LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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: VV024614.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.108	15	21	35	rVB	126450	117594	6.66%	1.332%
2	1.179	37	43	47	rBV	43931	40915	2.32%	0.464%
3	1.204	47	51	61	rVB2	54003	55170	3.13%	0.625%
4	1.307	73	83	89	rBV2	107016	149279	8.46%	1.691%
5	1.426	111	120	134	rVB3	16026	28889	1.64%	0.327%
6	1.568	156	164	176	rVB	64903	75413	4.27%	0.854%
7	1.767	219	226	232	rBV	14298	17817	1.01%	0.202%
8	1.809	232	239	255	rVB3	24470	38864	2.20%	0.440%
9	2.108	320	332	348	rBV3	139521	222883	12.63%	2.525%
10	2.770	523	538	551	rBV3	8782	19962	1.13%	0.226%
11	3.912	878	893	931	rBV3	86595	276993	15.69%	3.138%
12	4.349	1014	1029	1060	rBV	81322	213958	12.12%	2.424%
13	5.050	1231	1247	1279	rBV2	184978	469669	26.60%	5.321%
14	5.619	1412	1424	1455	rBV	136925	281652	15.95%	3.191%
15	5.912	1501	1515	1546	rBV	919013	1765367	100.00%	20.001%
16	6.069	1552	1564	1589	rVB	107509	221858	12.57%	2.514%
17	6.294	1624	1634	1649	rBV3	14440	31937	1.81%	0.362%
18	6.989	1836	1850	1870	rBV	54735	101098	5.73%	1.145%
19	7.317	1941	1952	1968	rBV	231265	399181	22.61%	4.523%
20	7.397	1969	1977	1990	rVB2	11878	23278	1.32%	0.264%
21	7.625	2038	2048	2069	rBV2	30762	55242	3.13%	0.626%
22	7.973	2143	2156	2182	rBV	995247	1654477	93.72%	18.745%
23	8.088	2182	2192	2228	rVB	221531	416341	23.58%	4.717%
24	8.236	2228	2238	2263	rBV	164293	280668	15.90%	3.180%
25	8.850	2418	2429	2450	rBV	223249	366736	20.77%	4.155%
26	9.809	2717	2727	2740	rBV	32691	53784	3.05%	0.609%
27	10.217	2843	2854	2872	rVB	63913	101013	5.72%	1.144%
28	10.718	2999	3010	3017	rBV2	23515	34596	1.96%	0.392%
29	11.146	3132	3143	3157	rBV	97381	150759	8.54%	1.708%
30	11.249	3164	3175	3195	rVB	250185	391110	22.15%	4.431%
31	11.622	3281	3291	3307	rBV	205227	319071	18.07%	3.615%
32	12.008	3400	3411	3422	rBV5	9998	18116	1.03%	0.205%
33	12.342	3504	3515	3533	rBV	190996	282819	16.02%	3.204%
34	14.175	4074	4085	4107	rBV2	75359	130047	7.37%	1.473%
35	15.143	4381	4386	4400	rVB4	12973	19805	1.12%	0.224%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

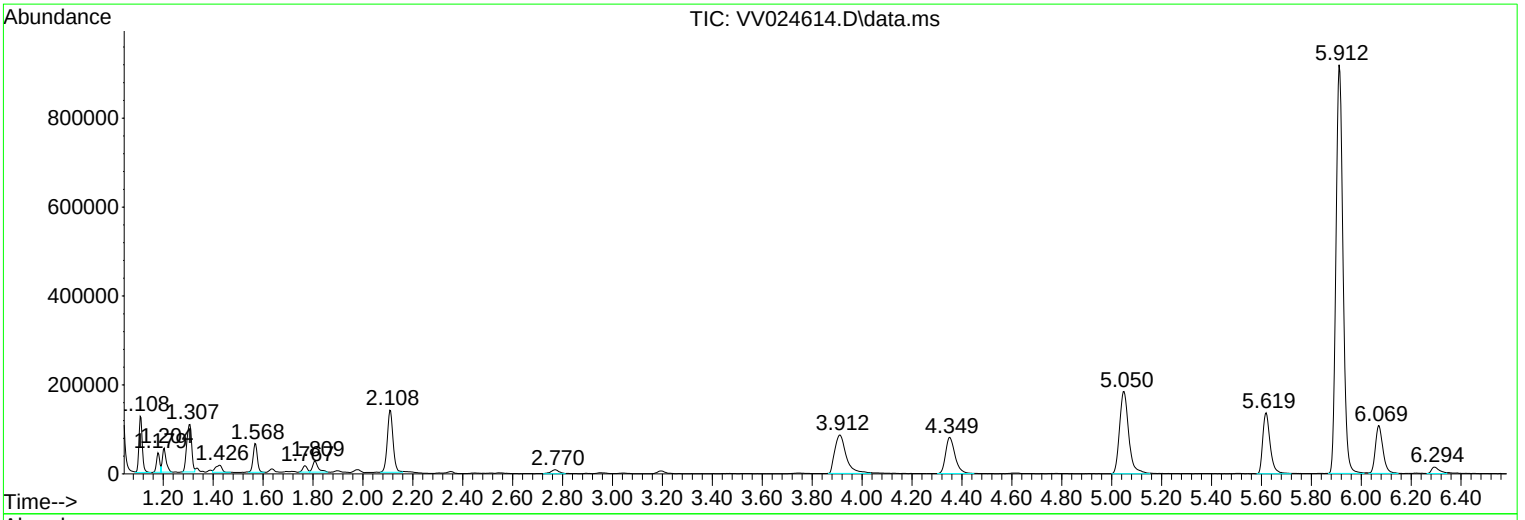
Sum of corrected areas: 8826361

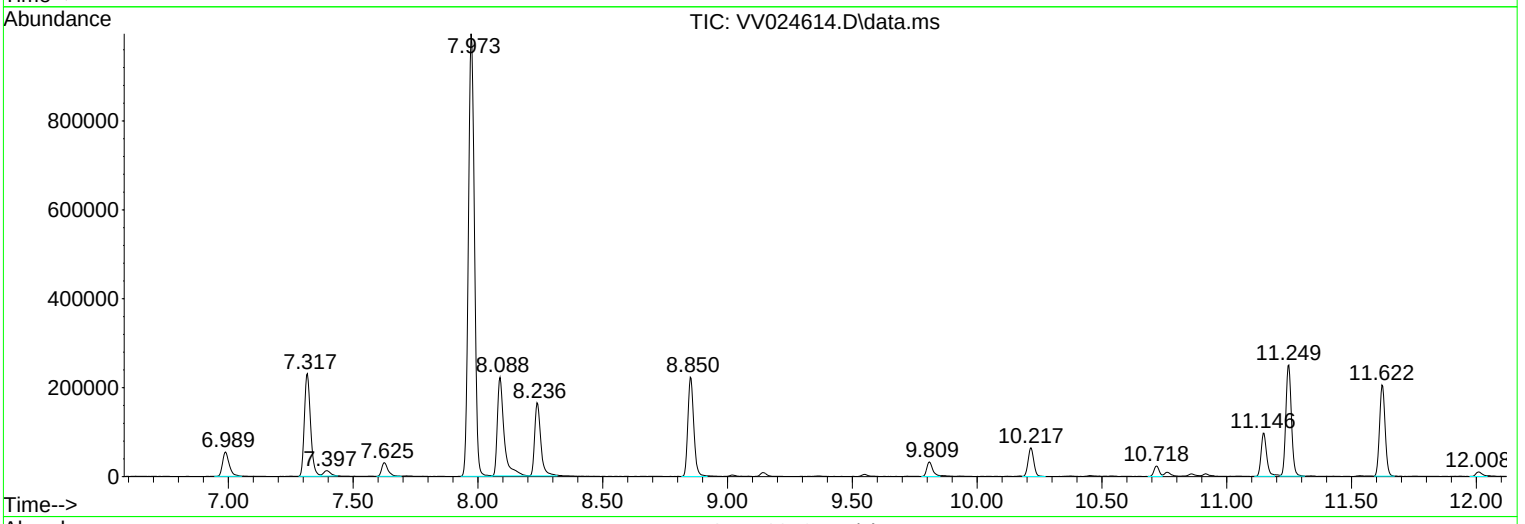
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

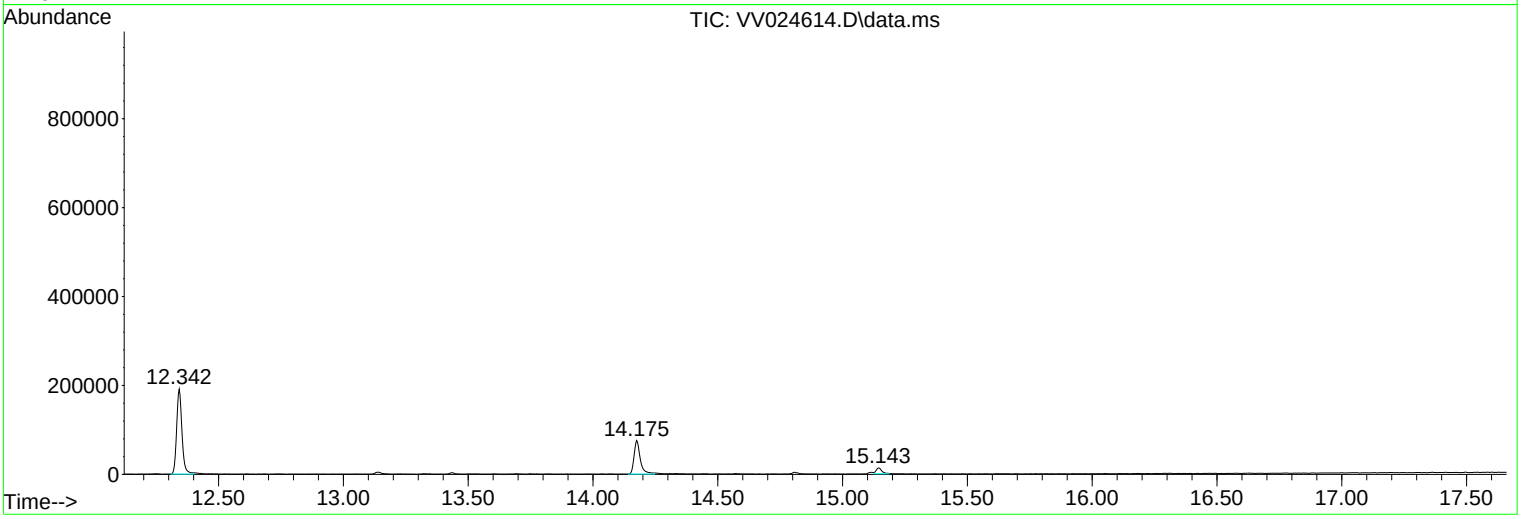
Instrument :
MSVOA_V
ClientSampleId :
BFY00

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 : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

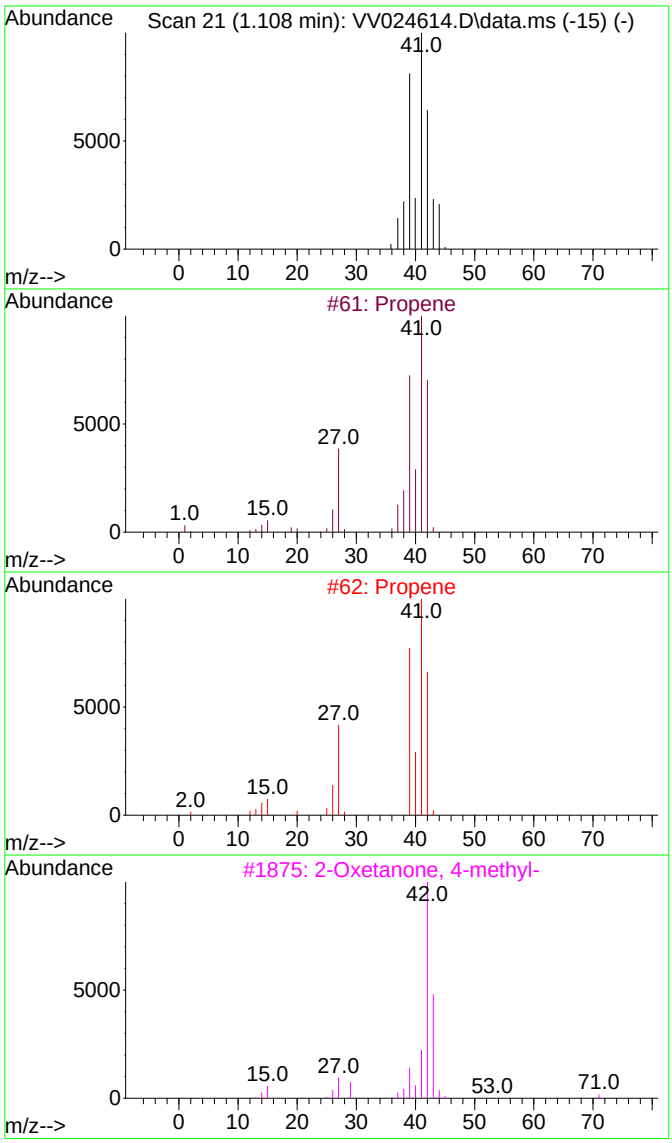
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

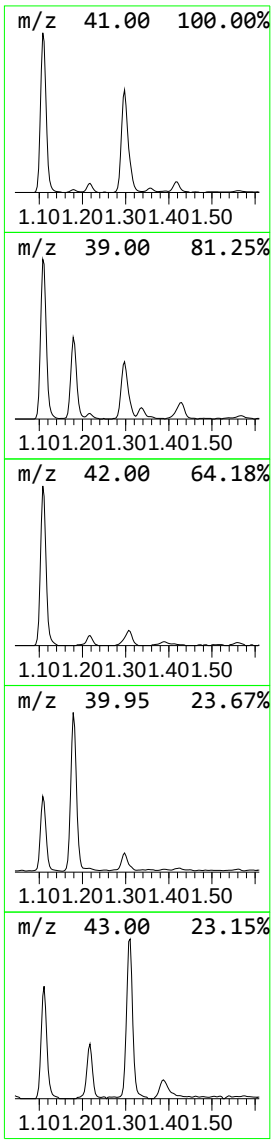
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.108	2.09 ug/L	117594	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	42
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

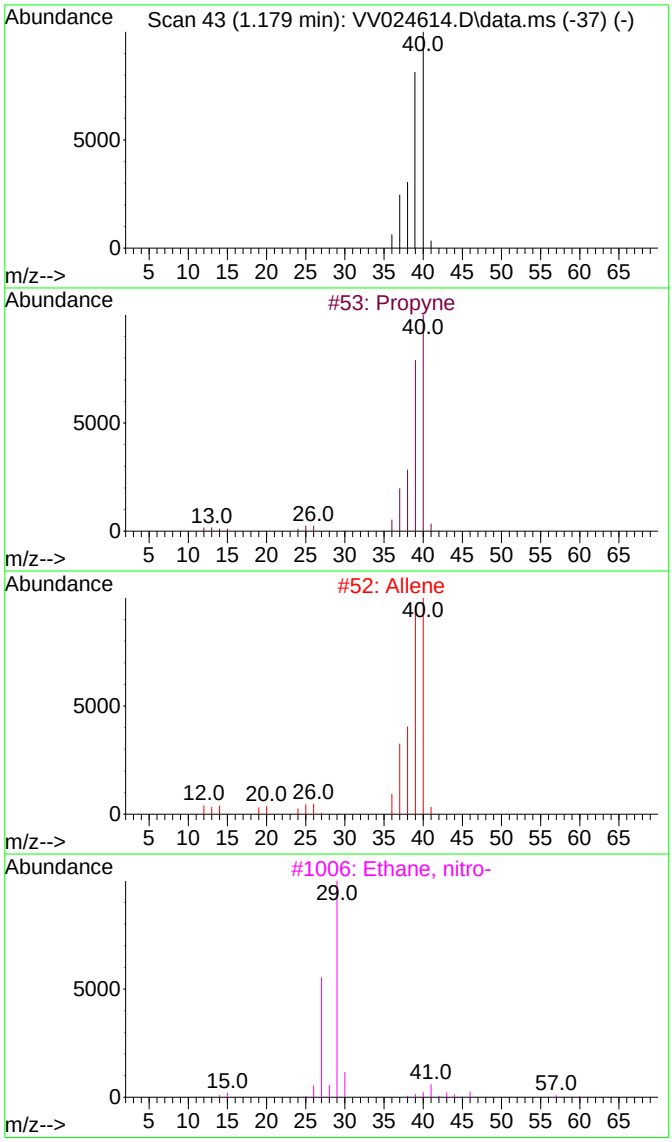
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

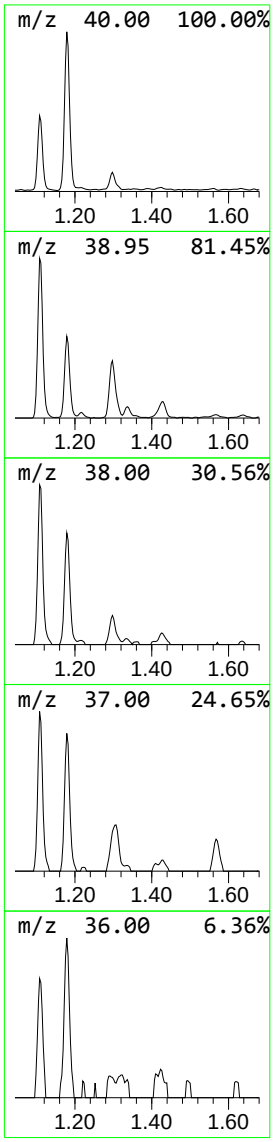
****

Peak Number 2 Propyne Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.179	0.73 ug/L	40915	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	Ethane, nitro-	75	C2H5NO2	000079-24-3	1
4	3-Methyl-1,2-diazirine	56	C2H4N2	1000305-83-7	1
5	1-Butanamine, 2-methyl-	87	C5H13N	000096-15-1	1





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

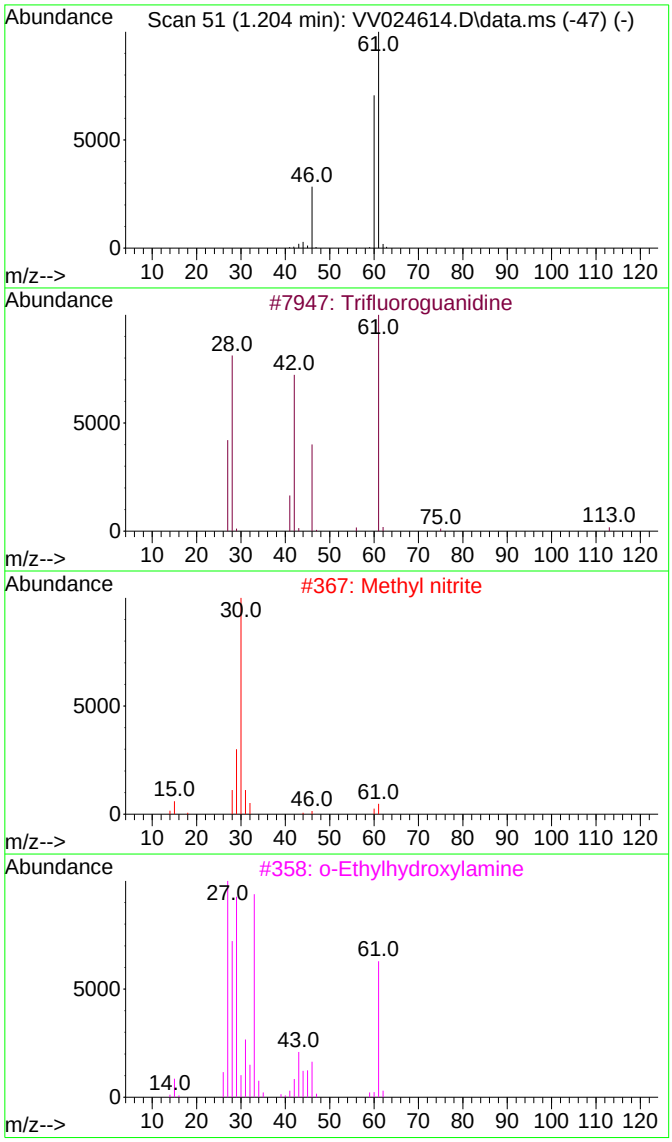
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

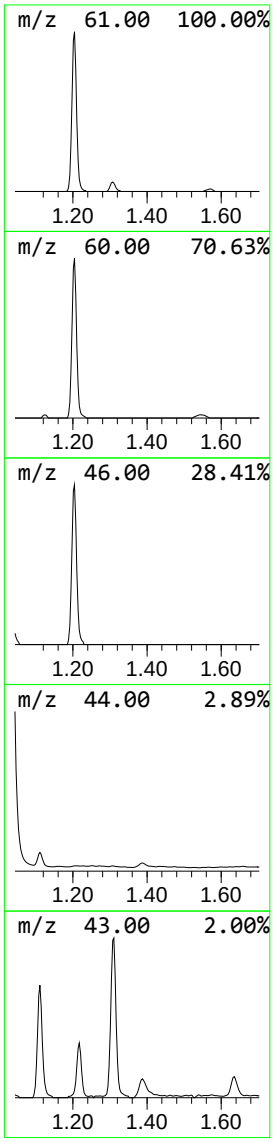
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.204	0.98 ug/L	55170	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroguanidine	113	CH2F3N3	037950-72-4	9
2	Methyl nitrite	61	CH3NO2	000624-91-9	5
3	o-Ethylhydroxylamine	61	C2H7NO	000624-86-2	4
4	Cyanogen chloride	61	CClN	000506-77-4	4
5	Cyanogen chloride	61	CClN	000506-77-4	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

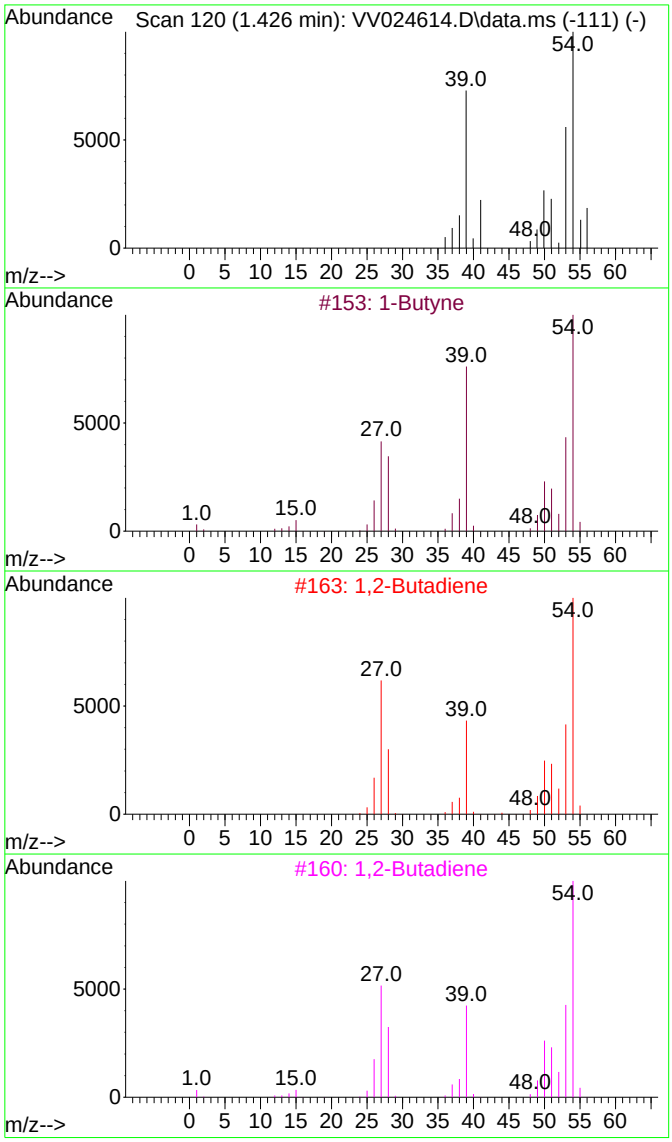
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

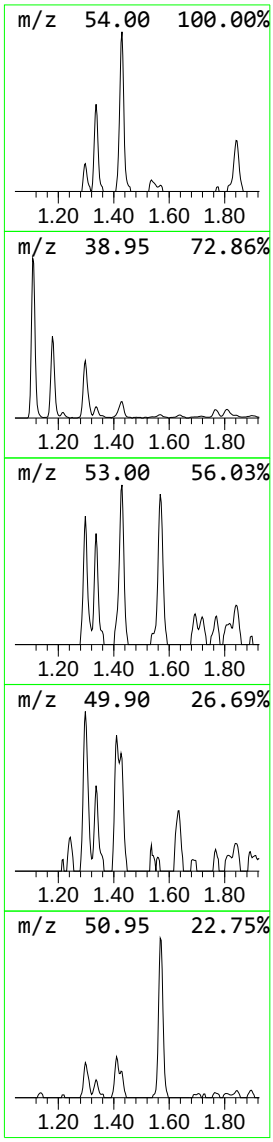
****

Peak Number 4 1-Butyne Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.426	0.51 ug/L	28889	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butyne	54	C4H6	000107-00-6	86
2	1,2-Butadiene	54	C4H6	000590-19-2	78
3	1,2-Butadiene	54	C4H6	000590-19-2	78
4	1-Butyne	54	C4H6	000107-00-6	78
5	1,3-Butadiene	54	C4H6	000106-99-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

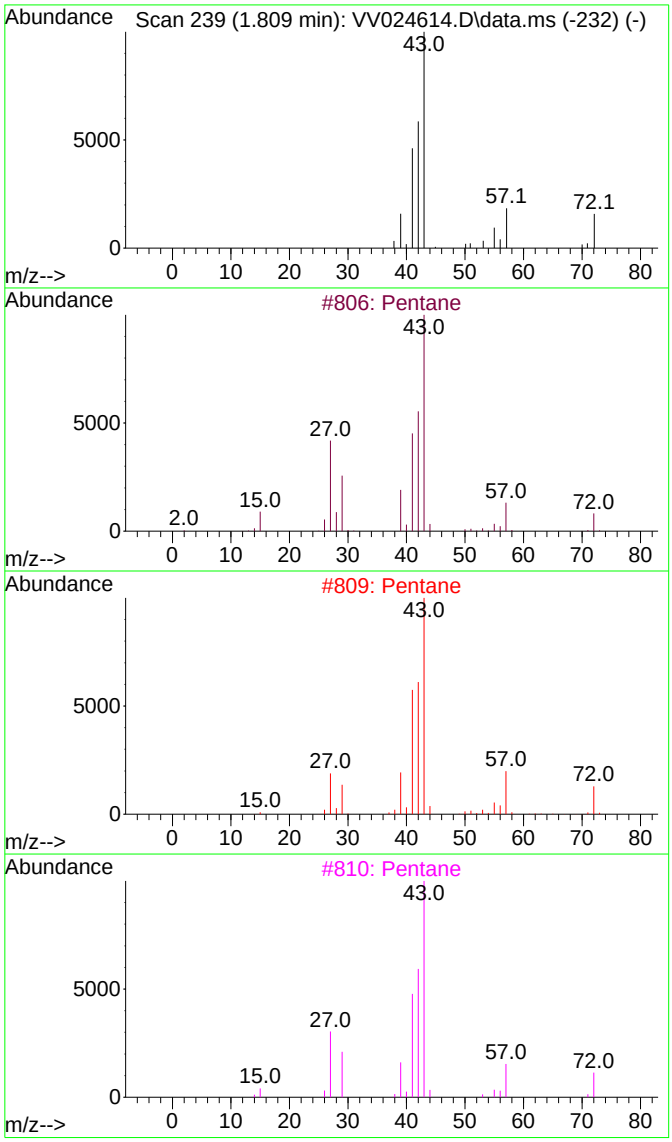
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0

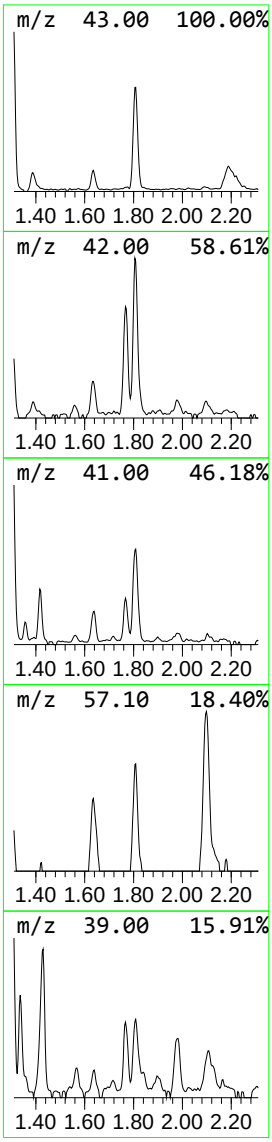
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.809	0.69 ug/L	38864	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	83
3	Pentane	72	C5H12	000109-66-0	83
4	Pentane	72	C5H12	000109-66-0	78
5	Pentane	72	C5H12	000109-66-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

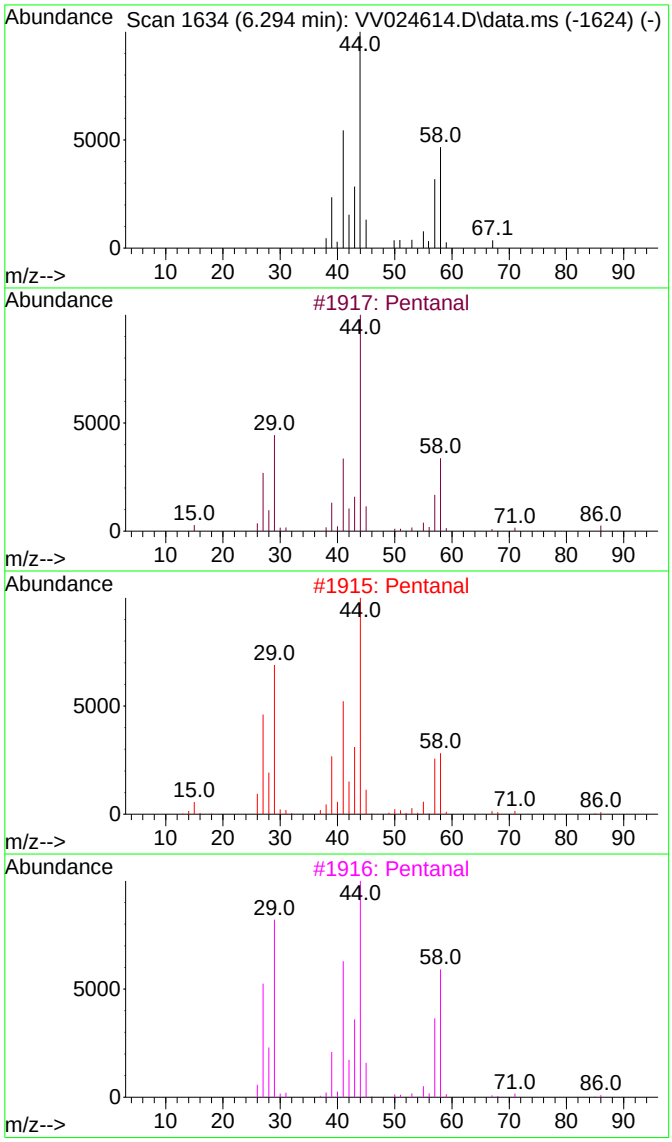
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

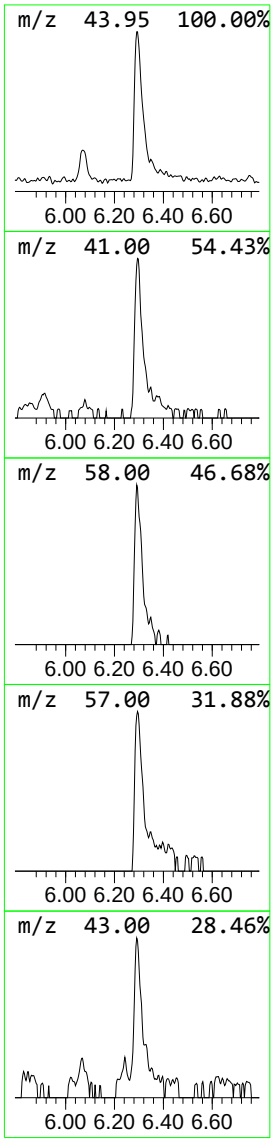
****

Peak Number 6 Pentanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.294	0.57 ug/L	31937	1,4-Difluorobenzene	5.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	83
2	Pentanal	86	C5H10O	000110-62-3	78
3	Pentanal	86	C5H10O	000110-62-3	78
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	33
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

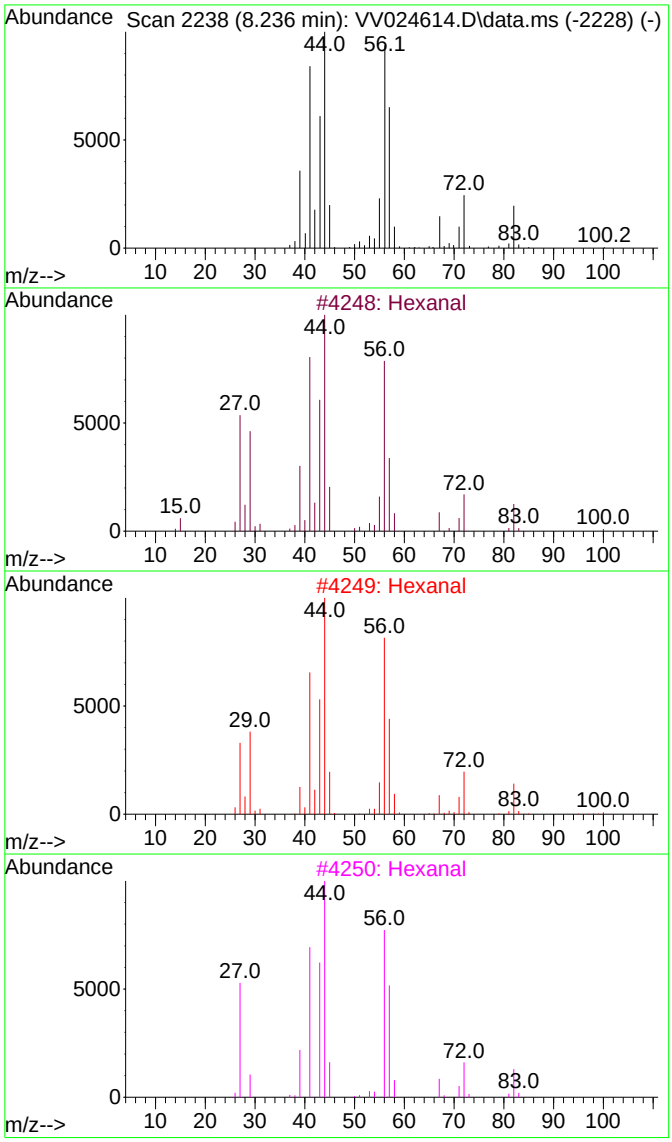
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

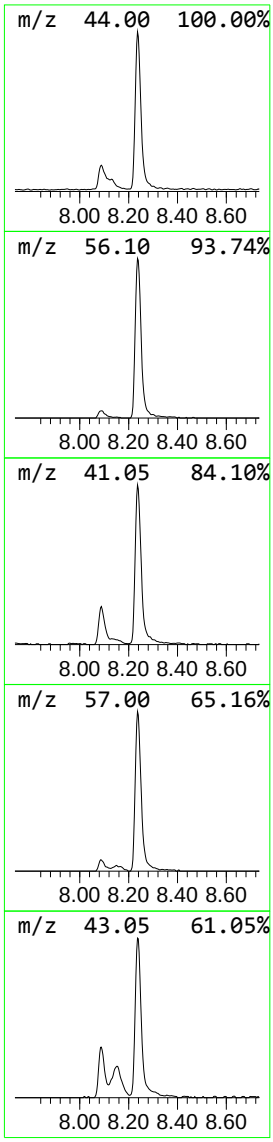
****

Peak Number 8 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.236	3.83 ug/L	280668	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	91
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	86
5	Hexanal	100	C6H12O	000066-25-1	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

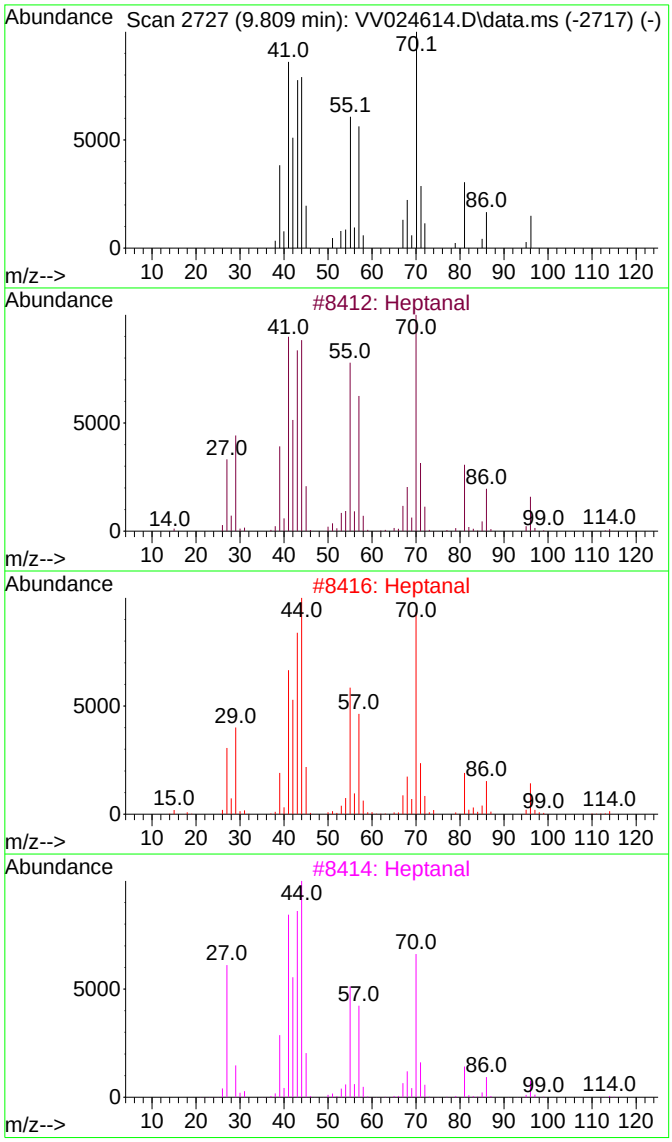
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

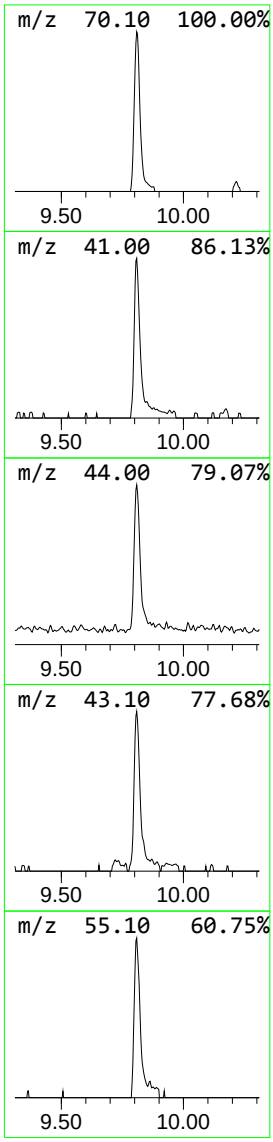
****

Peak Number 9 Heptanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.809	0.73 ug/L	53784	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	72
3	Heptanal	114	C7H14O	000111-71-7	72
4	Heptanal	114	C7H14O	000111-71-7	53
5	Heptanal	114	C7H14O	000111-71-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

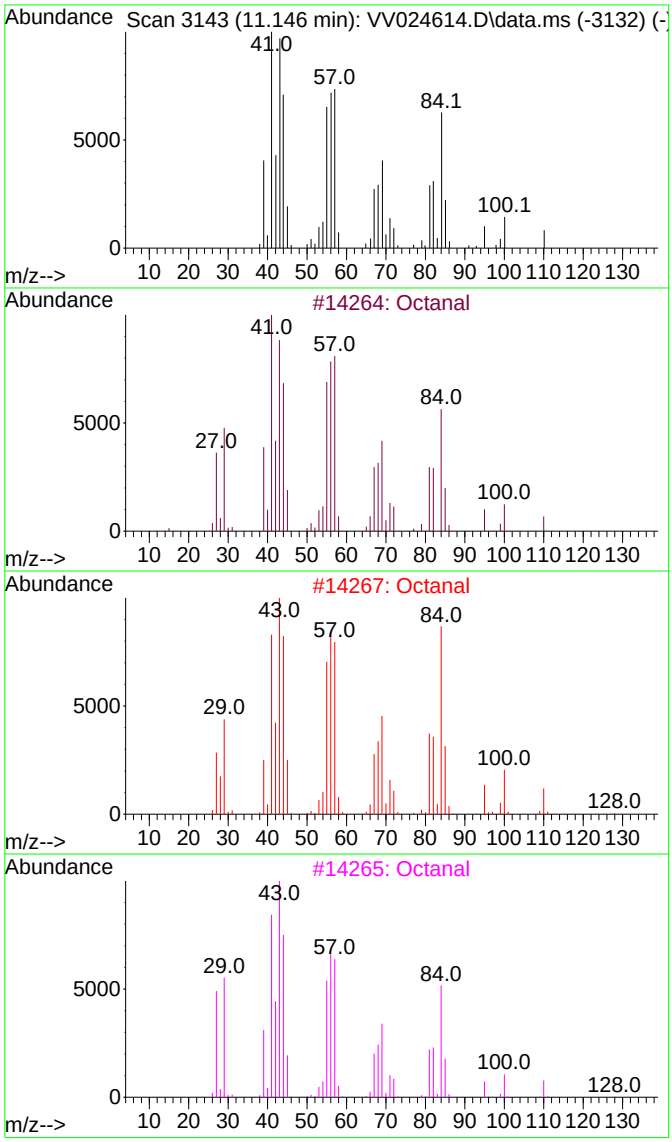
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

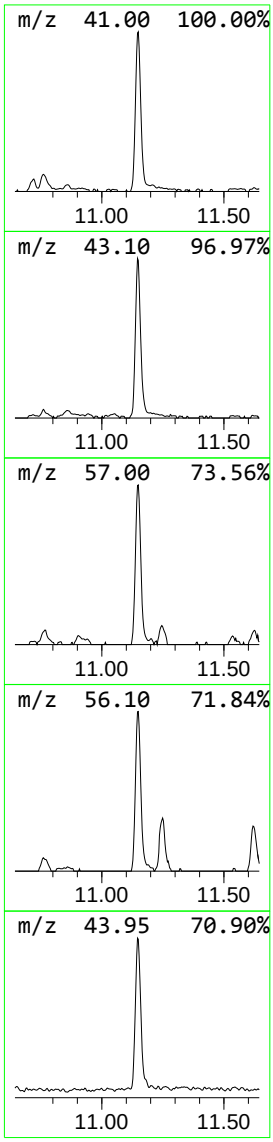
****

Peak Number 10 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	1.93 ug/L	150759	1,4-Dichlorobenzene-d4	11.249

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





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Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

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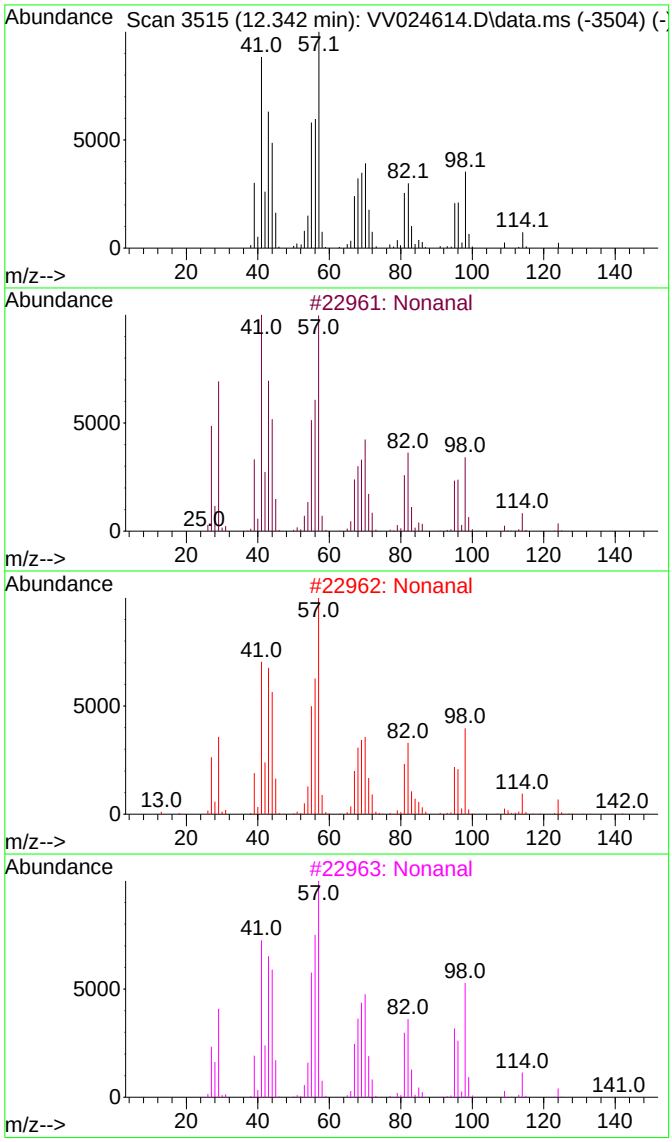
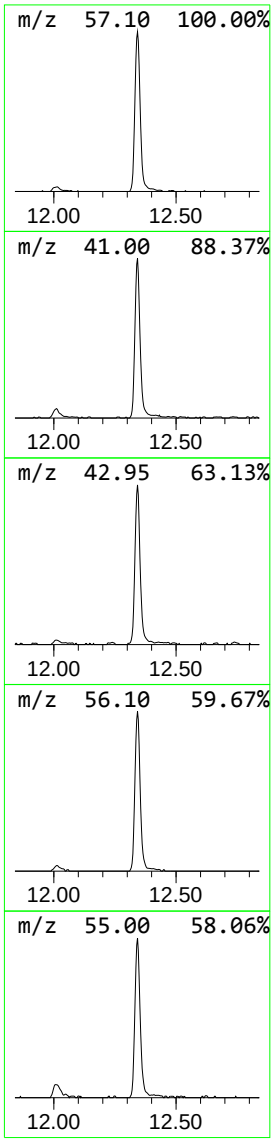
Peak Number 11 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.342	3.62 ug/L	282819	1,4-Dichlorobenzene-d4	11.249

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	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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

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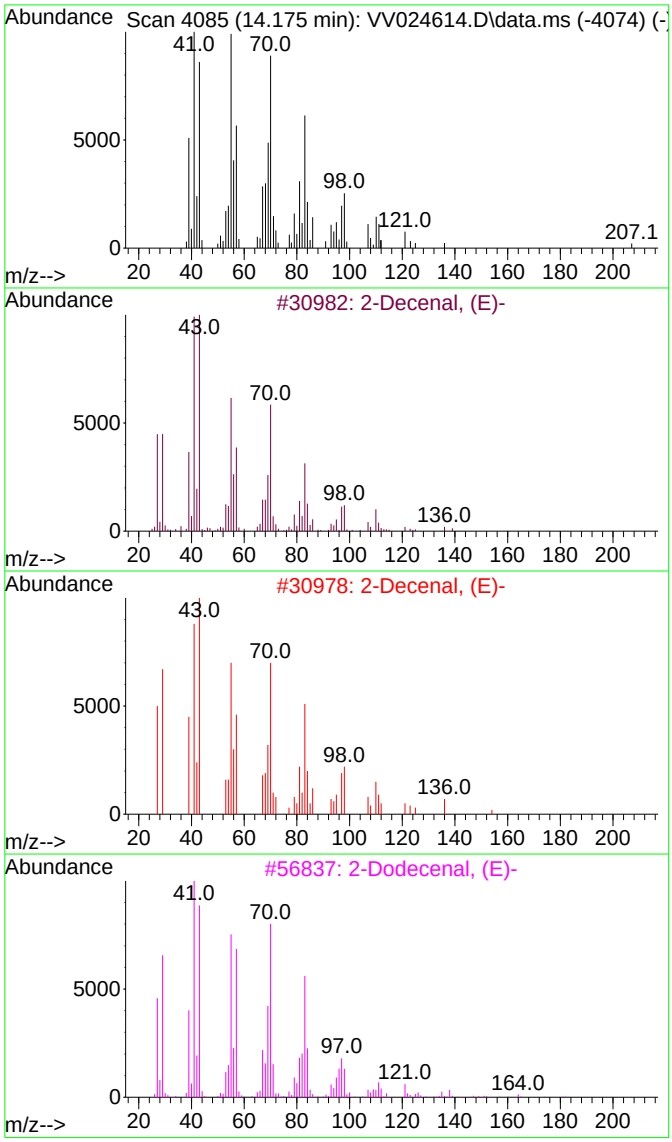
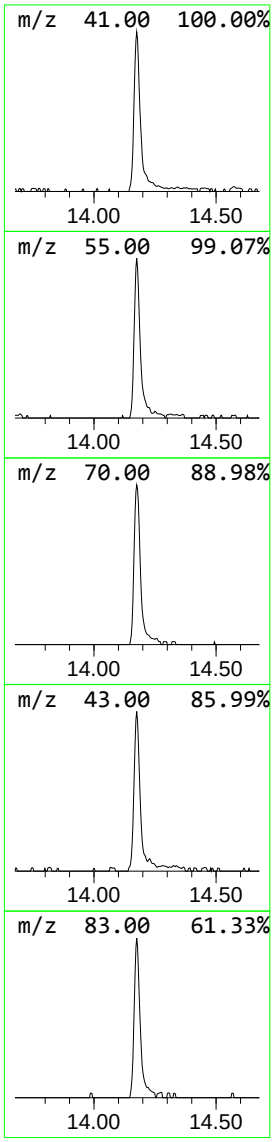
Peak Number 12 2-Decenal, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	1.66 ug/L	130047	1,4-Dichlorobenzene-d4	11.249

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-Dodecenal, (E)-	182	C12H22O	020407-84-5	64
4	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	59
5	2-Decenal, (Z)-	154	C10H18O	002497-25-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021122\
Data File : VV024614.D
Acq On : 11 Feb 2022 19:18
Operator : SY/MD
Sample : N1476-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFY00

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...	1.108	2.1	ug/L	117594	1	5.619	281652	5.0
Propyne	1.179	0.7	ug/L	40915	1	5.619	281652	5.0
unknown-01	1.204	1.0	ug/L	55170	1	5.619	281652	5.0
1-Butyne	1.426	0.5	ug/L	28889	1	5.619	281652	5.0
(DEL) Alkane: S...	1.809	0.7	ug/L	38864	1	5.619	281652	5.0
Pentanal	6.294	0.6	ug/L	31937	1	5.619	281652	5.0
Hexanal	8.236	3.8	ug/L	280668	2	8.850	366736	5.0
Heptanal	9.809	0.7	ug/L	53784	2	8.850	366736	5.0
Octanal	11.146	1.9	ug/L	150759	3	11.249	391110	5.0
Nonanal	12.342	3.6	ug/L	282819	3	11.249	391110	5.0
2-Decenal, (E)-	14.175	1.7	ug/L	130047	3	11.249	391110	5.0