LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

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: VU052559.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	27	rVB	3877668	3497775	35.28%	12.928%
2	1.491	40	47	68	rBV	128170	139089	1.40%	0.514%
3	1.588	68	77	94	rBV2	1686473	2492604	25.14%	9.213%
4	1.732	115	122	140	rVB	326462	404457	4.08%	1.495%
5	1.909	167	177	193	rVB3	157181	239482	2.42%	0.885%
6	1.996	196	204	217	rVB	127554	174286	1.76%	0.644%
7	2.157	243	254	262	rBV	445575	613111	6.18%	2.266%
8	2.218	262	273	290	rVB4	344342	688353	6.94%	2.544%
9	2.417	319	335	344	rBV	186942	309839	3.12%	1.145%
10	2.568	370	382	394	rVB2	154978	262962	2.65%	0.972%
11	2.858	462	472	488	rVB2	61306	109149	1.10%	0.403%
12	2.980	492	510	517	rBV6	49071	133631	1.35%	0.494%
13	3.584	682	698	720	rVV3	157308	390867	3.94%	1.445%
14	3.697	720	733	752	rVB2	44468	101296	1.02%	0.374%
15	4.192	868	887	901	rBV3	48091	125980	1.27%	0.466%
16	4.649	1012	1029	1086	rVB	135778	581933	5.87%	2.151%
17	5.060	1140	1157	1180	rVB	155637	392839	3.96%	1.452%
18	5.722	1338	1363	1375	rBV2	311153	831729	8.39%	3.074%
19	6.021	1447	1456	1477	rVB4	50843	127755	1.29%	0.472%
20	6.247	1513	1526	1551	rBV	287898	621416	6.27%	2.297%
21	6.539	1604	1617	1637	rVB3	113960	245197	2.47%	0.906%
22	6.687	1649	1663	1680	rBV	202678	402718	4.06%	1.488%
23	7.562	1924	1935	1949	rBV	98539	175032	1.77%	0.647%
24	7.893	2020	2038	2051	rBV	363154	626836	6.32%	2.317%
25	8.549	2227	2242	2257	rBV	5932441	9914851	100.00%	36.646%
26	8.632	2257	2268	2306	rVB	648589	1259373	12.70%	4.655%
27	9.414	2497	2511	2528	rBV	406617	677423	6.83%	2.504%
28	10.751	2915	2927	2942	rVB	174701	276655	2.79%	1.023%
29	11.806	3243	3255	3271	rBV	408523	658528	6.64%	2.434%
30	12.188	3362	3374	3391	rBV	355336	580422	5.85%	2.145%

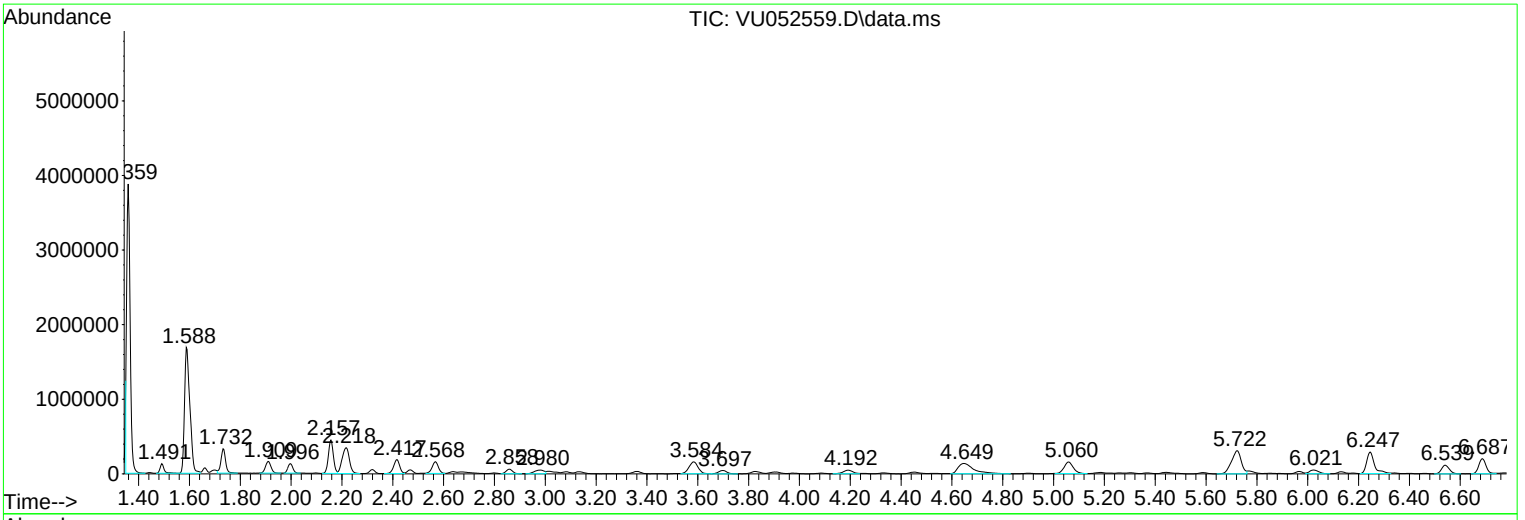
Sum of corrected areas: 27055588

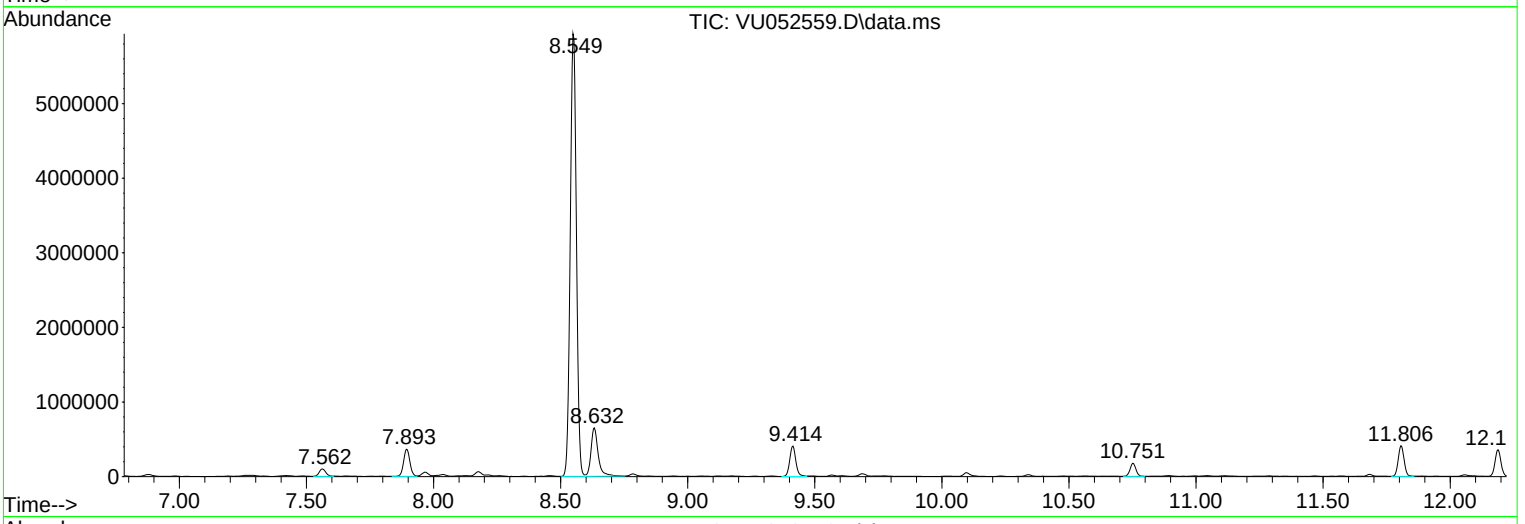
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

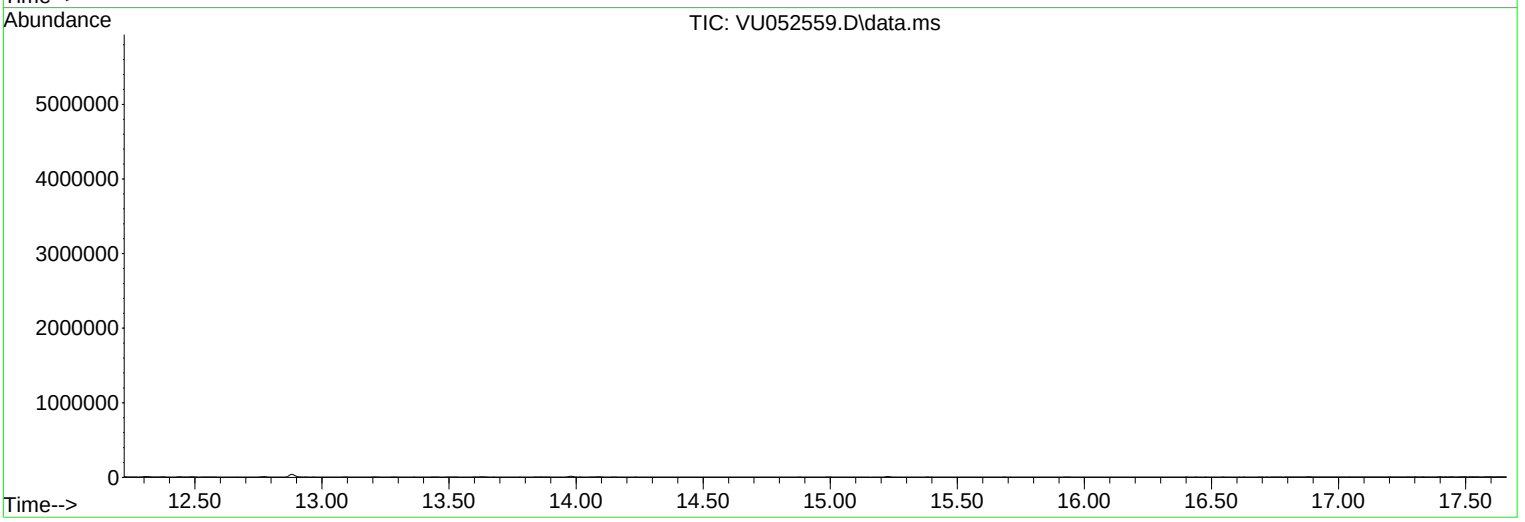
Instrument :
MSVOA_U
ClientSampleId :
GBQC8

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 : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

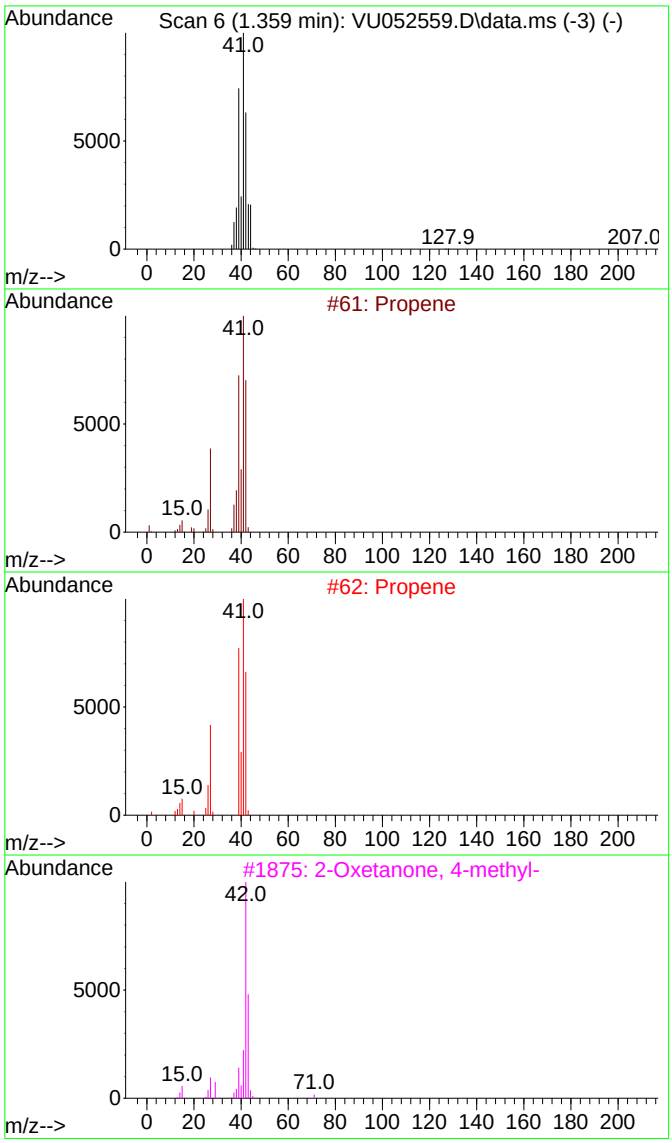
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

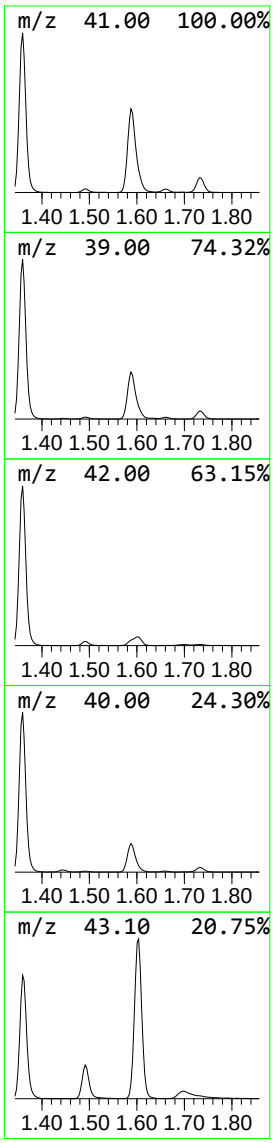
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.359	28.14 ug/L	3497780	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	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	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

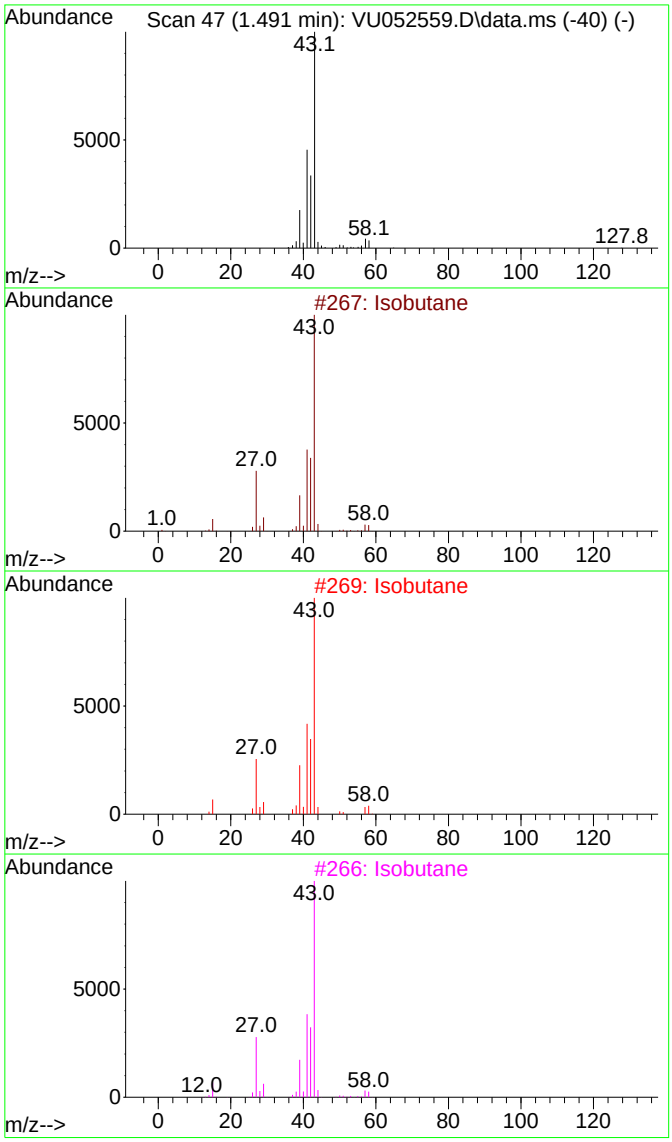
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

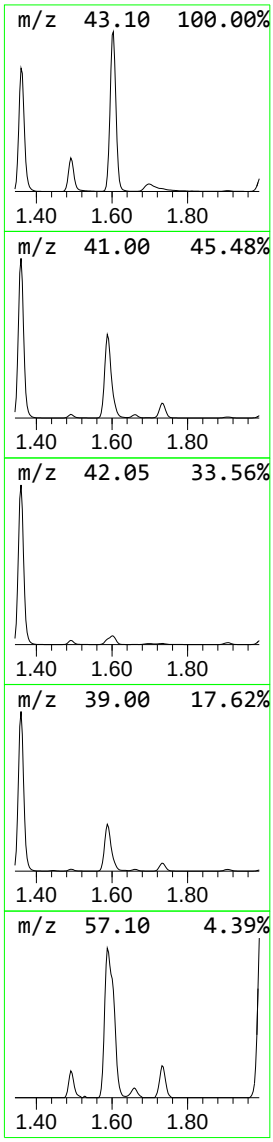
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.491	1.12 ug/L	139089	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	72
4	Isobutane	58	C4H10	000075-28-5	64
5	Isobutane	58	C4H10	000075-28-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

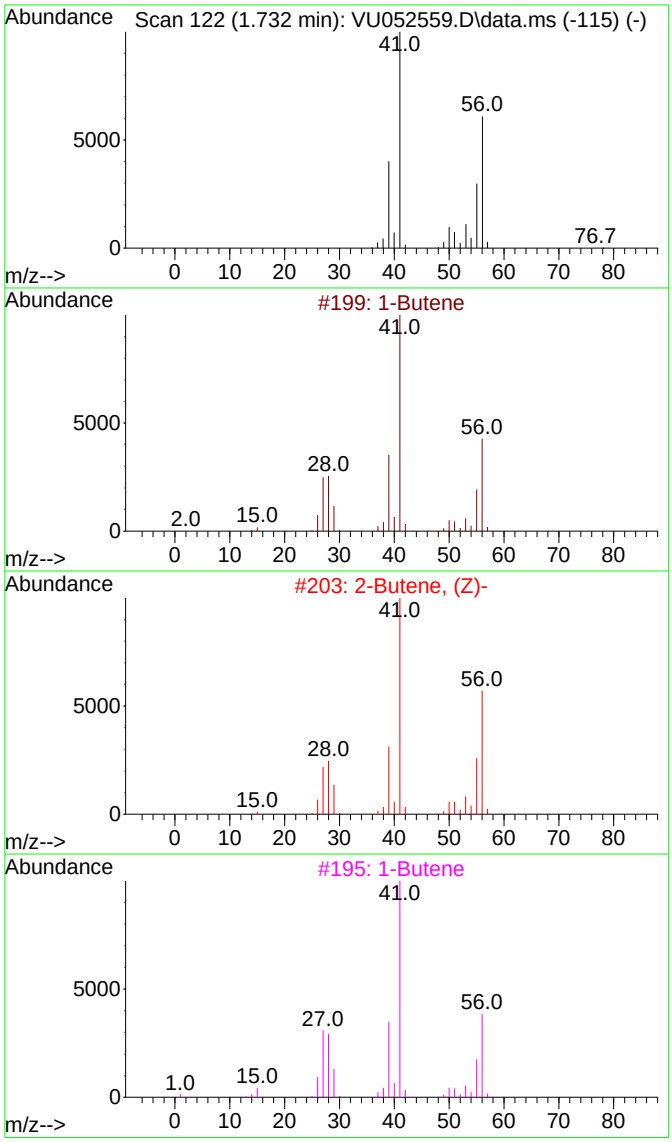
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

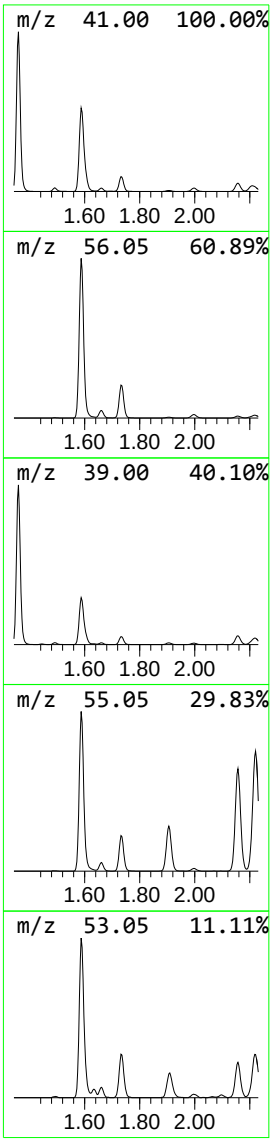
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.732	3.25 ug/L	404457	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	83
2	2-Butene, (Z)-	56	C4H8	000590-18-1	83
3	1-Butene	56	C4H8	000106-98-9	83
4	1-Butene	56	C4H8	000106-98-9	83
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

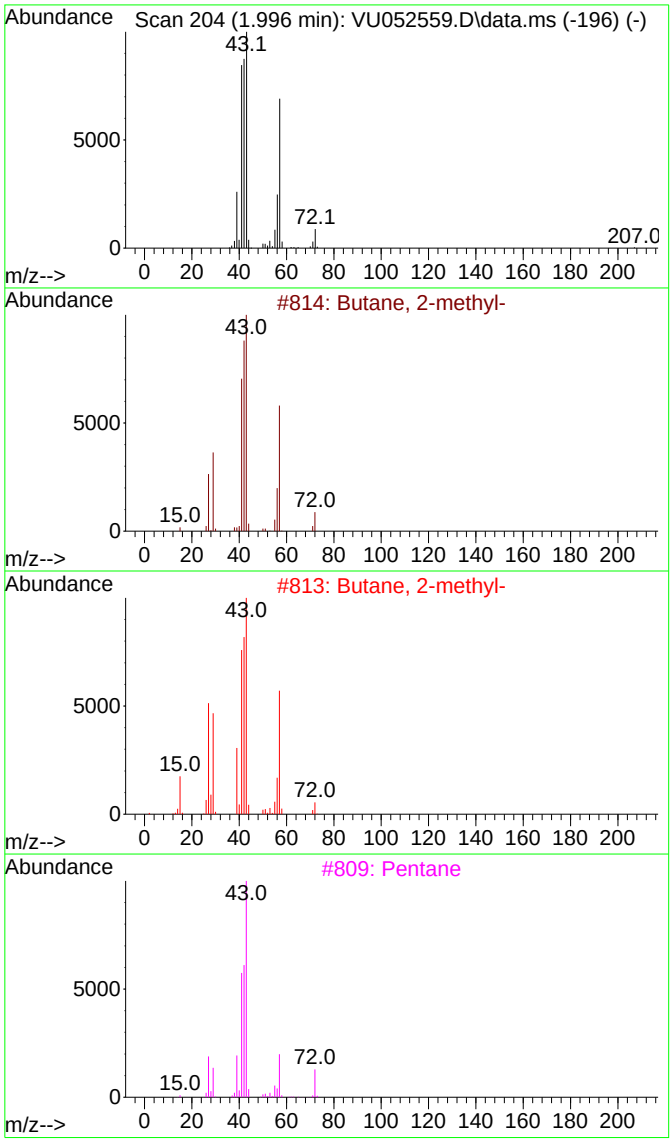
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

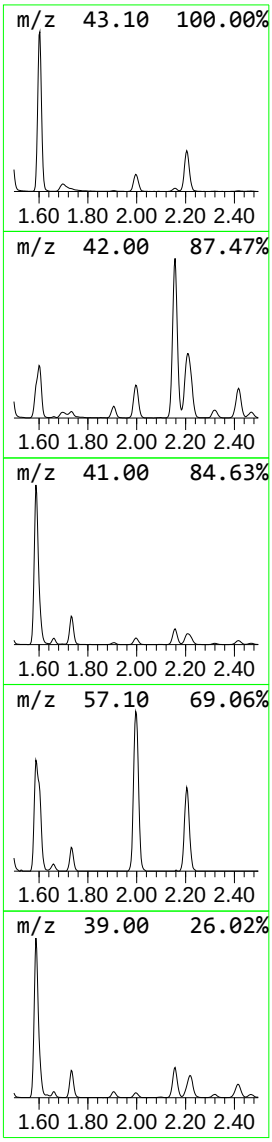
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.996	1.40 ug/L	174286	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	45
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	38
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

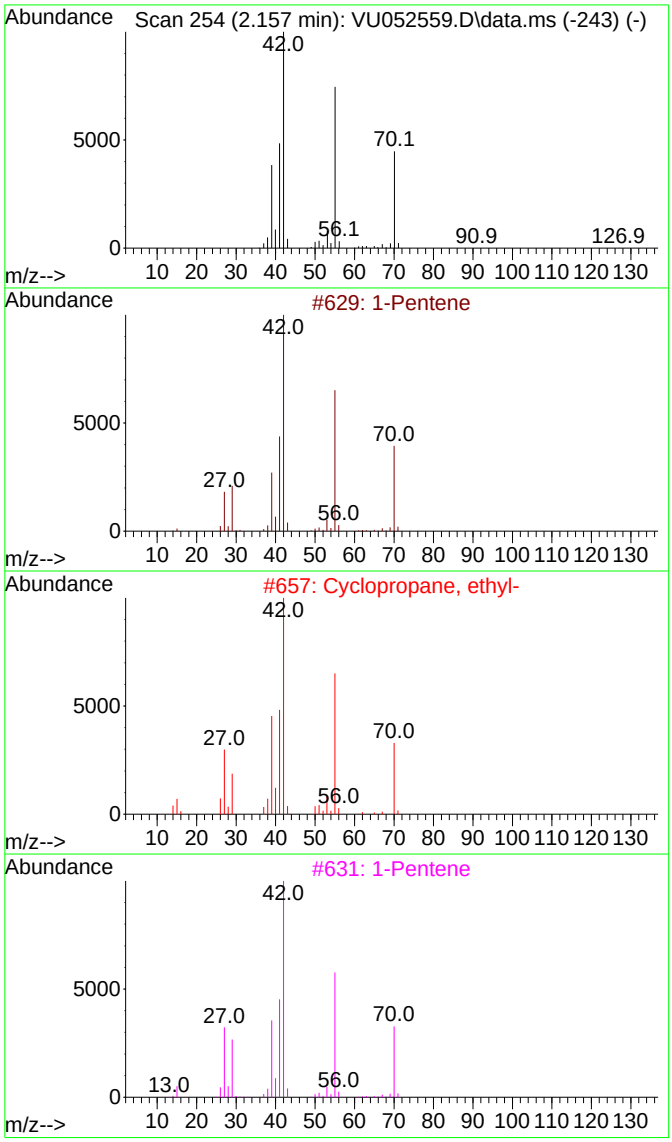
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

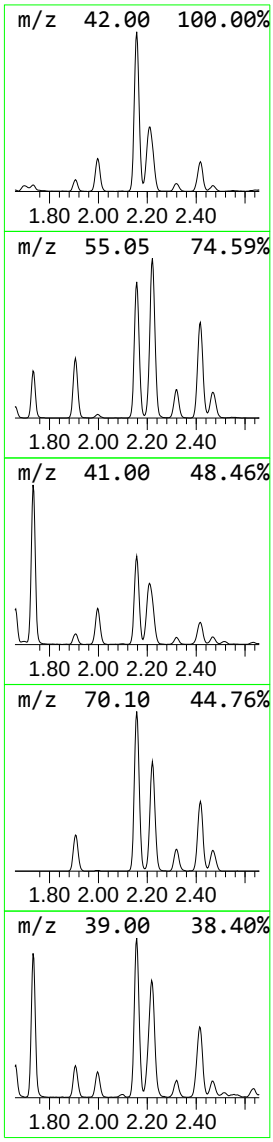
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	4.93 ug/L	613111	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	91
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	83
3	1-Pentene	70	C5H10	000109-67-1	76
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	68
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

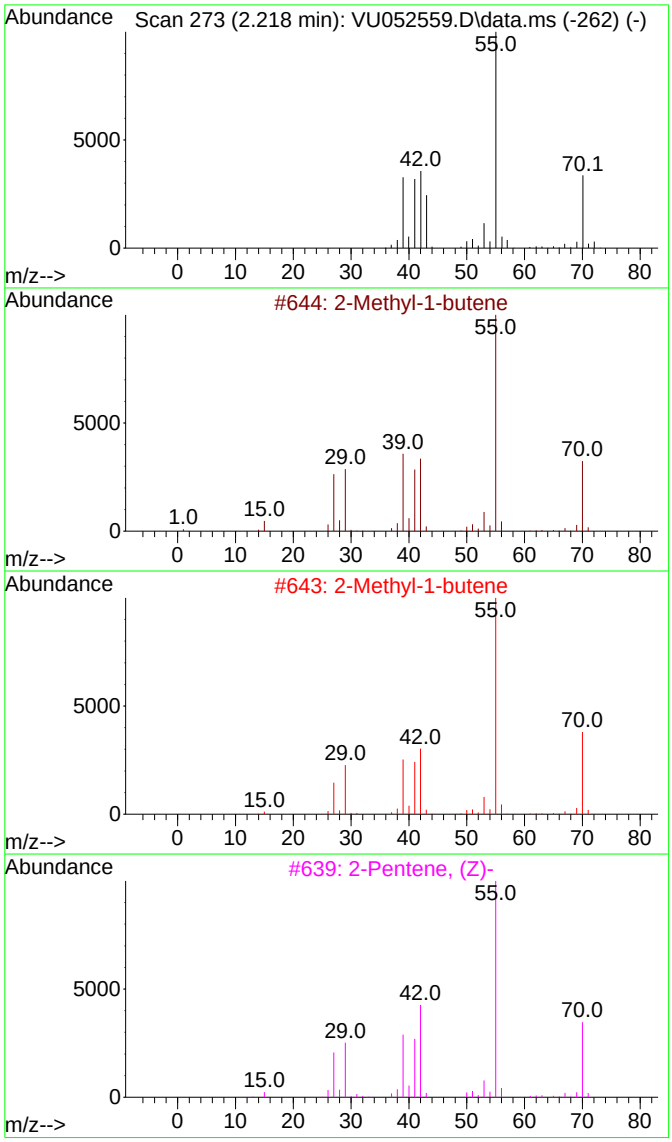
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

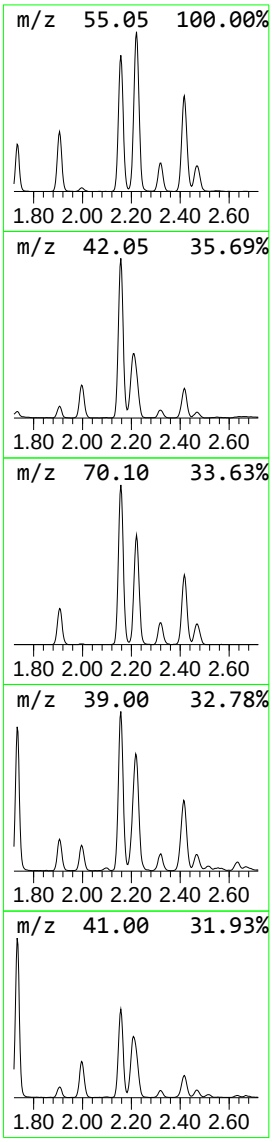
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.218	5.54 ug/L	688353	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	2-Methyl-1-butene	70	C5H10	000563-46-2	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	2-Pentene	70	C5H10	000109-68-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

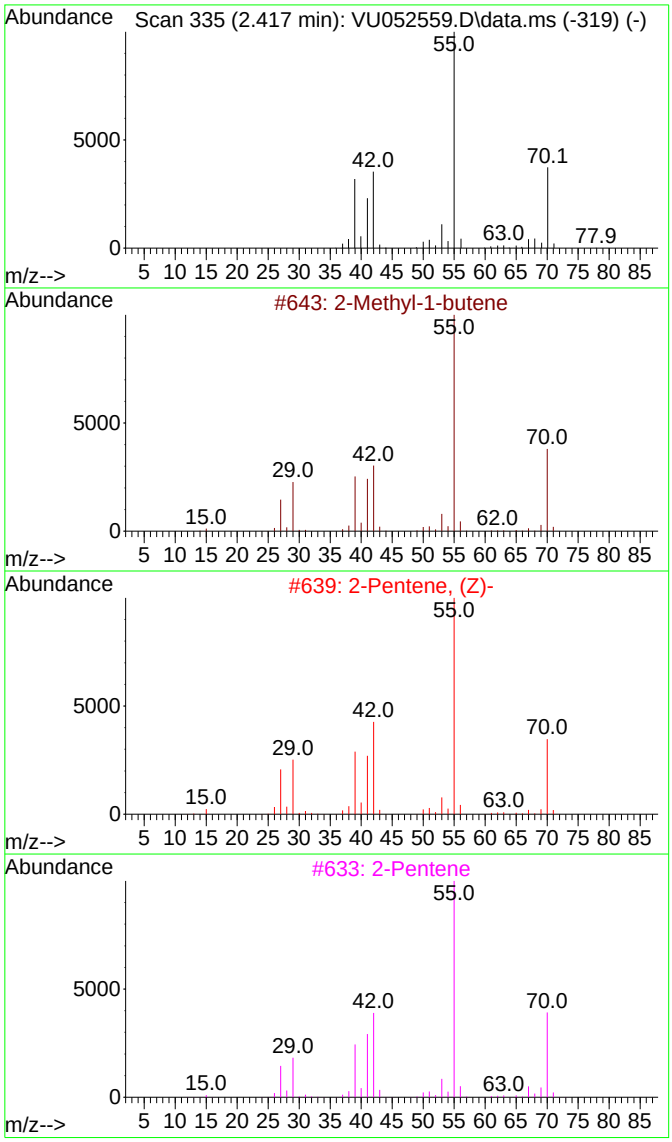
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

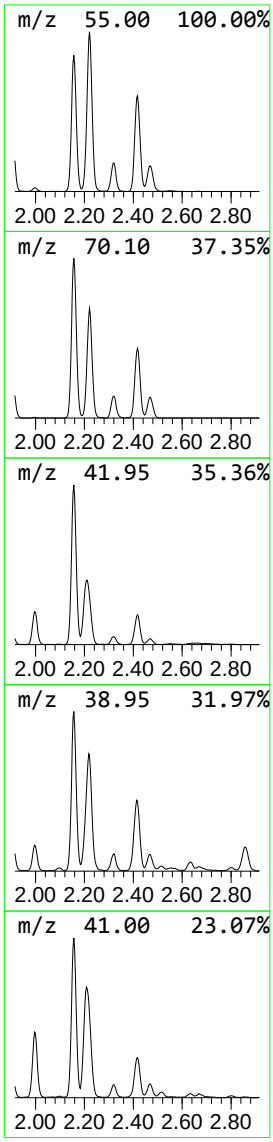
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.417	2.49 ug/L	309839	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
3	2-Pentene	70	C5H10	000109-68-2	86
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	83





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Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

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

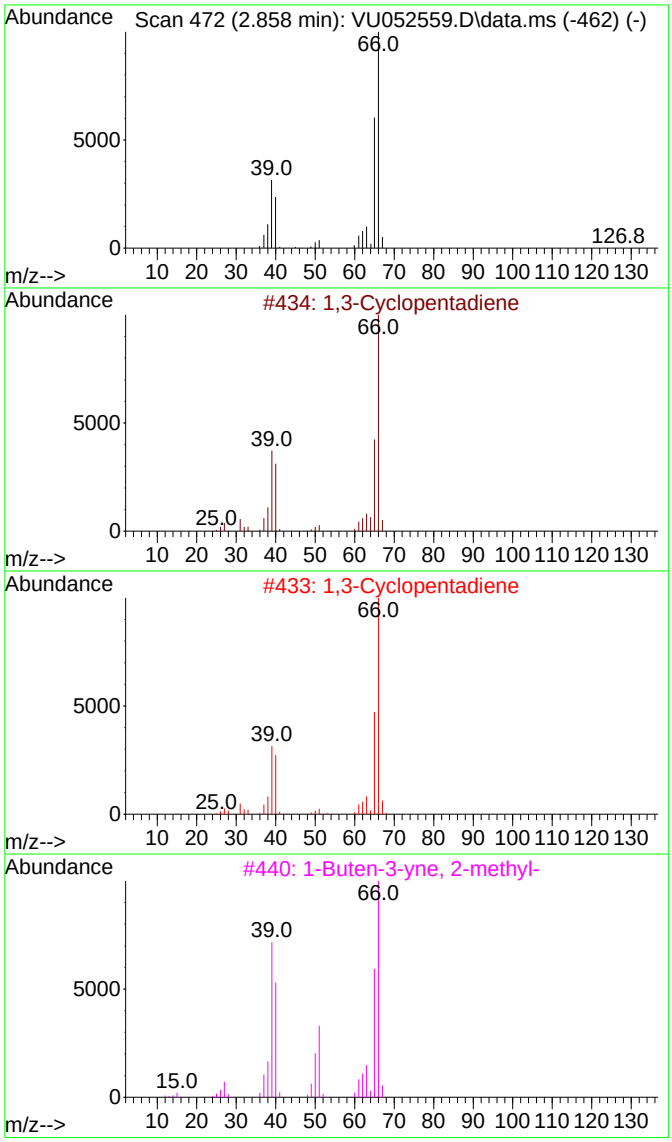
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

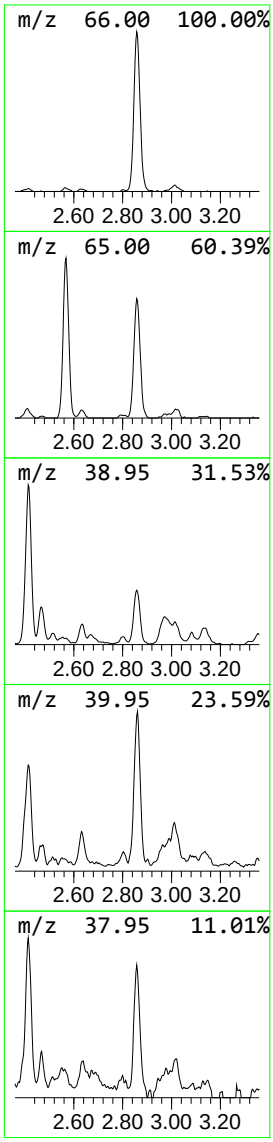
****

Peak Number 8 1,3-Cyclopentadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.858	0.88 ug/L	109149	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	91
4	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	83
5	3-Penten-1-yne	66	C5H6	002206-23-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

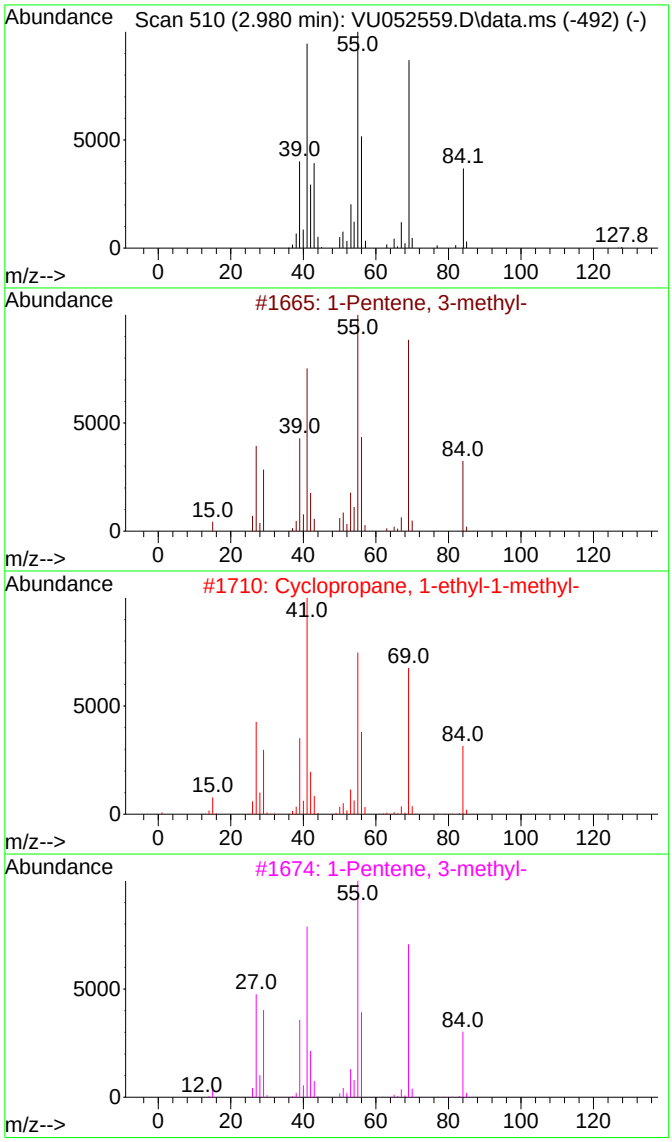
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

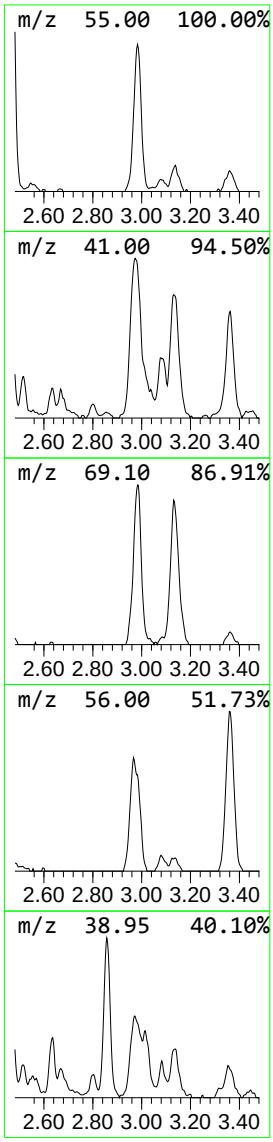
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.980	1.08 ug/L	133631	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	94
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	81
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	81
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	74
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	52





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Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

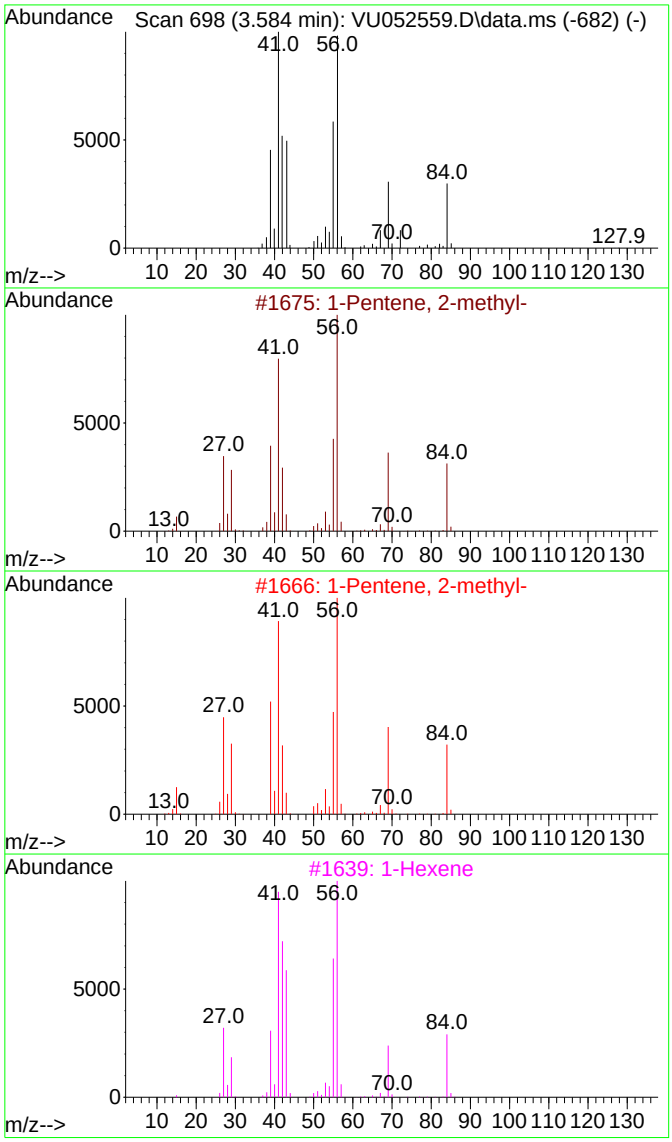
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

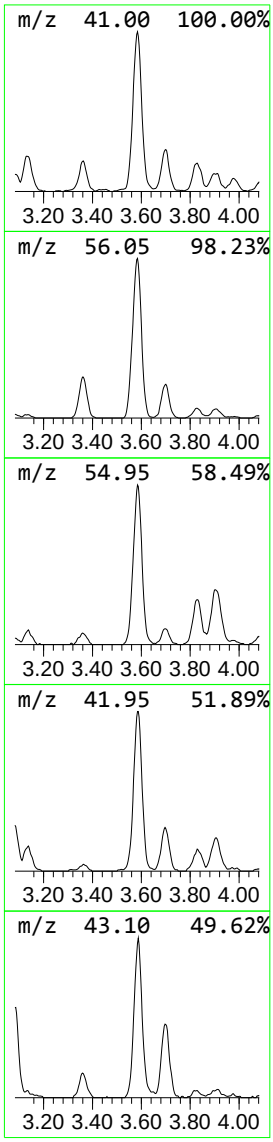
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.584	3.14 ug/L	390867	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	81
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

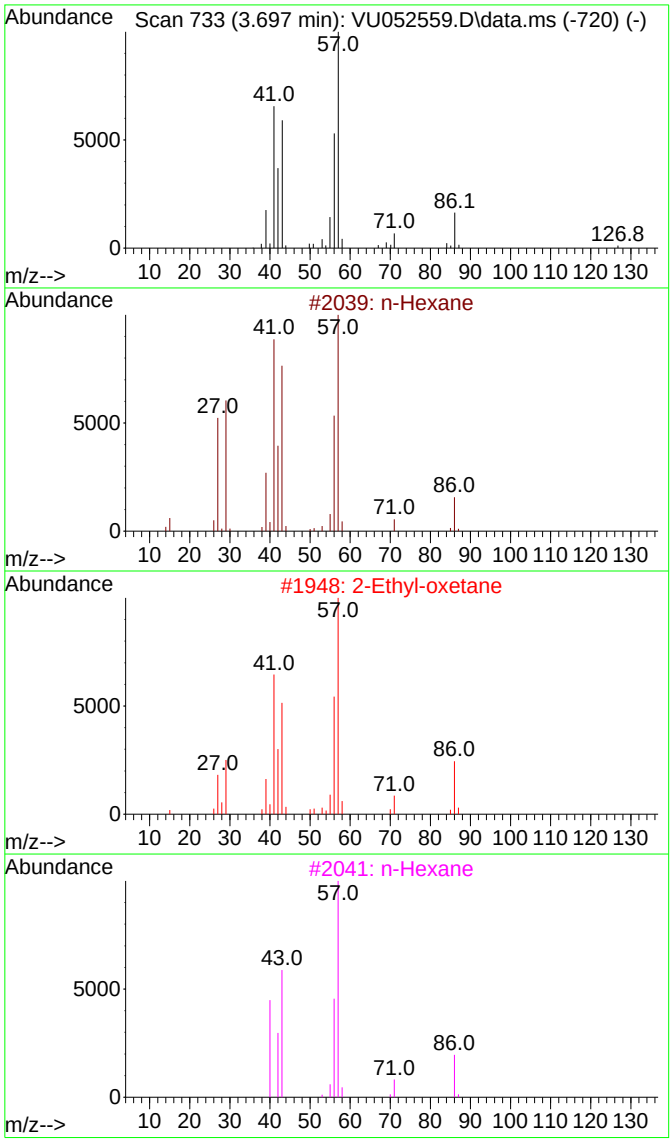
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

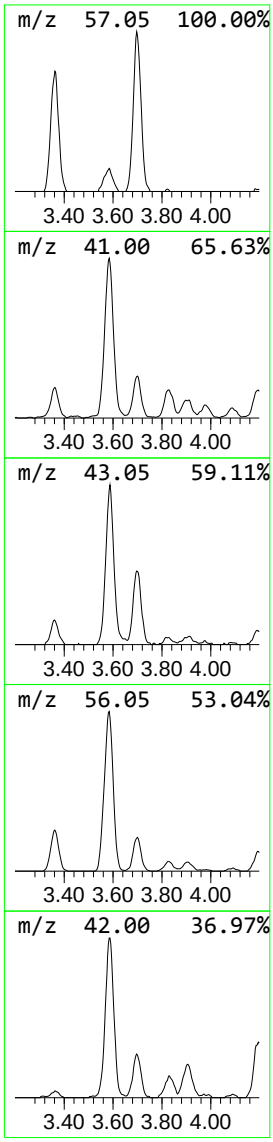
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.697	0.82 ug/L	101296	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	86
3	n-Hexane	86	C6H14	000110-54-3	86
4	n-Hexane	86	C6H14	000110-54-3	86
5	n-Hexane	86	C6H14	000110-54-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

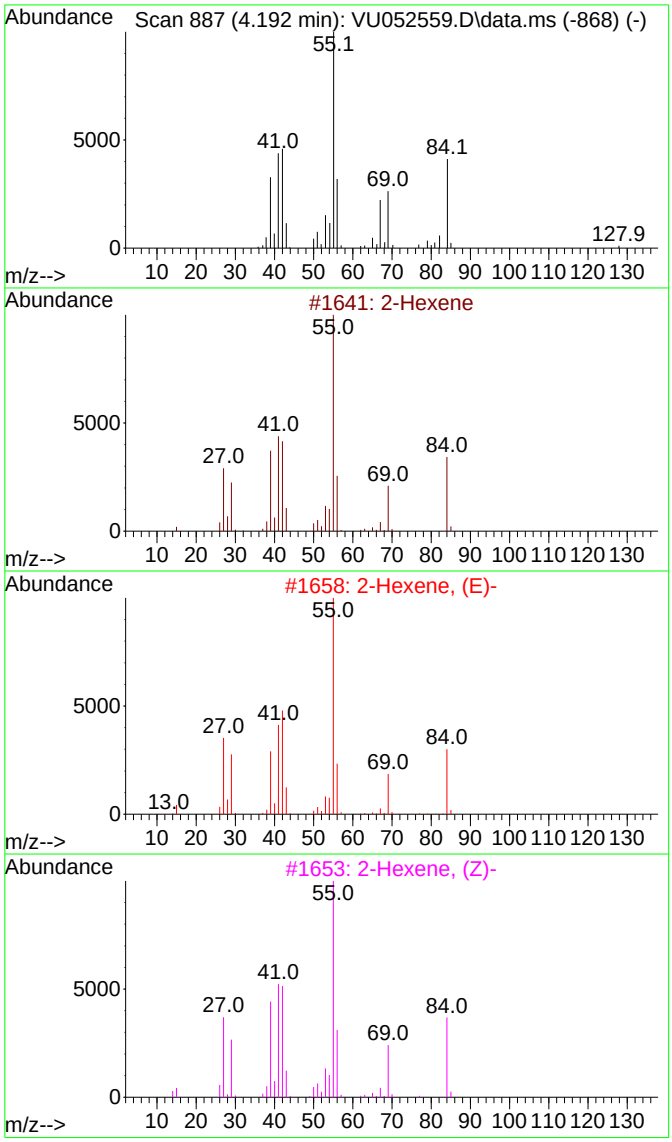
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

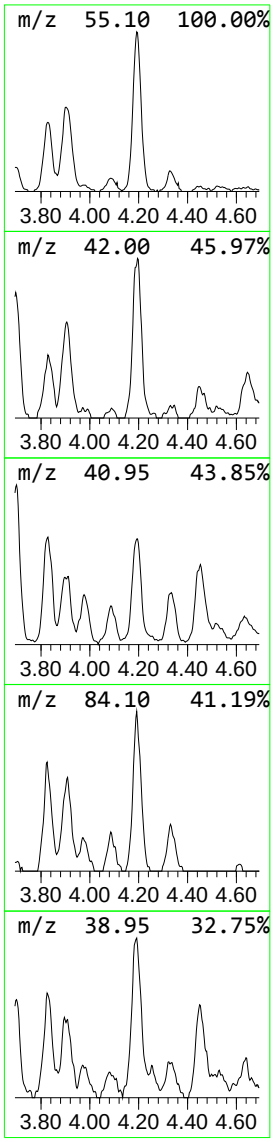
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.192	1.01 ug/L	125980	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	93
2	2-Hexene, (E)-	84	C6H12	004050-45-7	87
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
4	3-Hexene, (E)-	84	C6H12	013269-52-8	83
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

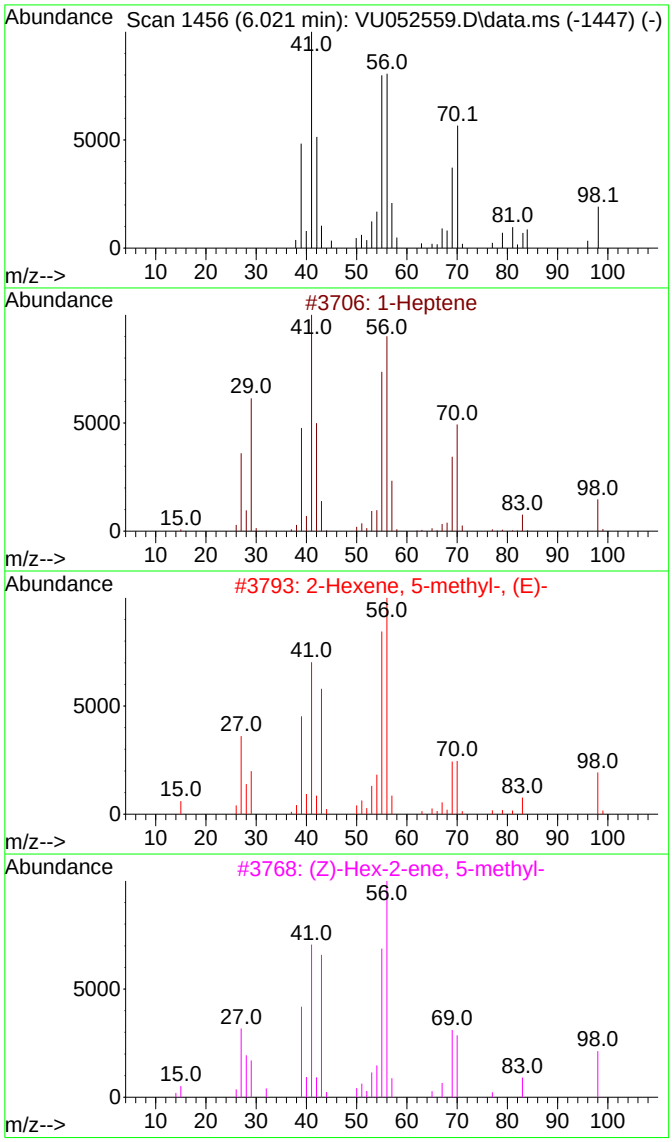
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
Quant Title : TRACE VOA SFAM1.0

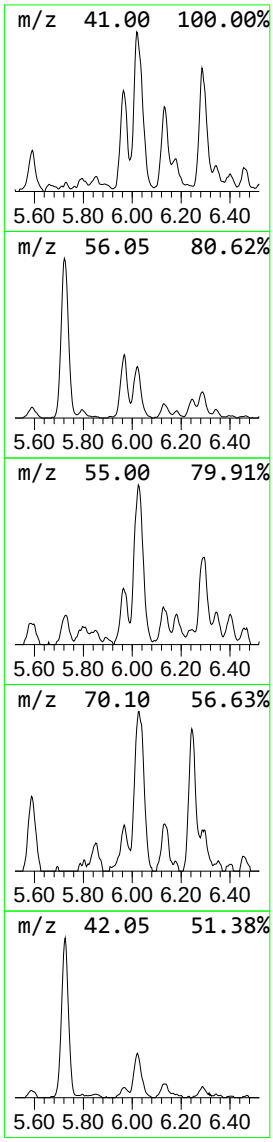
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.021	1.03 ug/L	127755	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	95
2	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	70
3	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	58
4	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	52
5	(Z)-2-Heptene	98	C7H14	006443-92-1	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
Data File : VU052559.D
Acq On : 27 Dec 2022 13:08
Operator : JC/MD
Sample : N6171-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GBQC8

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	28.1	ug/L	3497780	1	6.247	621416	5.0
(DEL) Alkane: S...	1.491	1.1	ug/L	139089	1	6.247	621416	5.0
(DEL) Alkane: S...	1.732	3.3	ug/L	404457	1	6.247	621416	5.0
(DEL) Alkane: S...	1.996	1.4	ug/L	174286	1	6.247	621416	5.0
(DEL) Alkane: S...	2.157	4.9	ug/L	613111	1	6.247	621416	5.0
(DEL) Alkane: S...	2.218	5.5	ug/L	688353	1	6.247	621416	5.0
(DEL) Alkane: S...	2.417	2.5	ug/L	309839	1	6.247	621416	5.0
1,3-Cyclopentad...	2.858	0.9	ug/L	109149	1	6.247	621416	5.0
(DEL) Alkane: S...	2.980	1.1	ug/L	133631	1	6.247	621416	5.0
(DEL) Alkane: S...	3.584	3.1	ug/L	390867	1	6.247	621416	5.0
(DEL) Alkane: S...	3.697	0.8	ug/L	101296	1	6.247	621416	5.0
(DEL) Alkane: S...	4.192	1.0	ug/L	125980	1	6.247	621416	5.0
(DEL) Alkane: S...	6.021	1.0	ug/L	127755	1	6.247	621416	5.0