LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

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\SFAMUTR122022WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU052560.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.359	3	6	29	rVB	4534299	4105298	37.18%	13.870%
2	1.491	40	47	68	rBV	172446	185447	1.68%	0.627%
3	1.588	68	77	94	rBV2	1940060	2947462	26.69%	9.958%
4	1.732	115	122	143	rVB	358435	444221	4.02%	1.501%
5	1.909	167	177	195	rVB3	173115	260877	2.36%	0.881%
6	1.996	195	204	222	rVB	175169	244685	2.22%	0.827%
7	2.157	243	254	262	rBV	531210	732828	6.64%	2.476%
8	2.215	262	272	294	rVB4	416577	843144	7.64%	2.849%
9	2.417	319	335	344	rBV	208603	341865	3.10%	1.155%
10	2.568	369	382	394	rVB2	141863	244404	2.21%	0.826%
11	2.858	461	472	488	rVB	69671	124042	1.12%	0.419%
12	2.980	492	510	517	rBV5	62545	169709	1.54%	0.573%
13	3.584	681	698	719	rVV3	187202	466140	4.22%	1.575%
14	3.697	720	733	751	rVB2	58858	133582	1.21%	0.451%
15	4.192	869	887	902	rBV3	54895	143540	1.30%	0.485%
16	4.649	1011	1029	1086	rBV2	126981	566766	5.13%	1.915%
17	5.060	1140	1157	1180	rVB2	148865	395690	3.58%	1.337%
18	5.723	1338	1363	1375	rBV2	285349	777868	7.04%	2.628%
19	6.022	1447	1456	1477	rVB4	60675	150582	1.36%	0.509%
20	6.247	1513	1526	1537	rBV	274107	541237	4.90%	1.829%
21	6.542	1603	1618	1636	rBV3	121062	262123	2.37%	0.886%
22	6.687	1644	1663	1679	rBV	193251	384524	3.48%	1.299%
23	7.562	1923	1935	1947	rBV	97774	173737	1.57%	0.587%
24	7.893	2016	2038	2051	rBV	338784	592427	5.37%	2.002%
25	8.549	2227	2242	2257	rBV	6638122	11041993	100.00%	37.306%
26	8.632	2257	2268	2306	rVB	626680	1229702	11.14%	4.155%
27	9.414	2497	2511	2528	rBV	381255	644977	5.84%	2.179%
28	10.751	2916	2927	2946	rVB	166792	266733	2.42%	0.901%
29	11.806	3243	3255	3271	rBV	396878	633794	5.74%	2.141%
30	12.188	3361	3374	3395	rVB	338703	549204	4.97%	1.856%

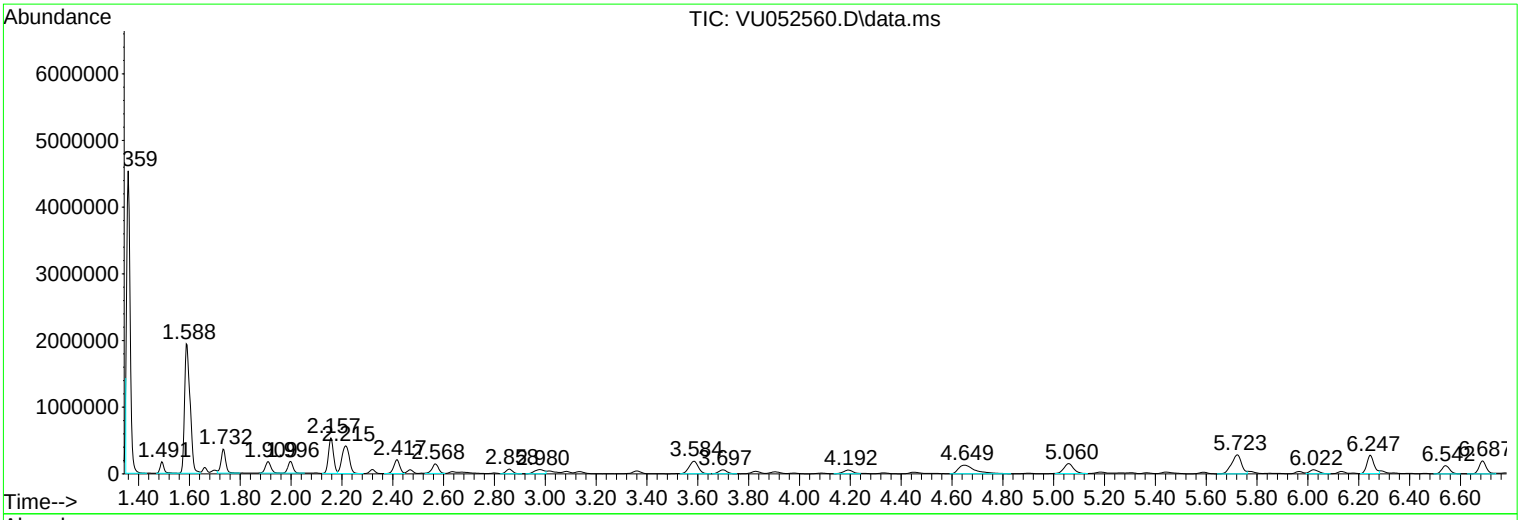
Sum of corrected areas: 29598601

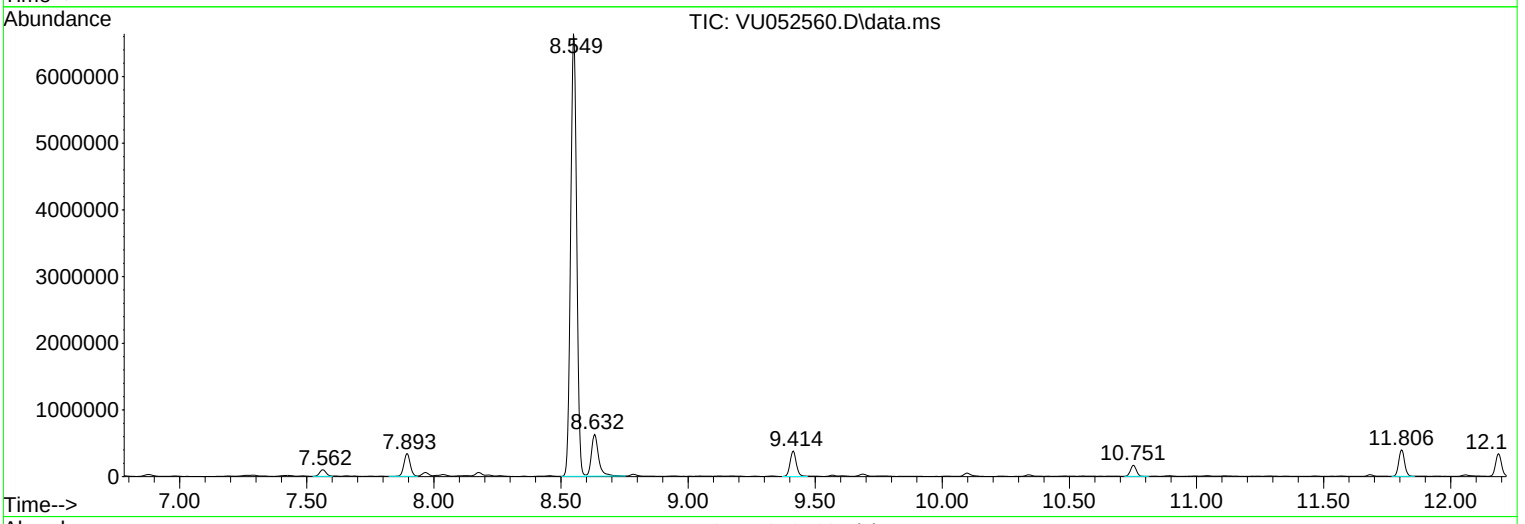
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

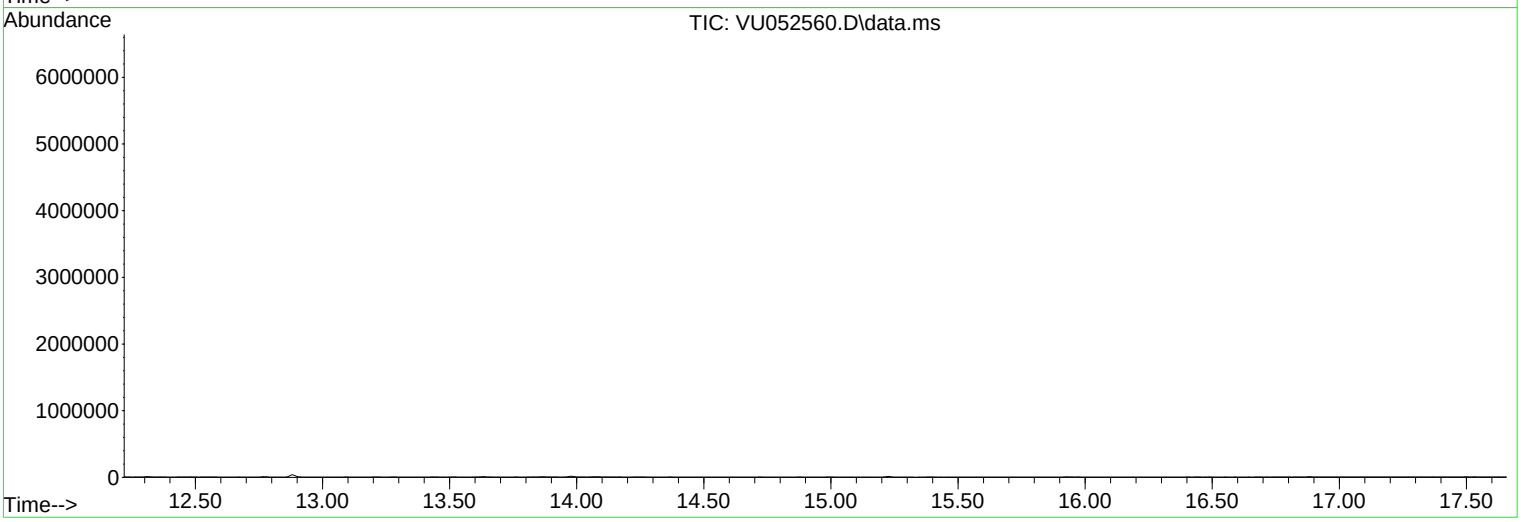
Instrument :
MSVOA_U
ClientSampleId :
GBQC9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.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\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

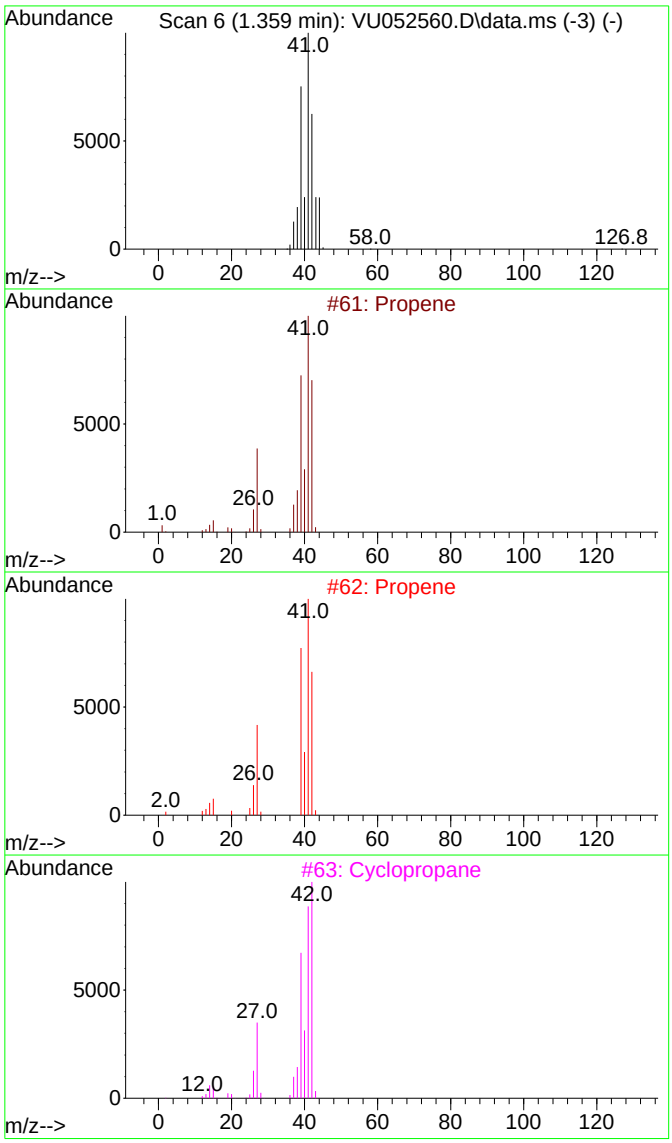
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

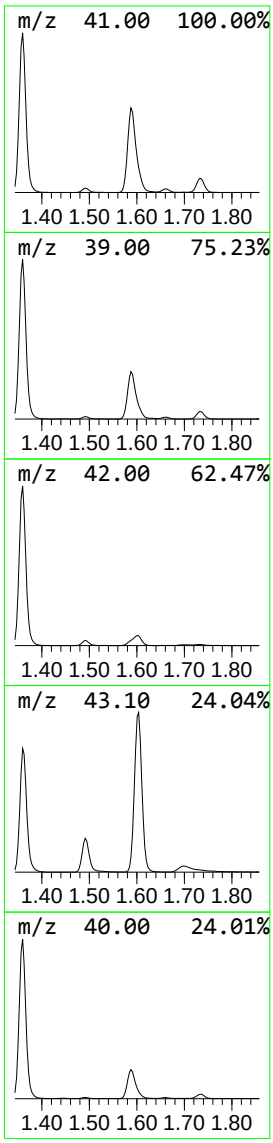
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.359	37.93 ug/L	4105300	1,4-Difluorobenzene	6.247

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	16
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropene	40	C3H4	002781-85-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

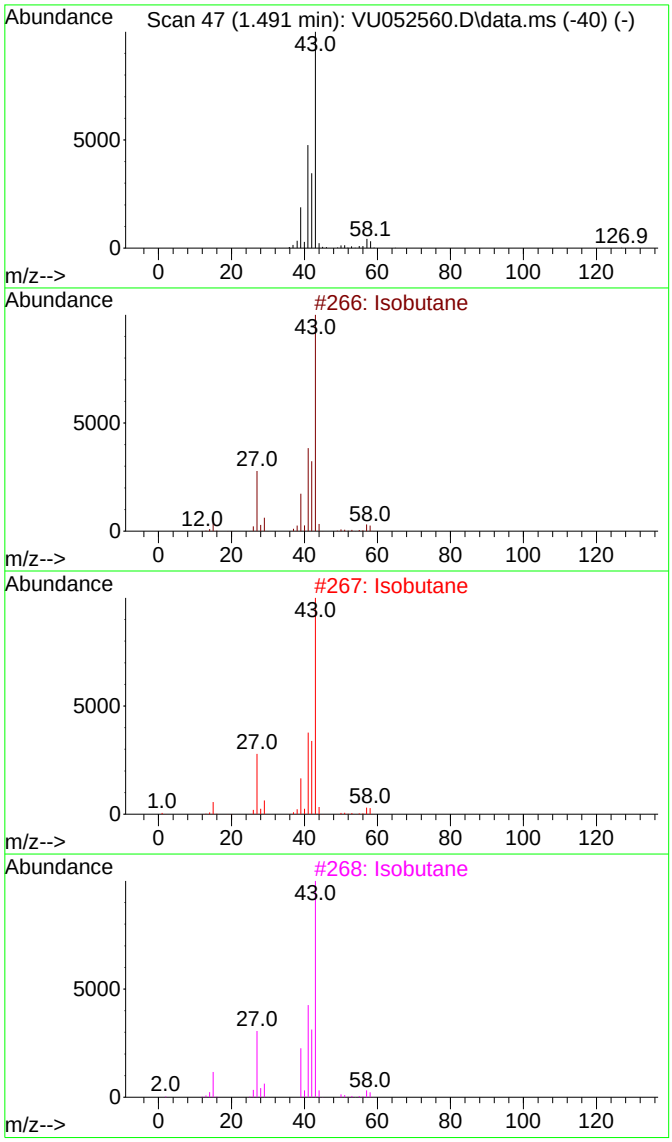
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

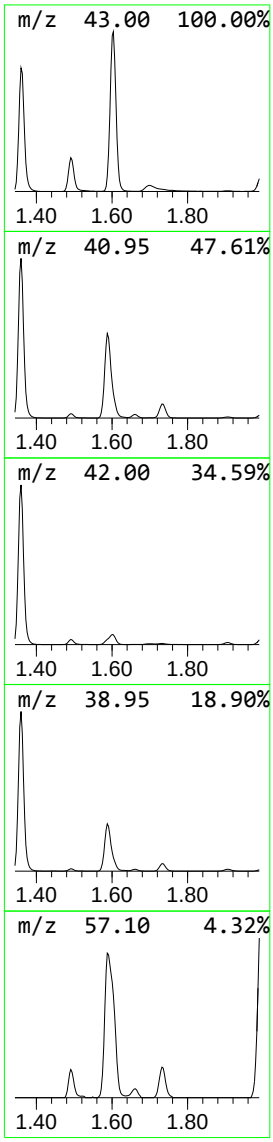
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.491	1.71 ug/L	185447	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	45
5	Isobutane	58	C4H10	000075-28-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

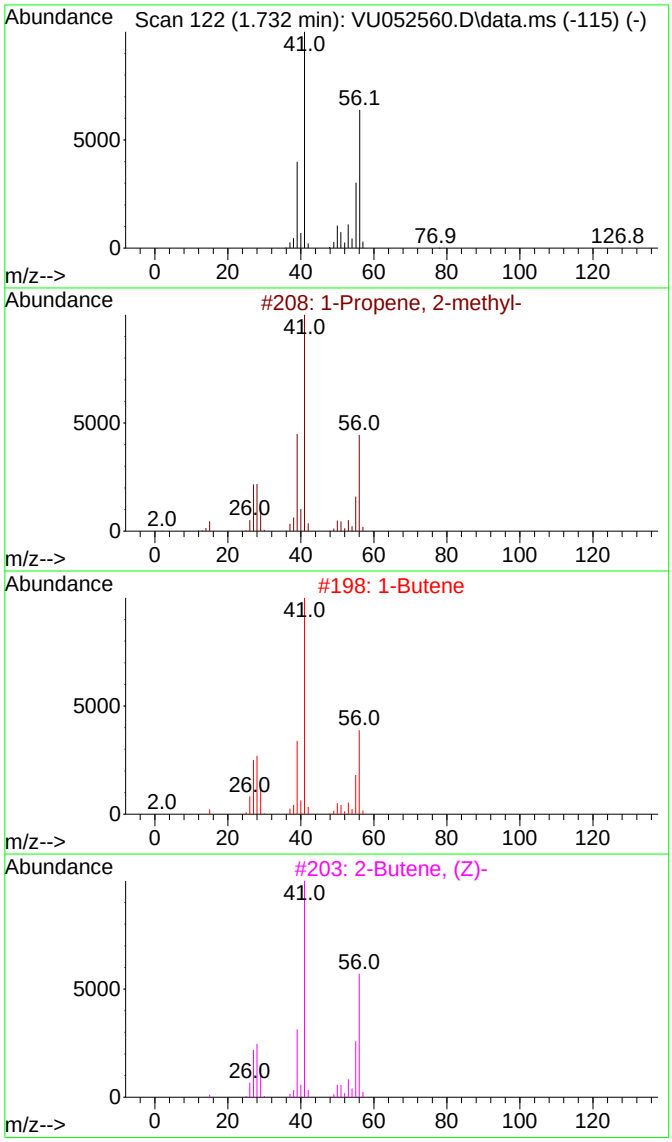
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

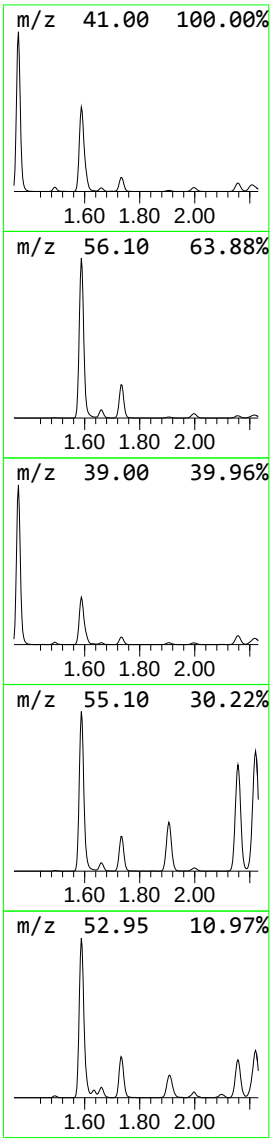
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.732	4.10 ug/L	444221	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
2	1-Butene	56	C4H8	000106-98-9	83
3	2-Butene, (Z)-	56	C4H8	000590-18-1	83
4	1-Butene	56	C4H8	000106-98-9	83
5	1-Butene	56	C4H8	000106-98-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

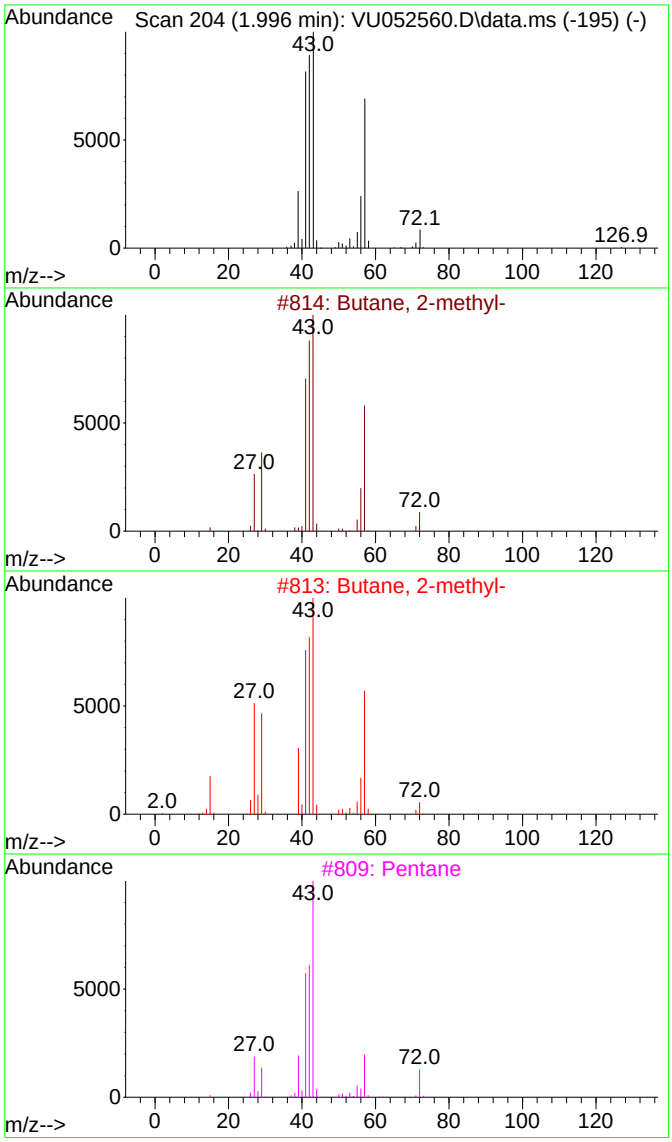
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

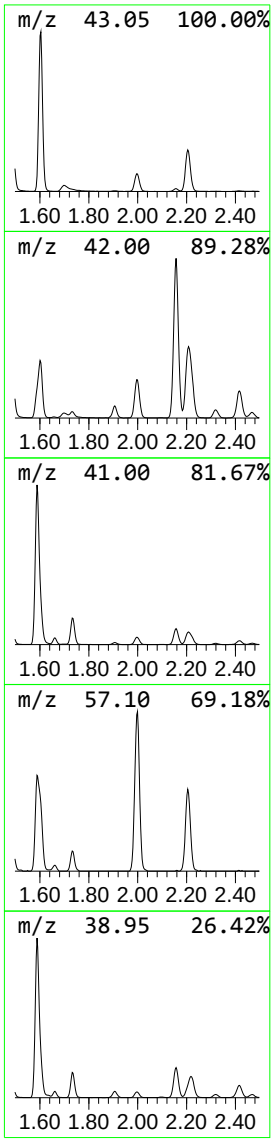
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.996	2.26 ug/L	244685	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Pentane	72	C5H12	000109-66-0	36
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	17
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

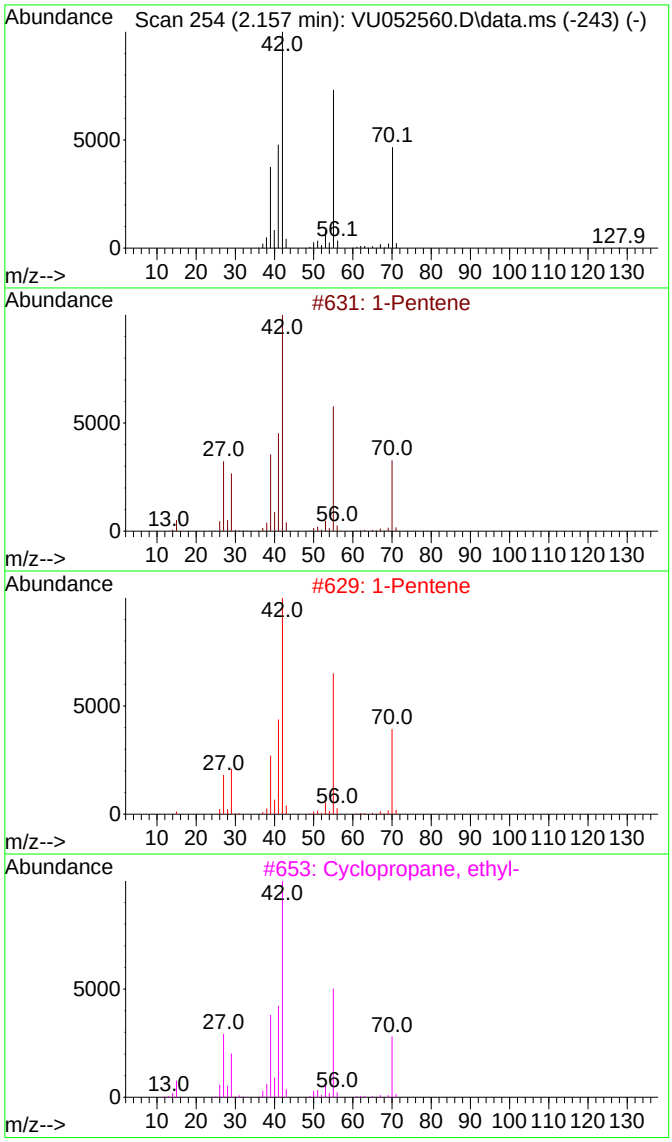
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

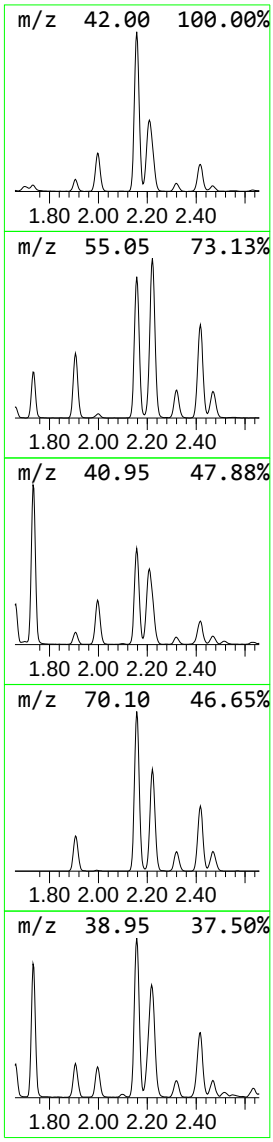
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	6.77 ug/L	732828	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	91
2	1-Pentene	70	C5H10	000109-67-1	91
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	91
4	1-Pentene	70	C5H10	000109-67-1	90
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

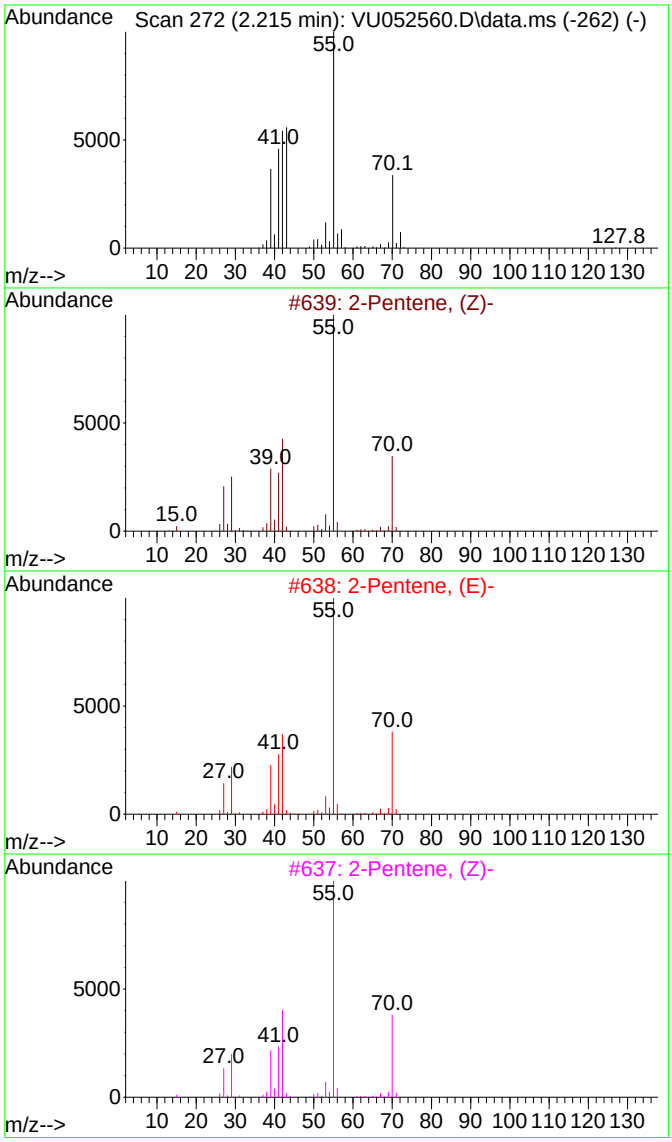
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

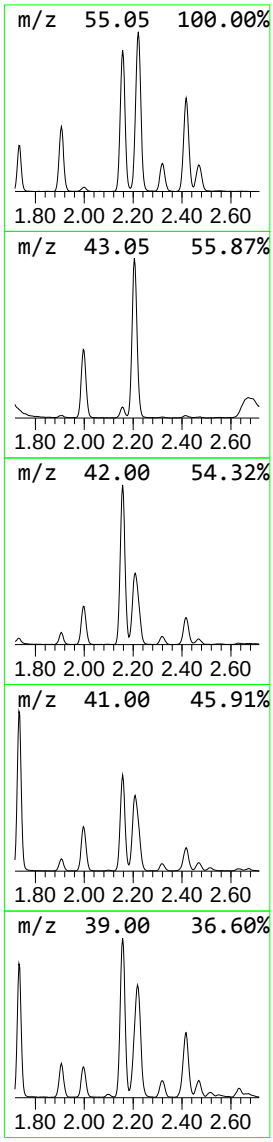
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.215	7.79 ug/L	843144	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
2	2-Pentene, (E)-	70	C5H10	000646-04-8	83
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
4	2-Pentene	70	C5H10	000109-68-2	80
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

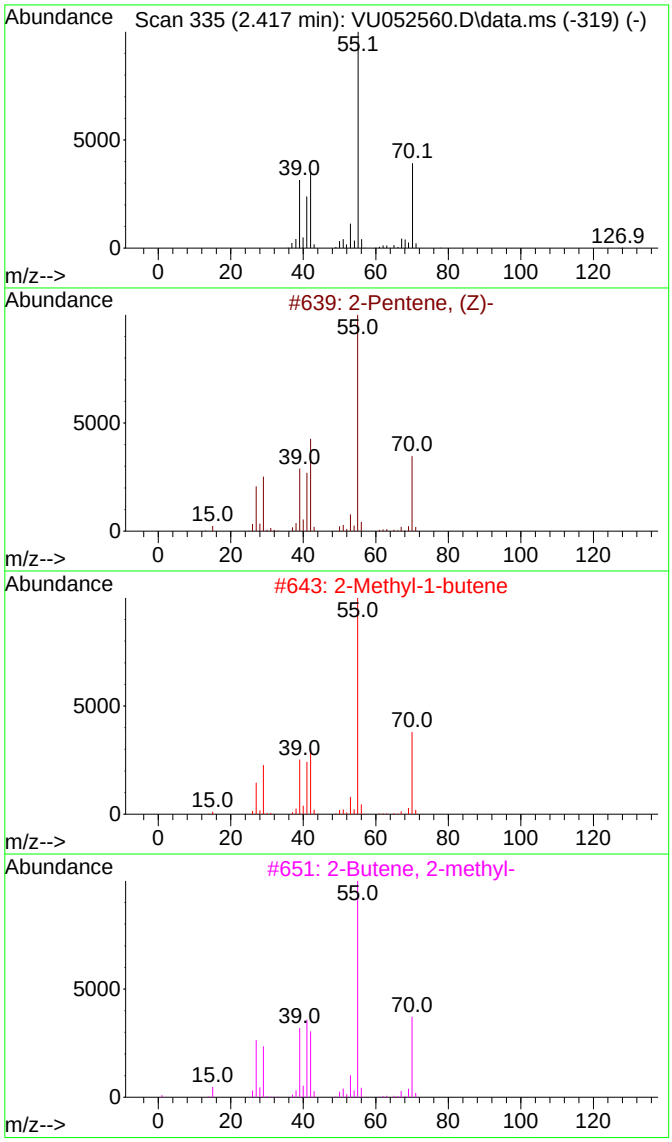
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

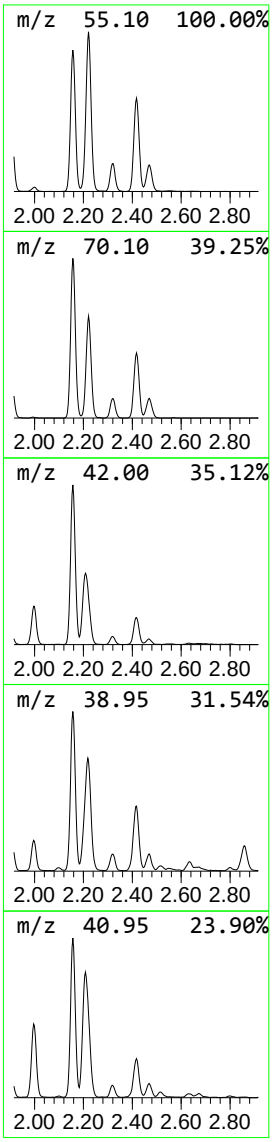
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.417	3.16 ug/L	341865	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	2-Methyl-1-butene	70	C5H10	000563-46-2	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Pentene	70	C5H10	000109-68-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

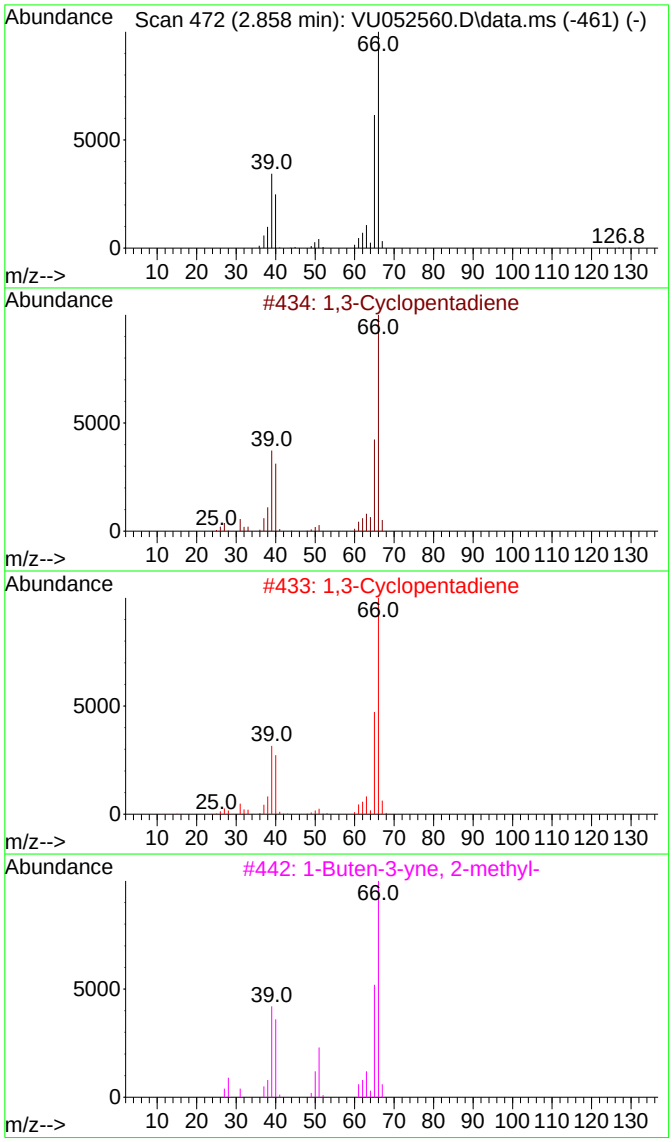
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

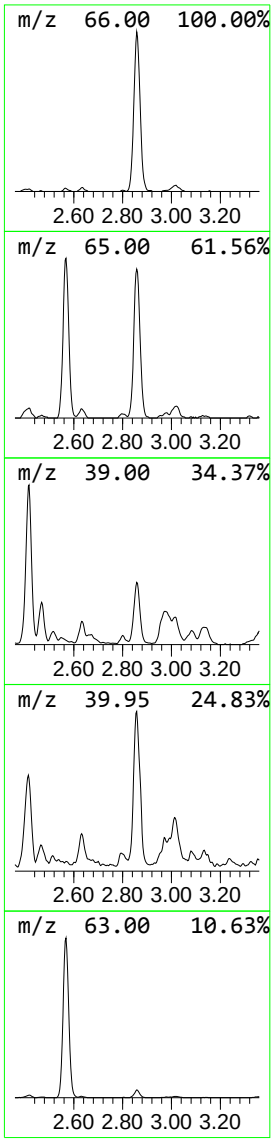
****

Peak Number 8 1,3-Cyclopentadiene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.858	1.15 ug/L	124042	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene	66	C5H6	000542-92-7	91
2	1,3-Cyclopentadiene	66	C5H6	000542-92-7	91
3	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	90
4	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	83
5	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

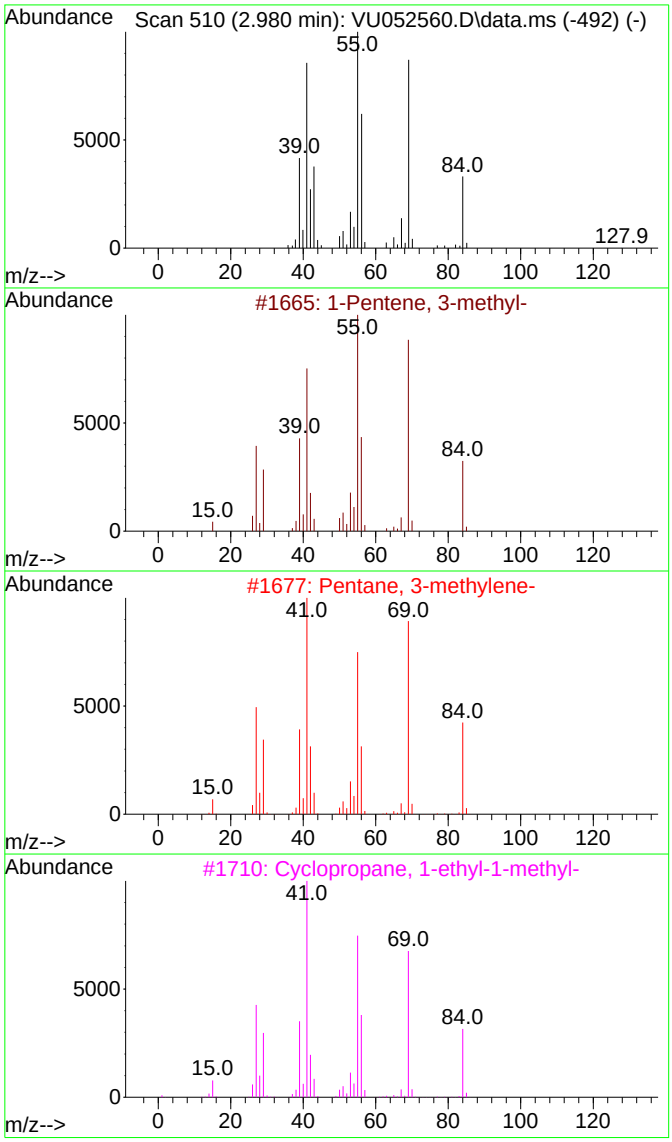
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

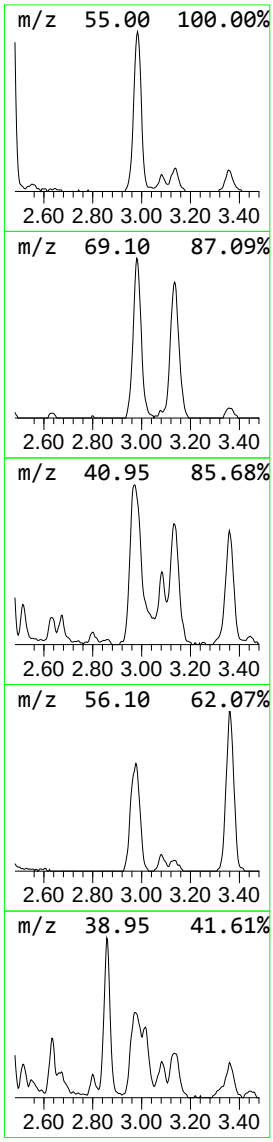
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.980	1.57 ug/L	169709	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	87
2	Pentane, 3-methylene-	84	C6H12	000760-21-4	87
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	81
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	81
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

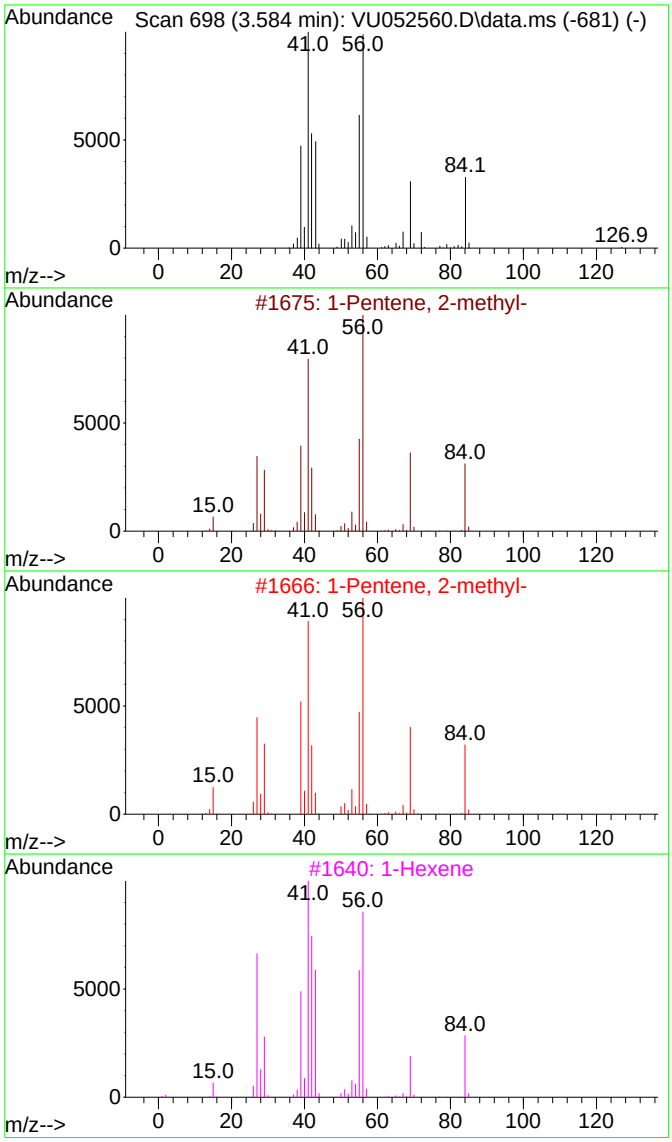
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

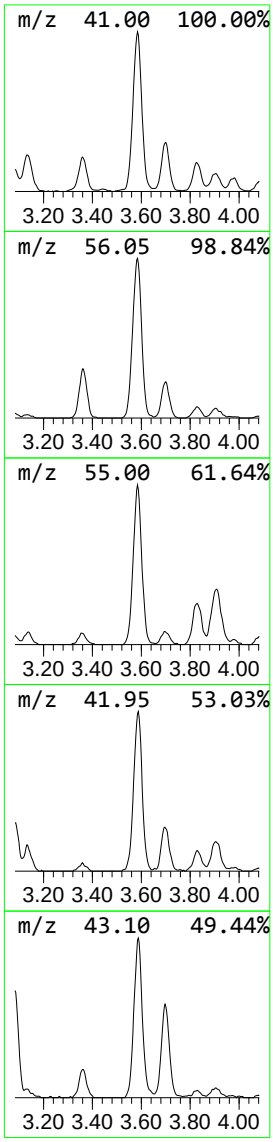
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.584	4.31 ug/L	466140	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	83
3	1-Hexene	84	C6H12	000592-41-6	81
4	1-Hexene	84	C6H12	000592-41-6	76
5	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

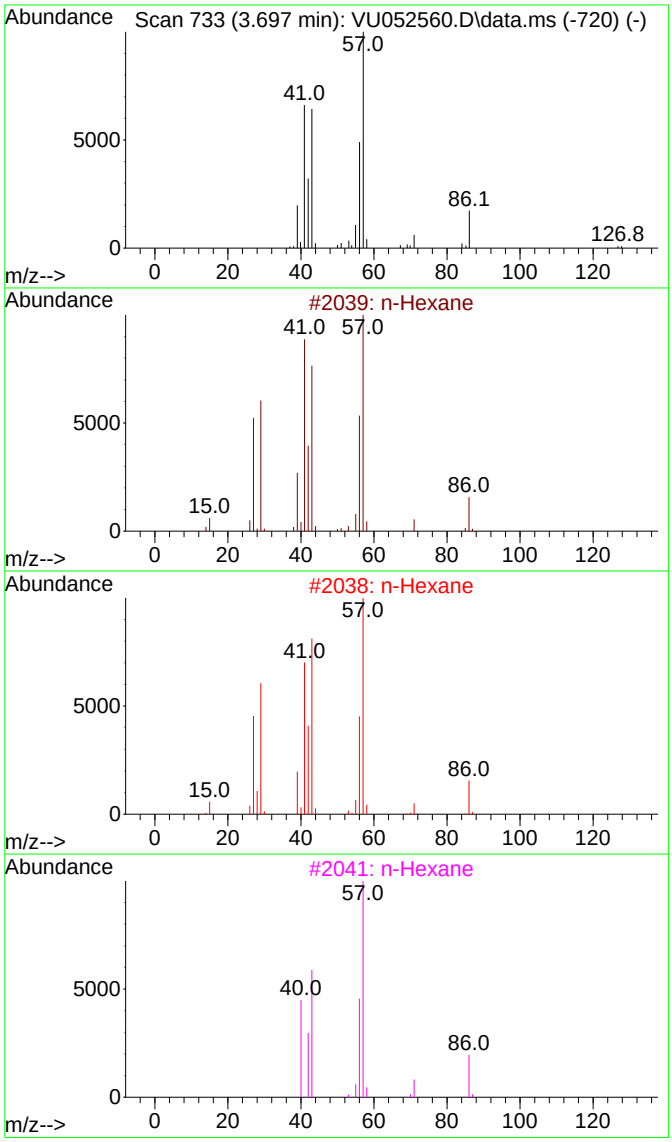
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

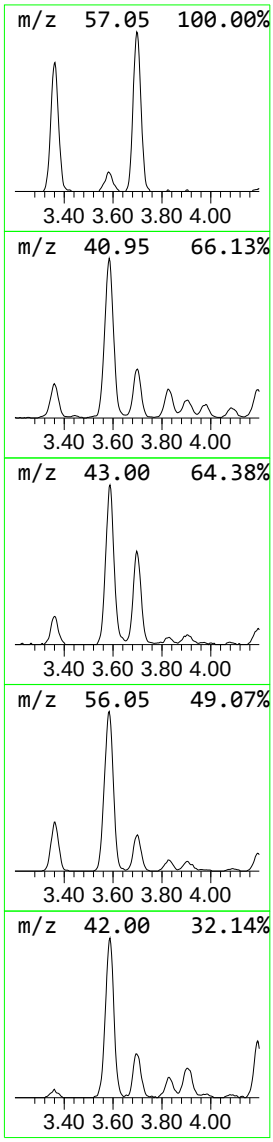
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.697	1.23 ug/L	133582	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	87
3	n-Hexane	86	C6H14	000110-54-3	86
4	n-Hexane	86	C6H14	000110-54-3	83
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

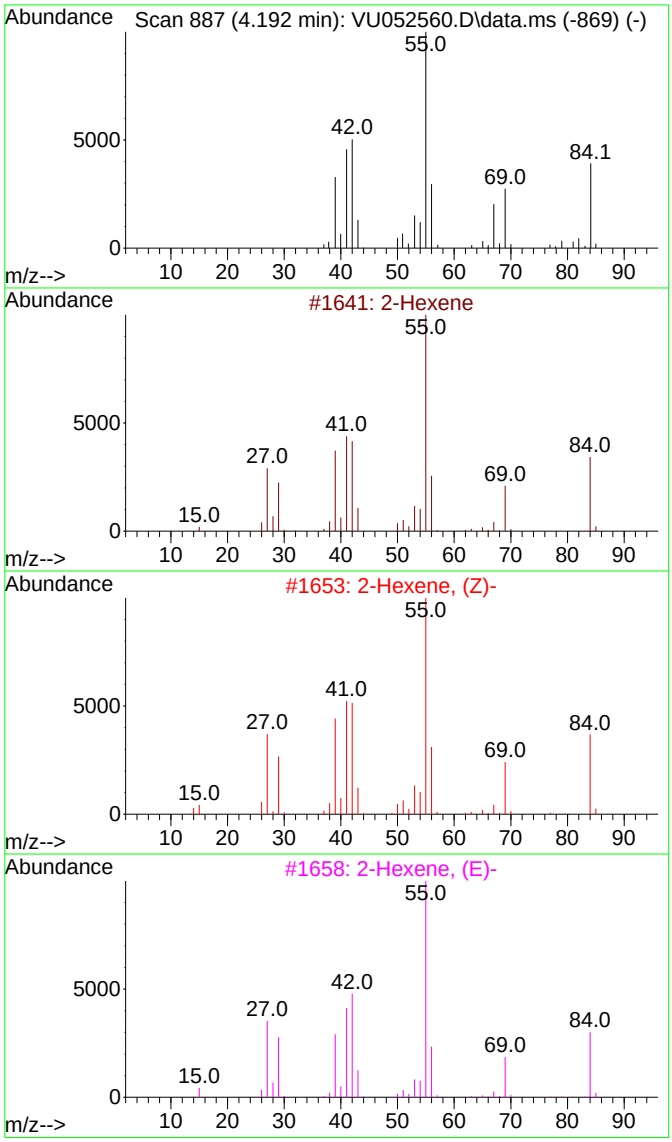
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

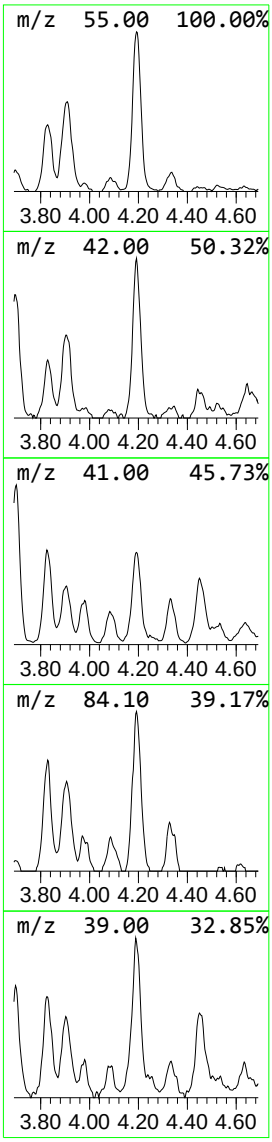
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.192	1.33 ug/L	143540	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	87
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
3	2-Hexene, (E)-	84	C6H12	004050-45-7	87
4	2-Hexene	84	C6H12	000592-43-8	83
5	3-Hexene, (E)-	84	C6H12	013269-52-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

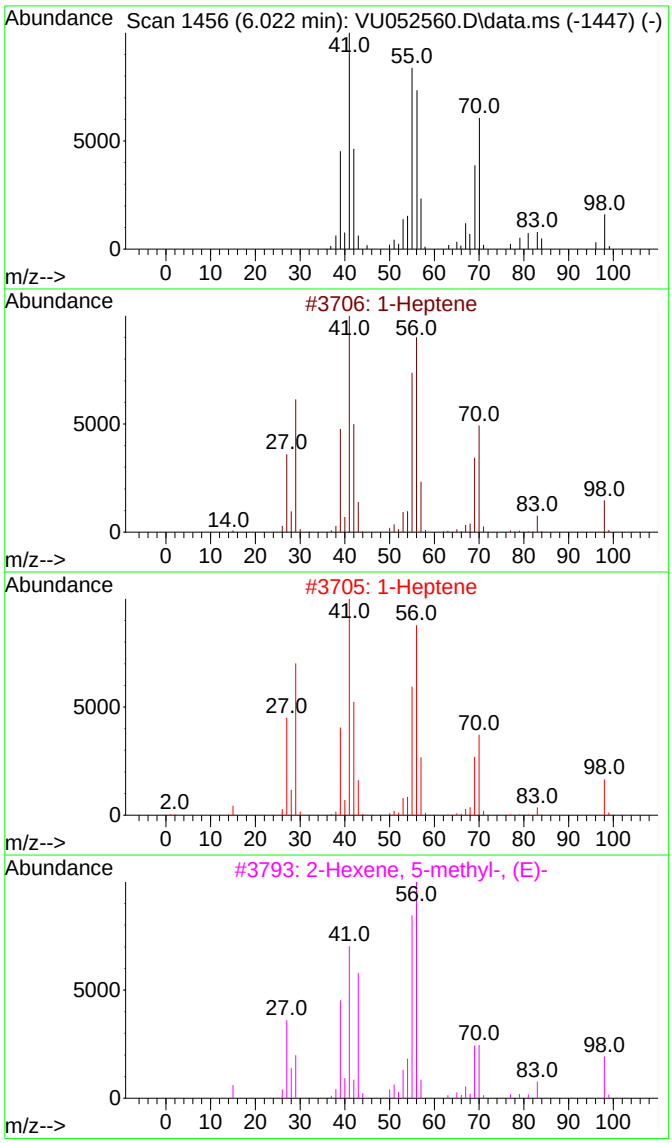
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

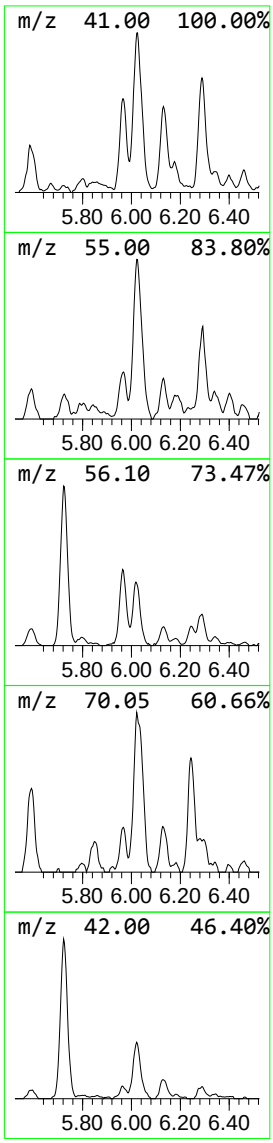
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.022	1.39 ug/L	150582	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	94
2	1-Heptene	98	C7H14	000592-76-7	74
3	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	62
4	2-Heptene	98	C7H14	000592-77-8	62
5	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052560.D
Acq On : 27 Dec 2022 13:31
Operator : JC/MD
Sample : N6171-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.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...	1.359	37.9	ug/L	4105300	1	6.247	541237	5.0
(DEL) Alkane: S...	1.491	1.7	ug/L	185447	1	6.247	541237	5.0
(DEL) Alkane: S...	1.732	4.1	ug/L	444221	1	6.247	541237	5.0
(DEL) Alkane: S...	1.996	2.3	ug/L	244685	1	6.247	541237	5.0
(DEL) Alkane: S...	2.157	6.8	ug/L	732828	1	6.247	541237	5.0
(DEL) Alkane: S...	2.215	7.8	ug/L	843144	1	6.247	541237	5.0
(DEL) Alkane: S...	2.417	3.2	ug/L	341865	1	6.247	541237	5.0
1,3-Cyclopentad...	2.858	1.1	ug/L	124042	1	6.247	541237	5.0
(DEL) Alkane: S...	2.980	1.6	ug/L	169709	1	6.247	541237	5.0
(DEL) Alkane: S...	3.584	4.3	ug/L	466140	1	6.247	541237	5.0
(DEL) Alkane: S...	3.697	1.2	ug/L	133582	1	6.247	541237	5.0
(DEL) Alkane: S...	4.192	1.3	ug/L	143540	1	6.247	541237	5.0
(DEL) Alkane: S...	6.022	1.4	ug/L	150582	1	6.247	541237	5.0