3	90
2	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	64
3	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	49
4	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	959012-82-9	47
5	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047161.D
Acq On : 16 Feb 2022 15:15
Operator : SY/MD
Sample : N1545-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXZ9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.363	9.5	ug/L	822654	1	6.253	431610	5.0
(DEL) Alkane: S...	2.215	1.2	ug/L	105339	1	6.253	431610	5.0
Pentanal	6.883	1.3	ug/L	115049	1	6.253	431610	5.0
Hexanal	8.787	8.7	ug/L	995518	2	9.420	570283	5.0
Heptanal	10.343	2.0	ug/L	234350	2	9.420	570283	5.0
Furan, 2-pentyl-	11.256	0.9	ug/L	112878	3	11.812	652311	5.0
Octanal	11.687	3.8	ug/L	493598	3	11.812	652311	5.0
2-Nonenal, (E)-	12.545	0.9	ug/L	115339	3	11.812	652311	5.0
Nonanal	12.886	7.6	ug/L	987378	3	11.812	652311	5.0
2-Decenal, (E)-	14.735	2.6	ug/L	341572	3	11.812	652311	5.0