LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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: VV024652.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	37	rVB	50628	48124	2.62%	0.479%
2	1.182	37	44	51	rBV	52765	51180	2.79%	0.509%
3	1.307	74	83	90	rBV2	101163	120511	6.56%	1.198%
4	1.410	103	115	118	rBV3	12897	19071	1.04%	0.190%
5	1.571	157	165	178	rVB	80873	91821	5.00%	0.913%
6	1.812	232	240	256	rVB	27620	39465	2.15%	0.392%
7	2.111	321	333	353	rBV3	187650	304425	16.58%	3.027%
8	2.352	399	408	420	rVB2	14278	24697	1.35%	0.246%
9	2.773	526	539	558	rBV2	8180	18595	1.01%	0.185%
10	3.195	658	670	688	rBV2	11546	24918	1.36%	0.248%
11	3.915	880	894	952	rBV2	73861	261662	14.25%	2.602%
12	4.352	1014	1030	1059	rBV	97404	248331	13.53%	2.470%
13	5.050	1230	1247	1287	rBV2	231933	581482	31.67%	5.783%
14	5.619	1410	1424	1444	rBV	166862	336374	18.32%	3.345%
15	5.911	1501	1515	1543	rBV	943995	1835890	100.00%	18.258%
16	6.069	1552	1564	1582	rBV	125991	261015	14.22%	2.596%
17	6.294	1625	1634	1653	rBV2	23970	51623	2.81%	0.513%
18	6.989	1838	1850	1875	rBV	65320	123668	6.74%	1.230%
19	7.317	1941	1952	1969	rBV	293893	509040	27.73%	5.062%
20	7.394	1969	1976	1996	rVB	16650	32865	1.79%	0.327%
21	7.625	2038	2048	2069	rBV	36931	68617	3.74%	0.682%
22	7.972	2134	2156	2183	rBV	670807	1115881	60.78%	11.097%
23	8.088	2183	2192	2228	rVV	225287	468932	25.54%	4.663%
24	8.236	2228	2238	2278	rVB	305062	516371	28.13%	5.135%
25	8.850	2418	2429	2453	rBV	273159	446555	24.32%	4.441%
26	9.140	2507	2519	2535	rBV	14157	25199	1.37%	0.251%
27	9.805	2717	2726	2744	rBV	67631	111547	6.08%	1.109%
28	10.217	2841	2854	2865	rBV	72931	117596	6.41%	1.169%
29	10.718	2999	3010	3017	rBV	43446	63829	3.48%	0.635%
30	10.760	3017	3023	3040	rVB4	14430	26279	1.43%	0.261%
31	11.146	3129	3143	3164	rBV	223039	340197	18.53%	3.383%
32	11.246	3164	3174	3195	rVB	313053	489055	26.64%	4.864%
33	11.622	3280	3291	3307	rBV	253040	399818	21.78%	3.976%
34	12.008	3402	3411	3427	rBV5	13727	27452	1.50%	0.273%
35	12.342	3503	3515	3533	rBV	482538	705789	38.44%	7.019%
36	14.175	4074	4085	4105	rBV3	86045	147656	8.04%	1.468%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

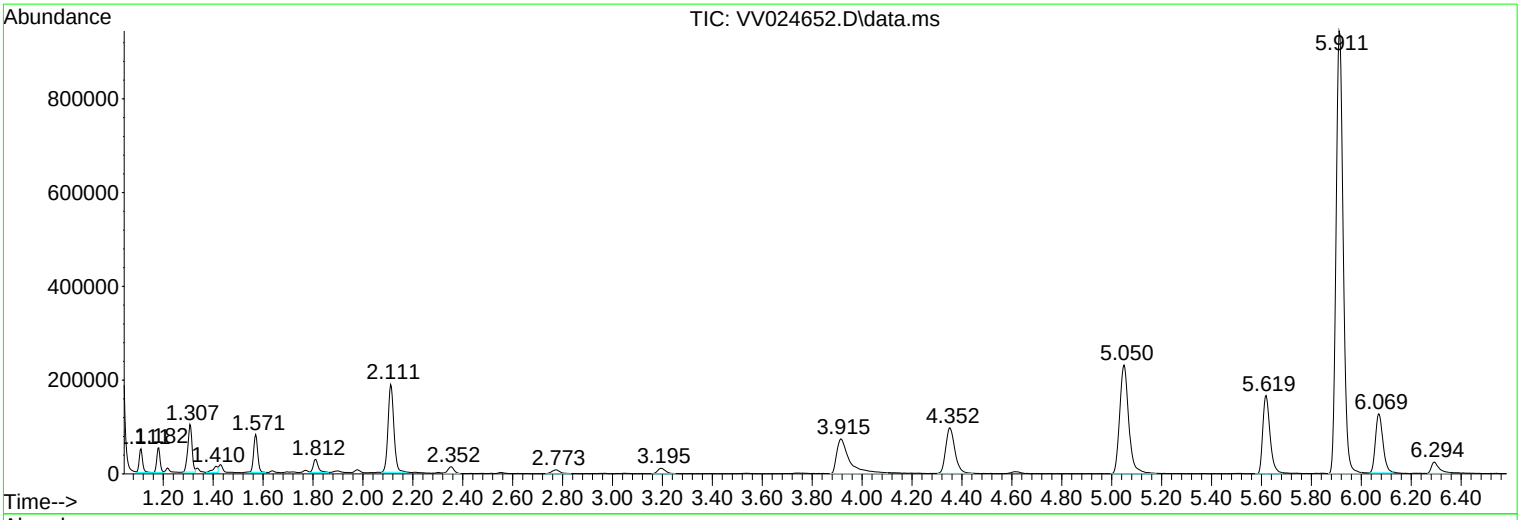
Sum of corrected areas: 10055530

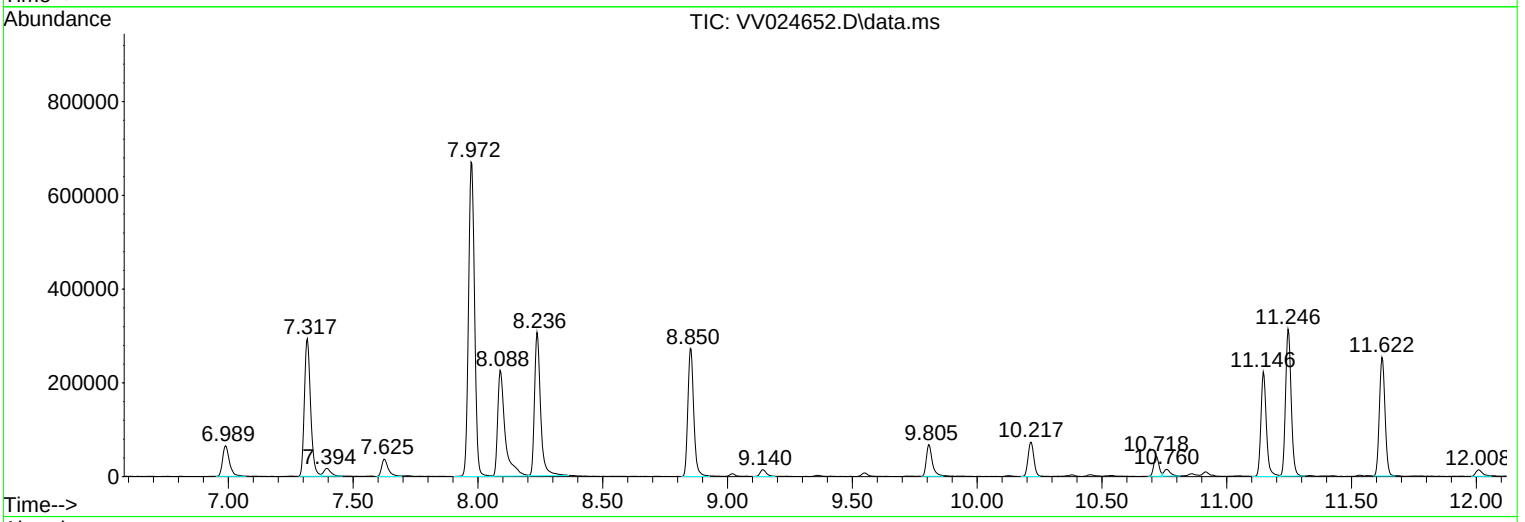
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

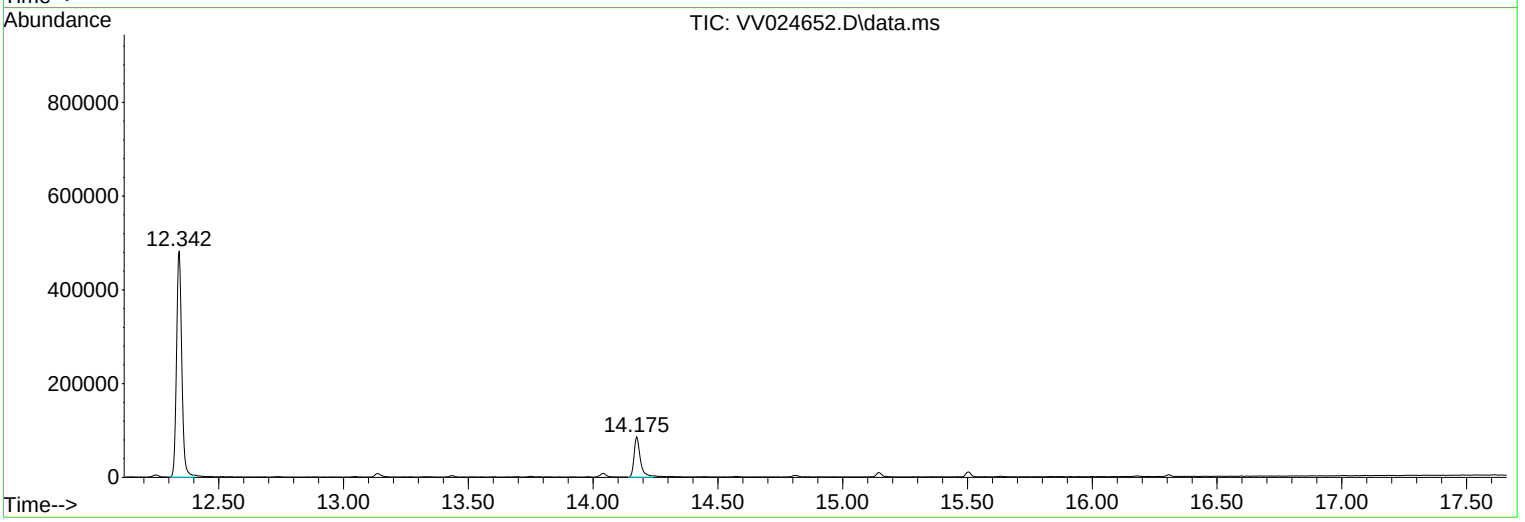
Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

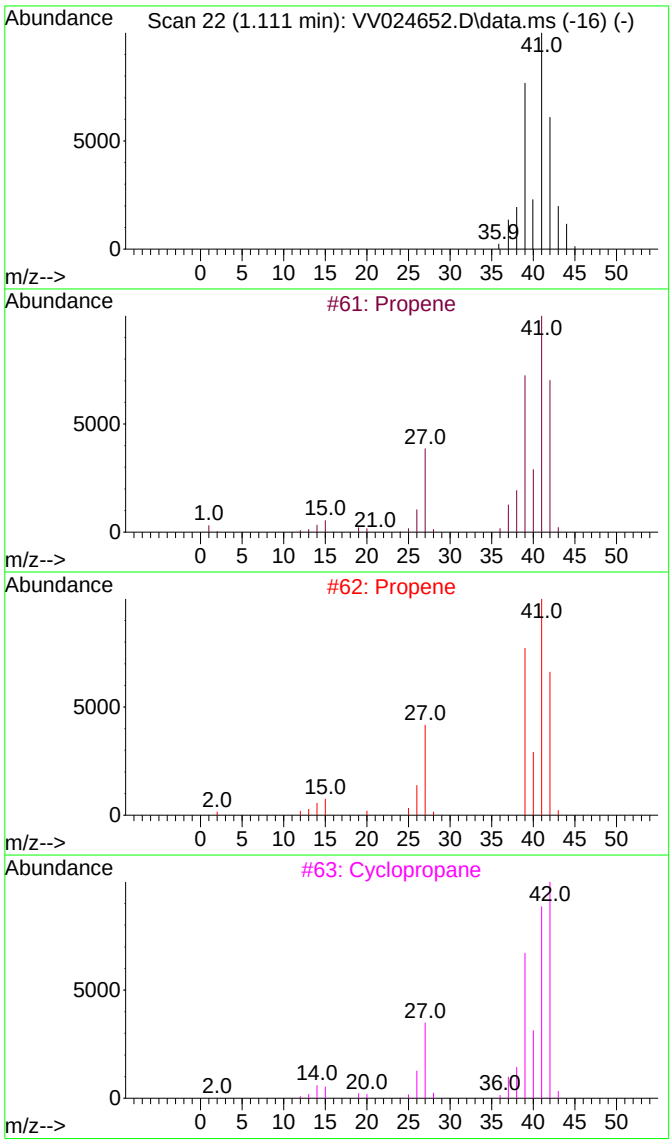
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

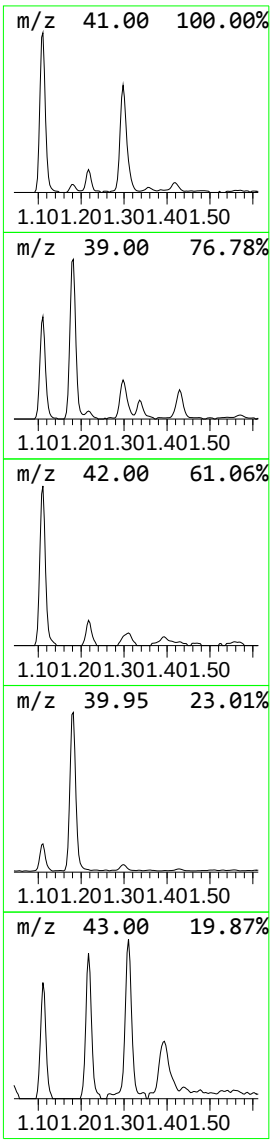
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.111	0.72 ug/L	48124	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	Cyclopropane	42	C3H6	000075-19-4	43
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cycloropene	40	C3H4	002781-85-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

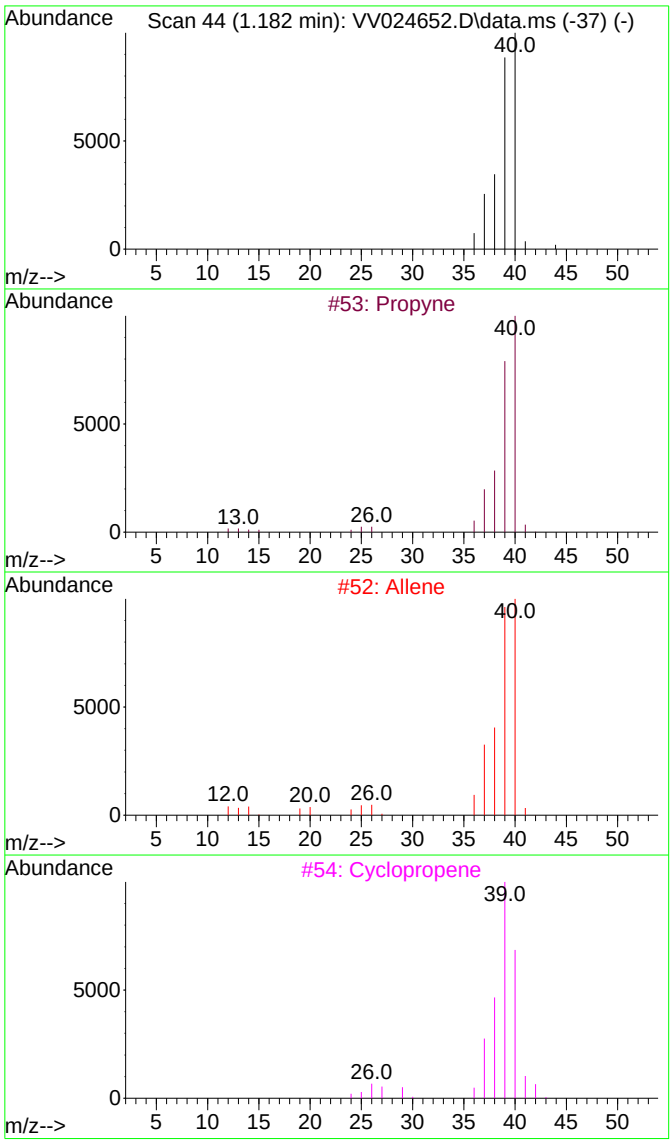
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

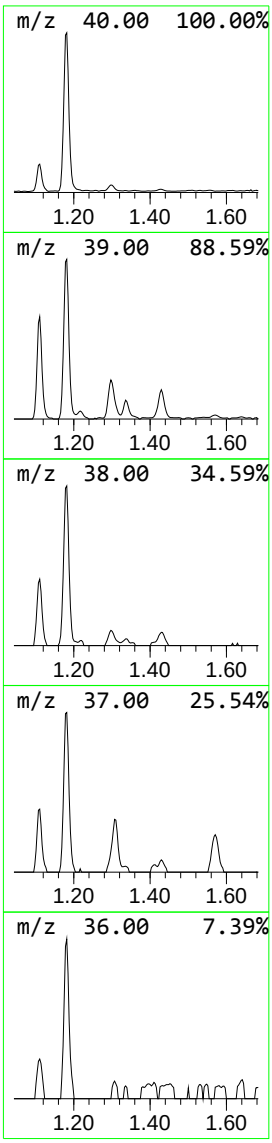
****

Peak Number 2 Propyne Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.182	0.76 ug/L	51180	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne	40	C3H4	000074-99-7	90
2	Allene	40	C3H4	000463-49-0	90
3	Cyclopropene	40	C3H4	002781-85-3	43
4	Propane	44	C3H8	000074-98-6	1
5	Propane	44	C3H8	000074-98-6	1





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

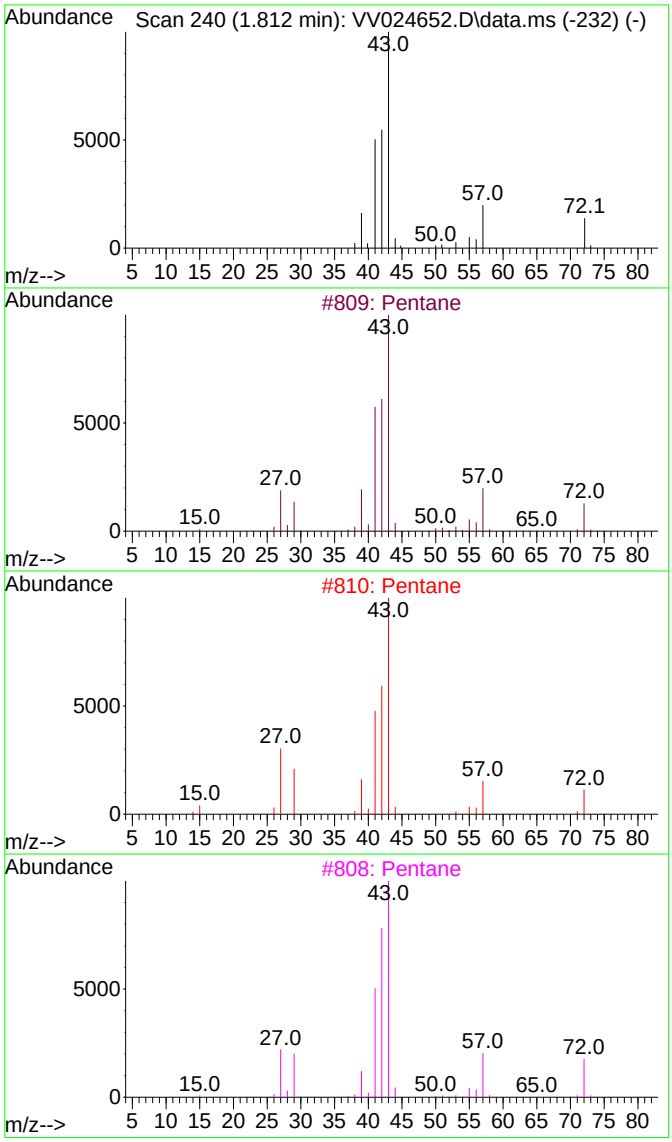
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

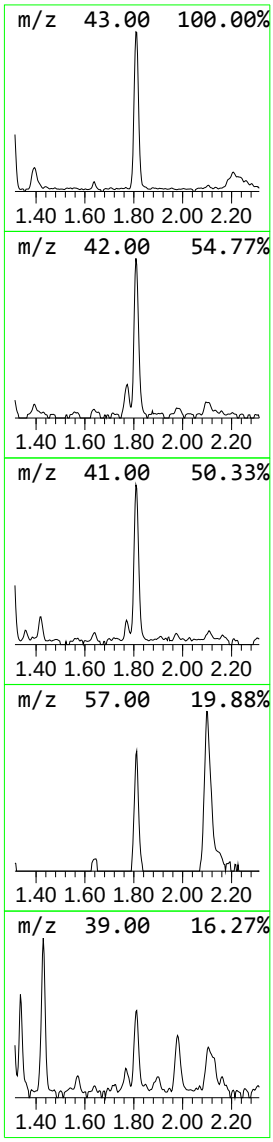
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	0.59 ug/L	39465	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	90
5	Pentane	72	C5H12	000109-66-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

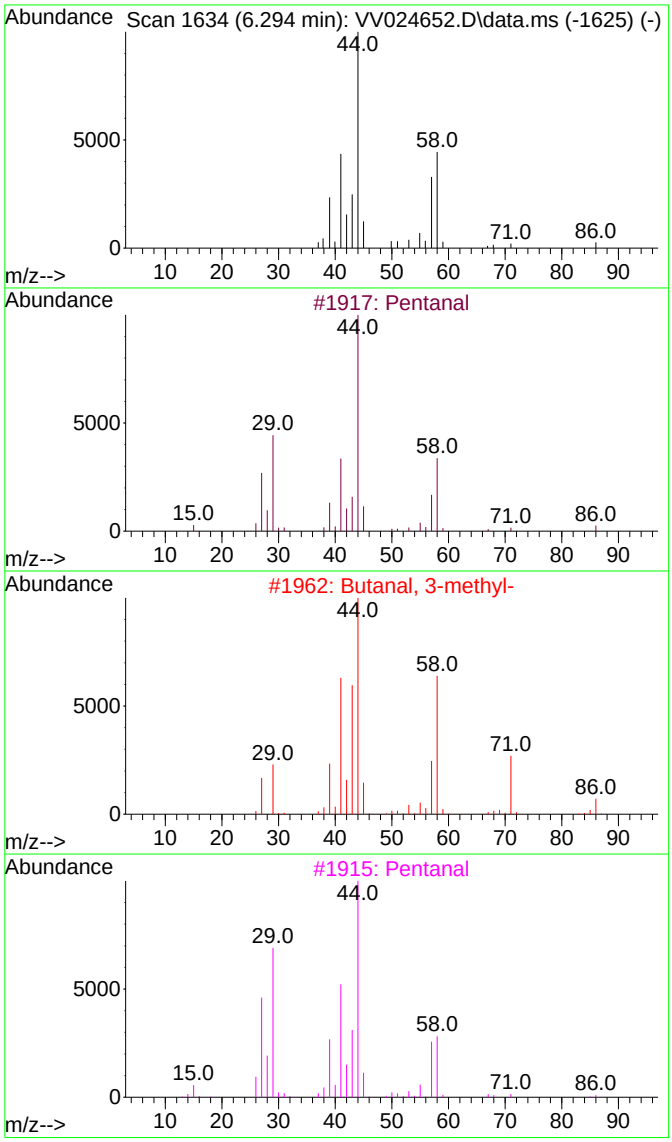
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

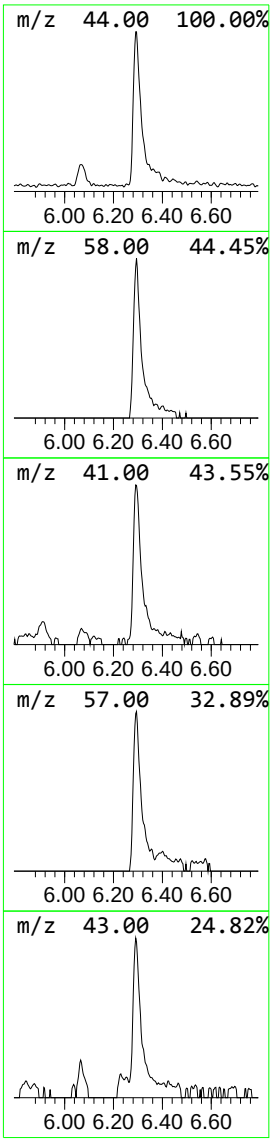
****

Peak Number 4 Pentanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.294	0.77 ug/L	51623	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
3	Pentanal	86	C5H10O	000110-62-3	78
4	Pentanal	86	C5H10O	000110-62-3	78
5	Pentanal	86	C5H10O	000110-62-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

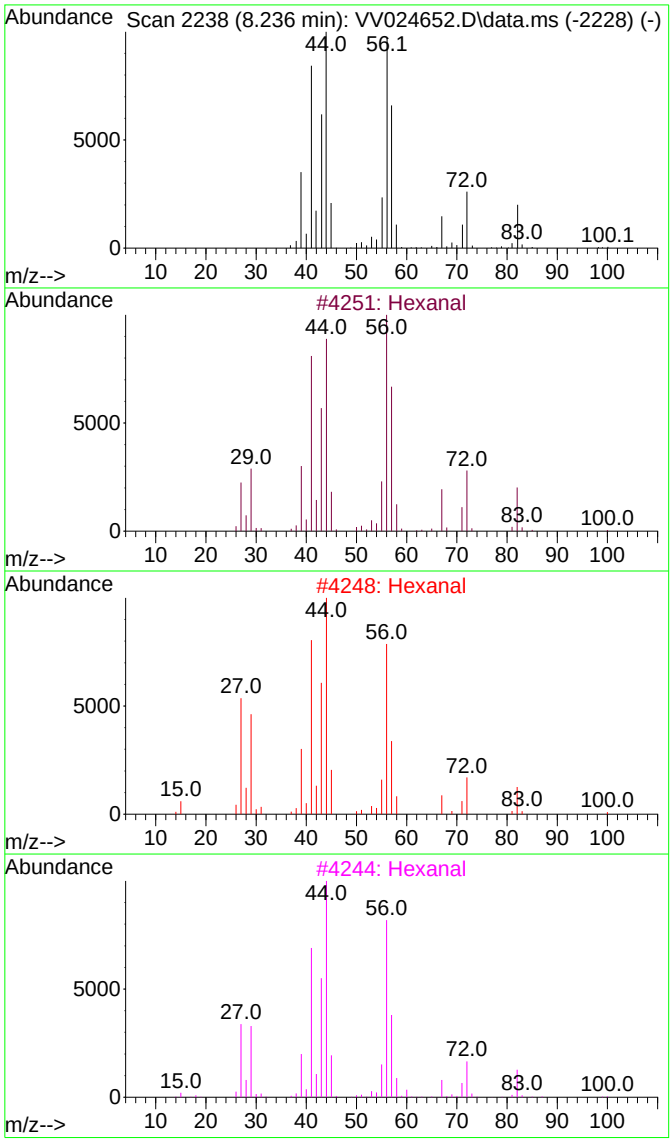
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

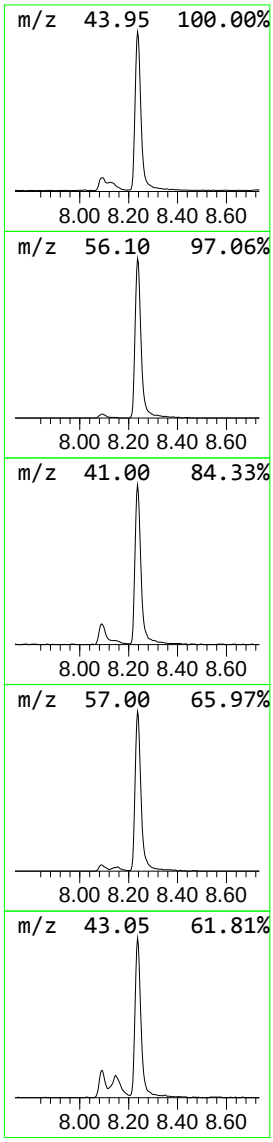
****

Peak Number 6 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.236	5.78 ug/L	516371	Chlorobenzene-d5	8.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	94
2	Hexanal	100	C6H12O	000066-25-1	91
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Hexanal	100	C6H12O	000066-25-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

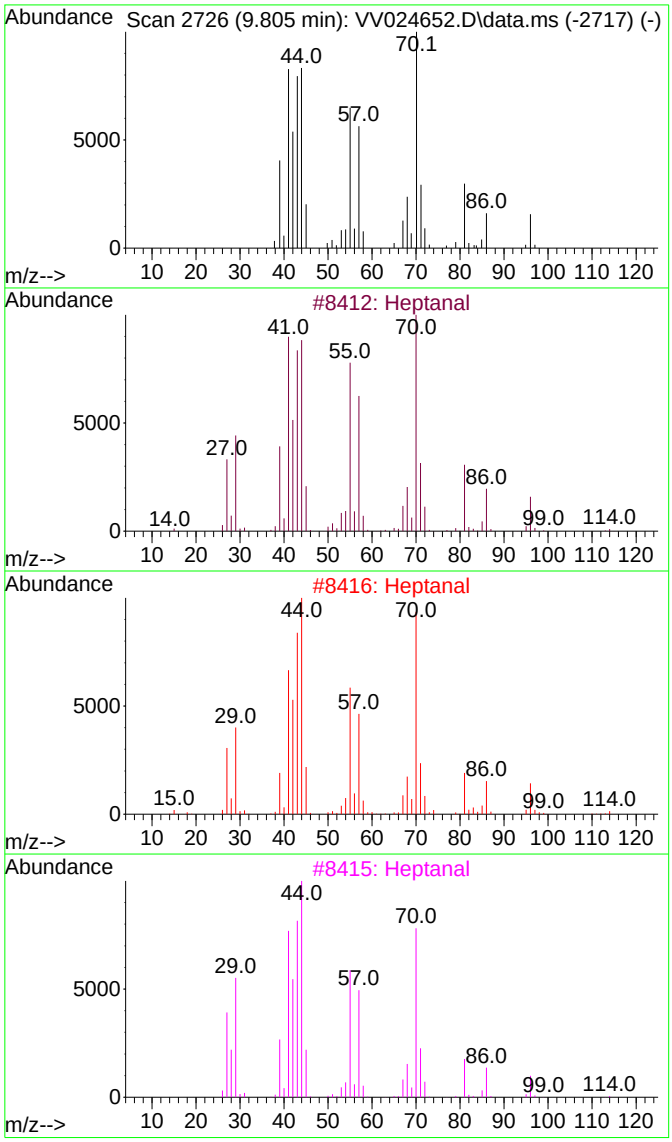
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

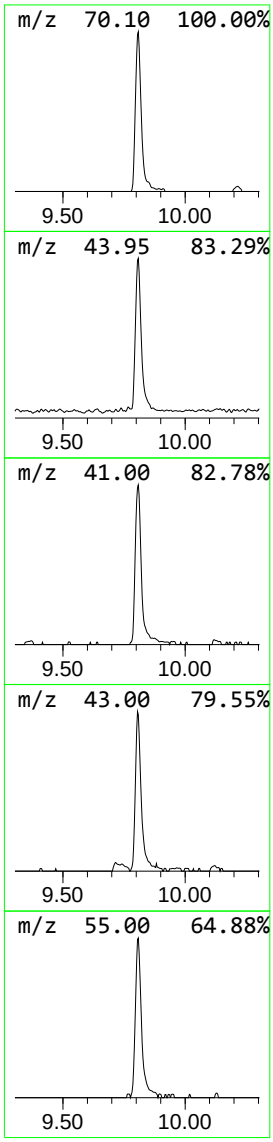
****

Peak Number 7 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.805	1.25 ug/L	111547	Chlorobenzene-d5	8.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	80
3	Heptanal	114	C7H14O	000111-71-7	53
4	Heptanal	114	C7H14O	000111-71-7	53
5	Heptanal	114	C7H14O	000111-71-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

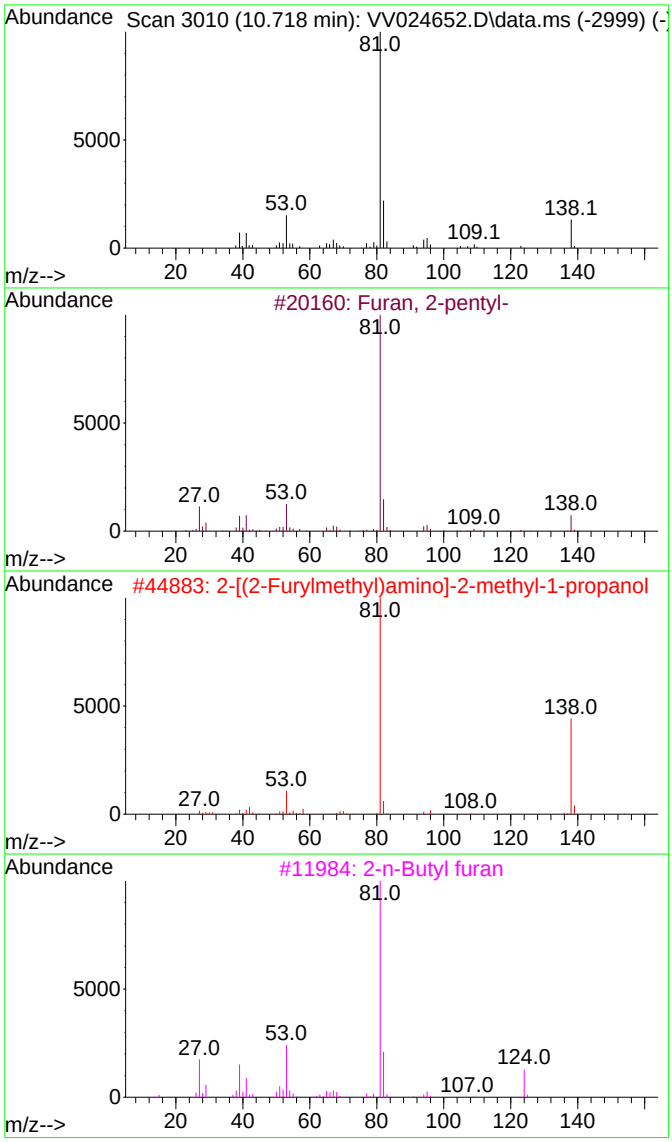
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

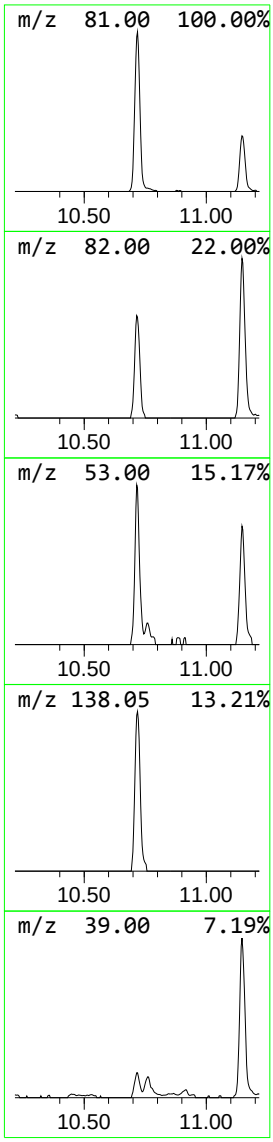
****

Peak Number 8 Furan, 2-pentyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.718	0.65 ug/L	63829	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	2-[(2-Furylmethyl)amino]-2-methy...	169	C9H15NO2	889949-94-4	59
3	2-n-Butyl furan	124	C8H12O	004466-24-4	50
4	Furan, 2-pentyl-	138	C9H14O	003777-69-3	45
5	2-n-Butyl furan	124	C8H12O	004466-24-4	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

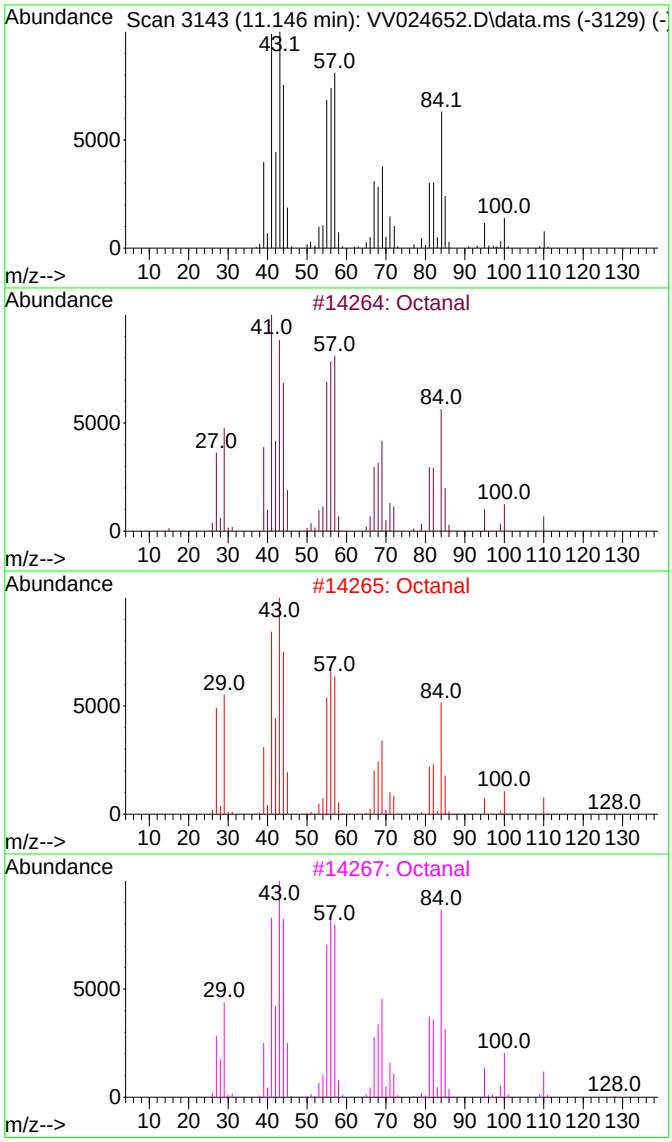
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

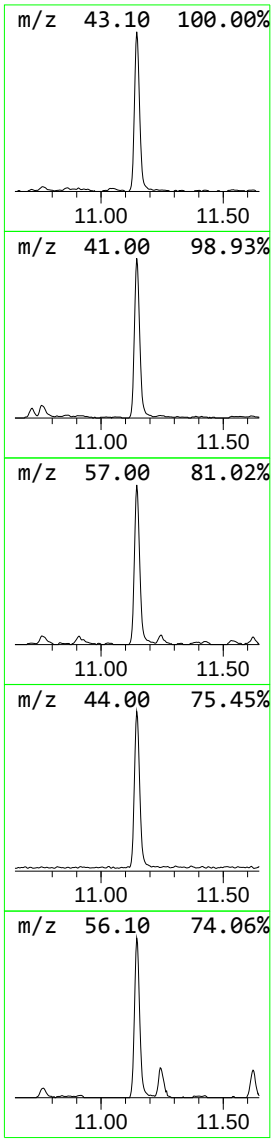
****

Peak Number 9 Octanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	3.48 ug/L	340197	1,4-Dichlorobenzene-d4	11.246

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	91
4	Octanal	128	C8H16O	000124-13-0	90
5	Octanal	128	C8H16O	000124-13-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

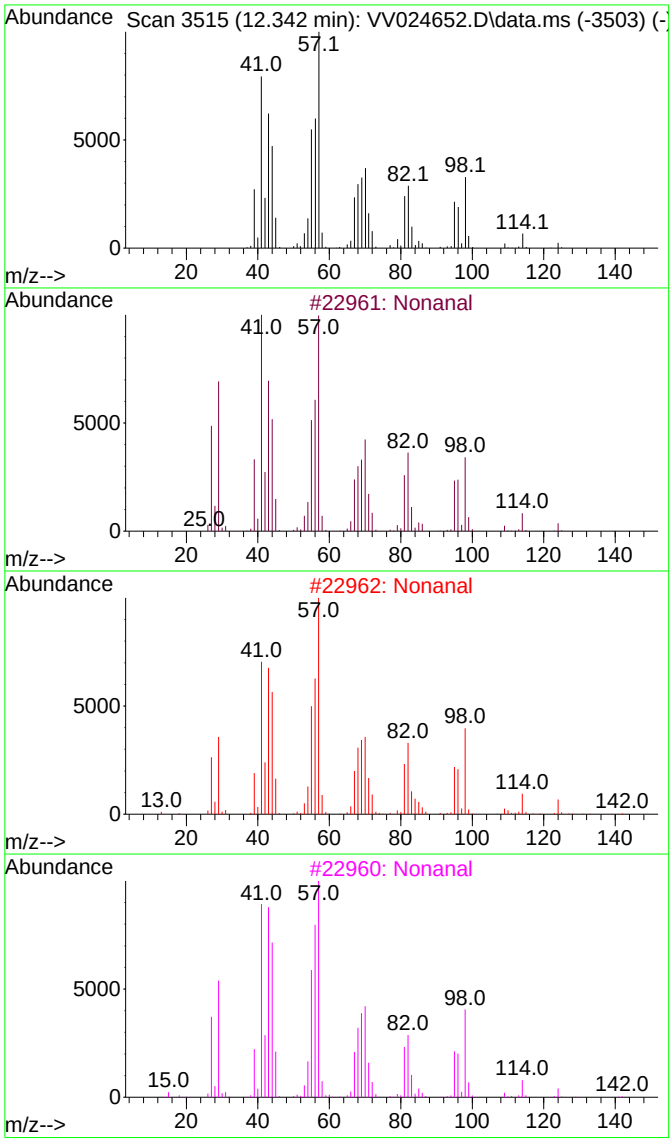
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

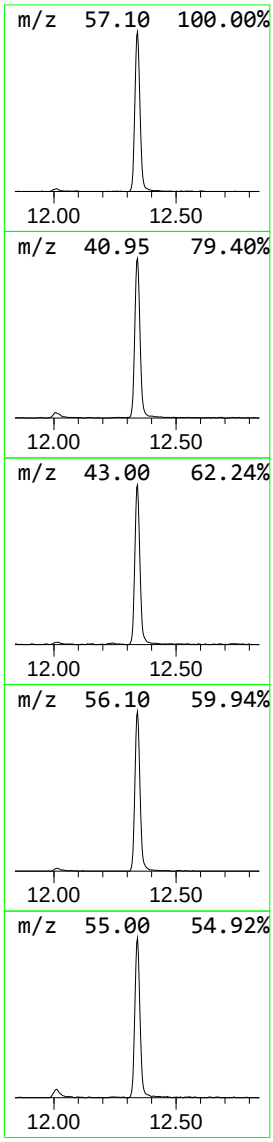
****

Peak Number 10 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.342	7.22 ug/L	705789	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	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

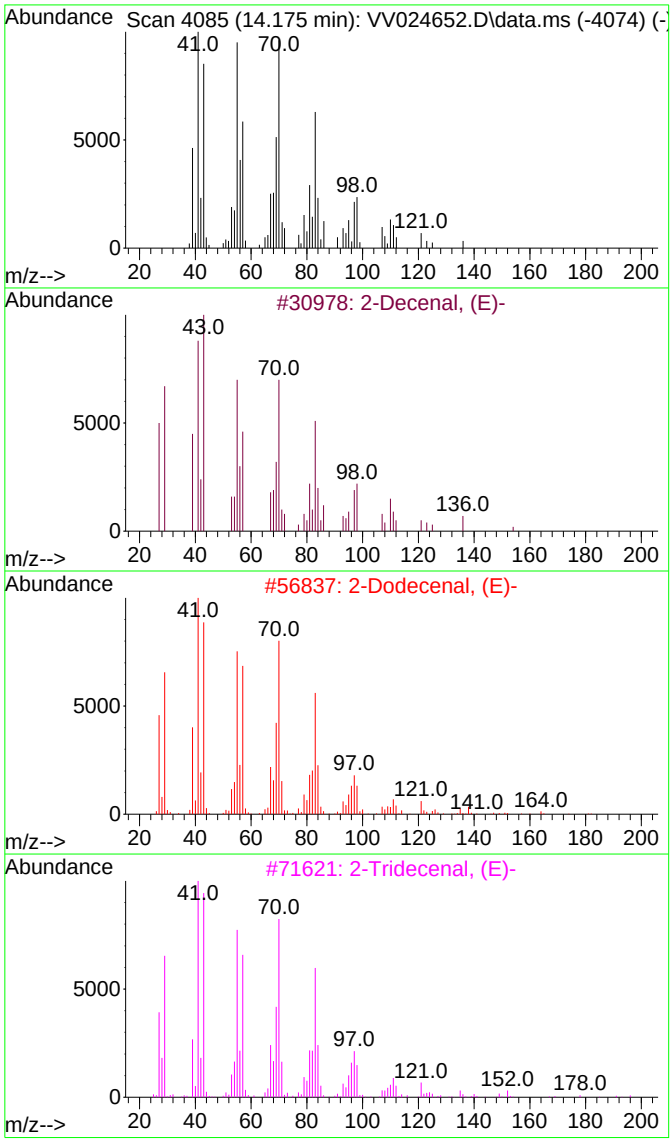
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

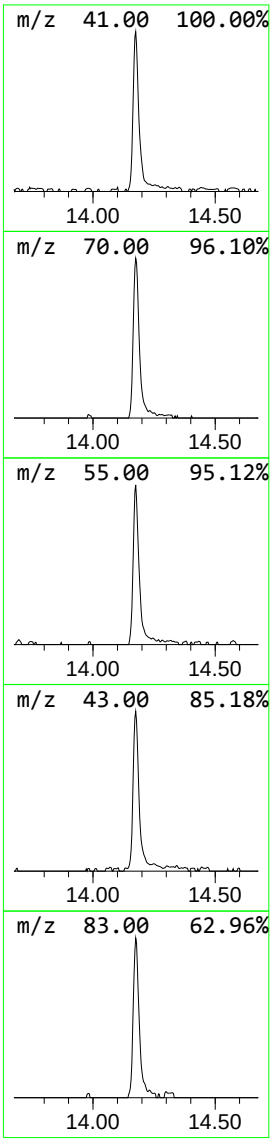
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	1.51 ug/L	147656	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-	154	C10H18O	003913-81-3	80
2	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	64
3	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	59
4	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	55
5	2-n-Butylacrolein	112	C7H12O	001070-66-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
Data File : VV024652.D
Acq On : 14 Feb 2022 15:39
Operator : SY/MD
Sample : N1476-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXZ7

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.111	0.7	ug/L	48124	1	5.619	336374	5.0
Propyne	1.182	0.8	ug/L	51180	1	5.619	336374	5.0
(DEL) Alkane: S...	1.812	0.6	ug/L	39465	1	5.619	336374	5.0
Pentanal	6.294	0.8	ug/L	51623	1	5.619	336374	5.0
Hexanal	8.236	5.8	ug/L	516371	2	8.853	446555	5.0
Heptanal	9.805	1.3	ug/L	111547	2	8.853	446555	5.0
Furan, 2-pentyl-	10.718	0.7	ug/L	63829	3	11.246	489055	5.0
Octanal	11.146	3.5	ug/L	340197	3	11.246	489055	5.0
Nonanal	12.342	7.2	ug/L	705789	3	11.246	489055	5.0
2-Decenal, (E)-	14.175	1.5	ug/L	147656	3	11.246	489055	5.0