LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

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\SFAMUTR121123WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU056911.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.358	13	21	40	rVB	805386	807739	86.22%	7.298%
2	1.486	53	61	85	rBV	464316	506174	54.03%	4.574%
3	1.599	86	96	107	rBV2	647112	705497	75.30%	6.375%
4	1.907	184	192	206	rBV	69434	96165	10.26%	0.869%
5	1.988	207	217	233	rVB	278092	388510	41.47%	3.510%
6	2.200	273	283	298	rVB	175507	250975	26.79%	2.268%
7	2.563	382	396	412	rBV	130075	222640	23.76%	2.012%
8	3.046	531	546	547	rBV3	12708	21723	2.32%	0.196%
9	3.078	548	556	565	rVV	43481	90181	9.63%	0.815%
10	3.133	565	573	584	rVV2	33795	70955	7.57%	0.641%
11	3.358	628	643	659	rVB3	27048	60396	6.45%	0.546%
12	3.695	731	748	764	rBV3	32434	77652	8.29%	0.702%
13	4.525	990	1006	1024	rBV4	53591	130628	13.94%	1.180%
14	4.624	1024	1037	1073	rBV	128977	365428	39.00%	3.302%
15	5.055	1155	1171	1216	rVB	166544	413079	44.09%	3.732%
16	5.380	1256	1272	1287	rBV4	47717	112746	12.03%	1.019%
17	5.451	1287	1294	1307	rVB5	6572	13821	1.48%	0.125%
18	5.592	1323	1338	1345	rBV9	7209	17073	1.82%	0.154%
19	5.721	1358	1378	1388	rBV2	288123	753249	80.40%	6.806%
20	5.843	1411	1416	1429	rVB7	9062	17461	1.86%	0.158%
21	5.981	1449	1459	1476	rVB6	14921	33489	3.57%	0.303%
22	6.129	1491	1505	1523	rBV7	9103	19452	2.08%	0.176%
23	6.245	1528	1541	1562	rBV	267092	521130	55.62%	4.709%
24	6.541	1620	1633	1648	rBV	56805	112296	11.99%	1.015%
25	6.685	1664	1678	1690	rBV	188611	371679	39.67%	3.358%
26	6.756	1691	1700	1718	rVB3	61481	127015	13.56%	1.148%
27	6.978	1755	1769	1785	rBV7	7161	14578	1.56%	0.132%
28	7.103	1802	1808	1824	rVB4	5359	9775	1.04%	0.088%
29	7.560	1937	1950	1972	rBV	78062	147234	15.72%	1.330%
30	7.853	2032	2041	2043	rBV4	8277	11250	1.20%	0.102%
31	7.894	2043	2054	2066	rVV	301140	532356	56.82%	4.810%
32	7.965	2066	2076	2097	rVB	242820	430340	45.93%	3.888%
33	8.177	2133	2142	2154	rBV	49426	85417	9.12%	0.772%
34	8.238	2156	2161	2171	rVB7	7503	11555	1.23%	0.104%
35	8.470	2218	2233	2246	rBV3	9104	16365	1.75%	0.148%
36	8.631	2271	2283	2313	rBV2	463730	936880	100.00%	8.465%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

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\SFAMUTR121123WMA.M
Title : TRACE VOA SFAM1.0

37	8.856	2344	2353	2365	rVB4	7800	14012	1.50%	0.127%
38	9.412	2513	2526	2544	rBV	382190	661629	70.62%	5.978%
39	9.566	2563	2574	2594	rVB	66376	121144	12.93%	1.095%
40	9.689	2601	2612	2631	rBV	77018	140922	15.04%	1.273%
41	10.097	2727	2739	2758	rVB2	39114	69078	7.37%	0.624%
42	10.750	2930	2942	2959	rBV	157278	259217	27.67%	2.342%
43	10.891	2974	2986	3004	rBV3	16018	35267	3.76%	0.319%
44	10.994	3009	3018	3038	rBV2	12757	27826	2.97%	0.251%
45	11.087	3038	3047	3060	rVB4	7705	13678	1.46%	0.124%
46	11.293	3098	3111	3126	rVB3	7677	13321	1.42%	0.120%
47	11.463	3155	3164	3177	rVB3	18248	30271	3.23%	0.274%
48	11.807	3259	3271	3289	rBV	353899	584738	62.41%	5.283%
49	11.891	3290	3297	3310	rVB2	14288	22250	2.37%	0.201%
50	12.068	3342	3352	3358	rBV3	13874	26182	2.79%	0.237%
51	12.187	3377	3389	3413	rBV2	319916	544835	58.15%	4.923%

Sum of corrected areas: 11067273

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Operator : MD/SY
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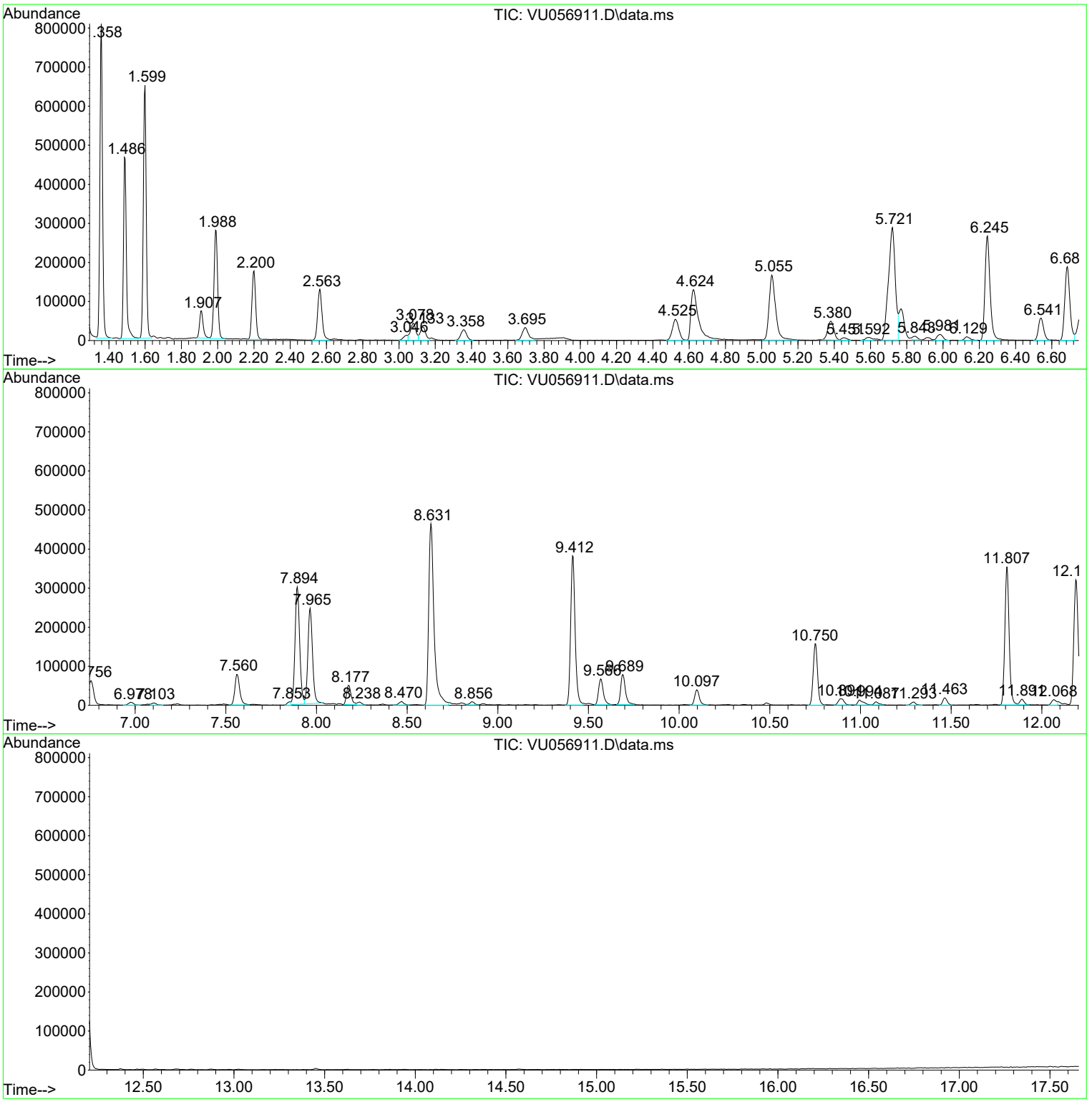
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.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\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

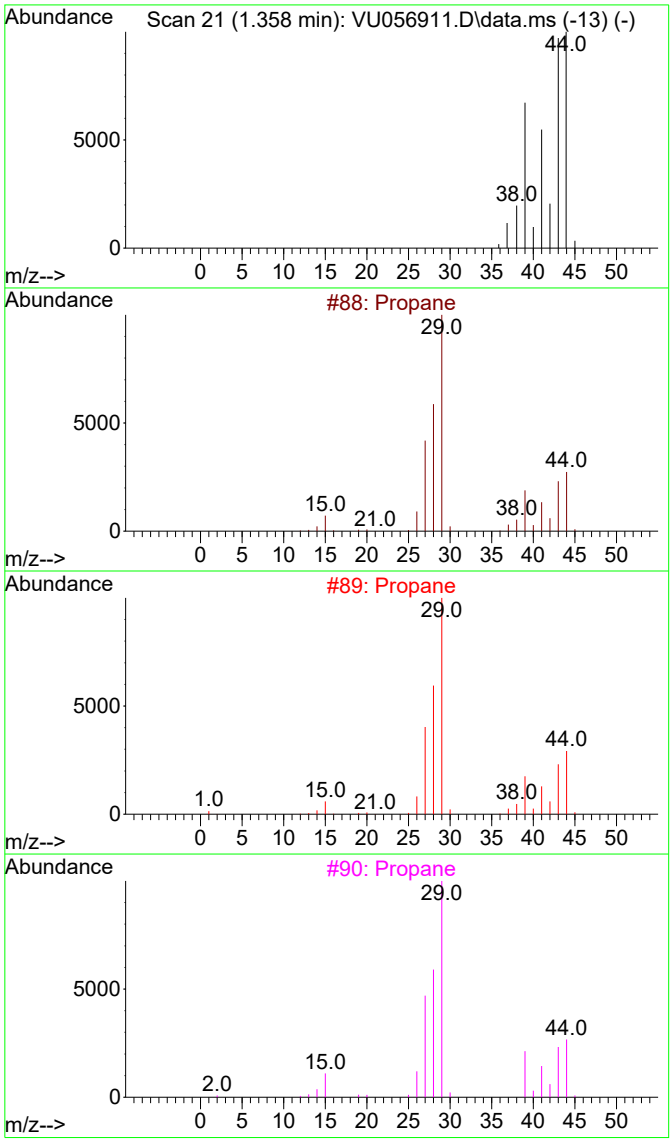
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

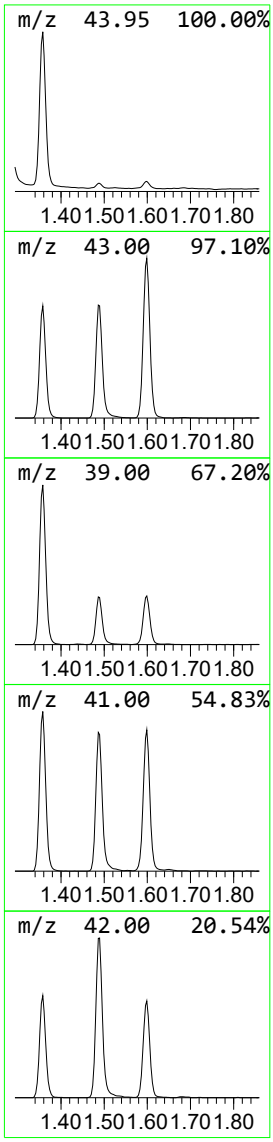
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.358	7.75 ug/L	807739	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
2	Propane	44	C3H8	000074-98-6	83
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Acetaldehyde	44	C2H4O	000075-07-0	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

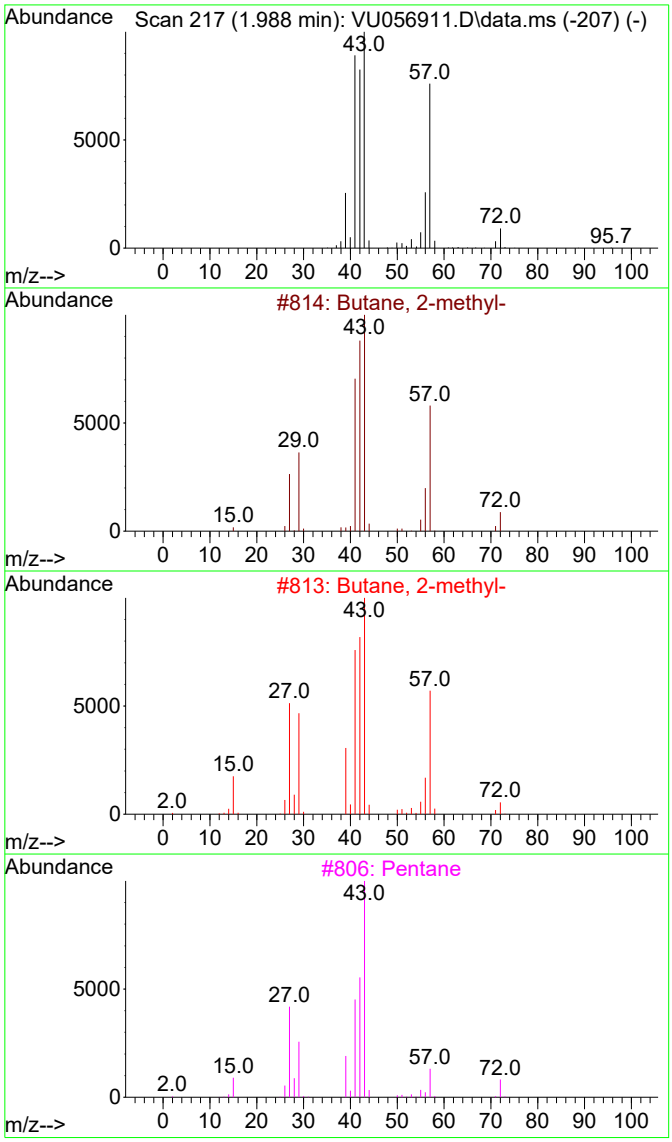
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

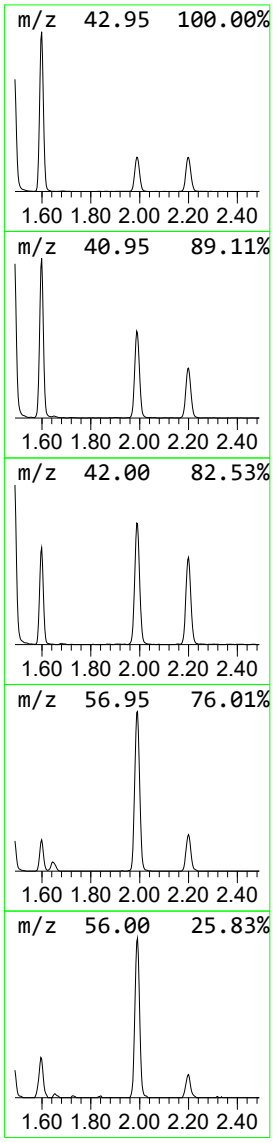
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.988	3.73 ug/L	388510	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Pentane	72	C5H12	000109-66-0	45
4	Pentane	72	C5H12	000109-66-0	36
5	3-Buten-1-ol	72	C4H8O	000627-27-0	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

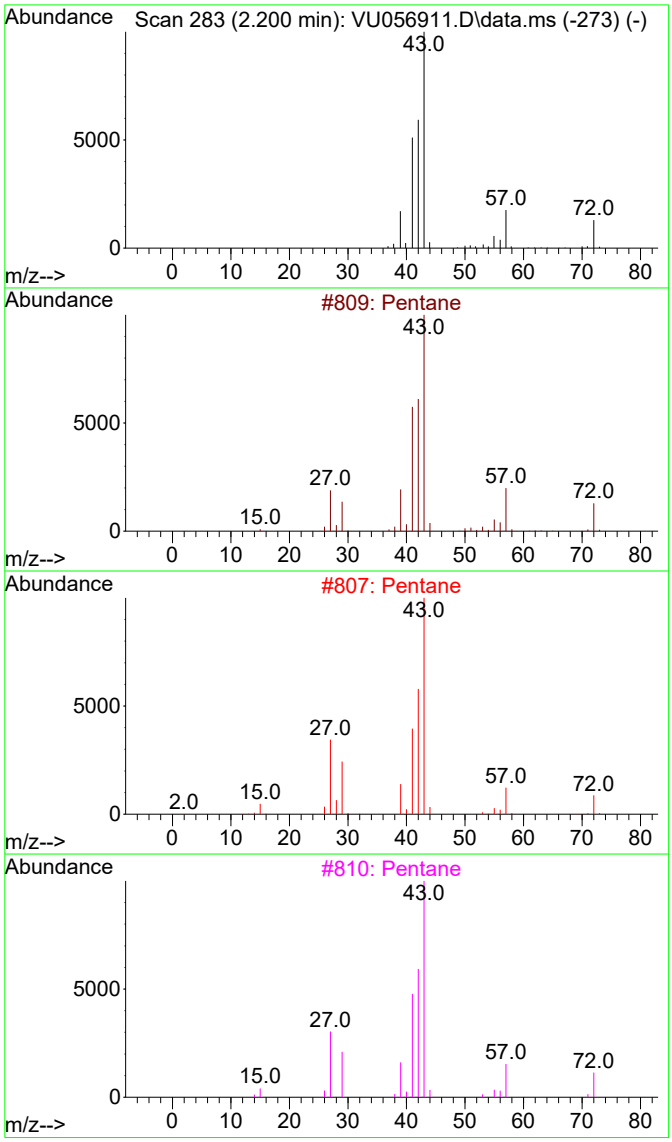
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

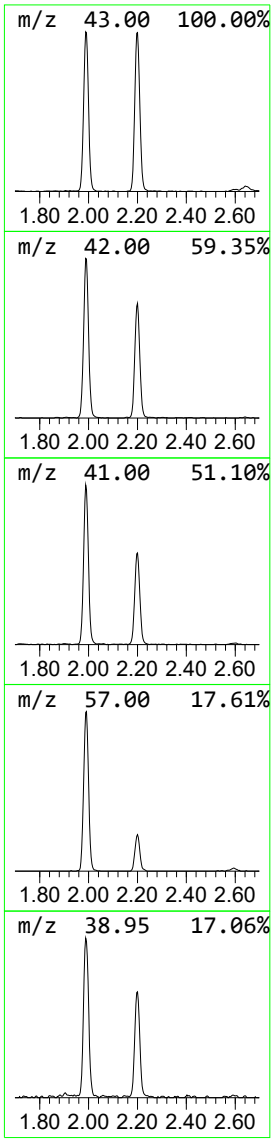
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.200	2.41 ug/L	250975	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	Pentane	72	C5H12	000109-66-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

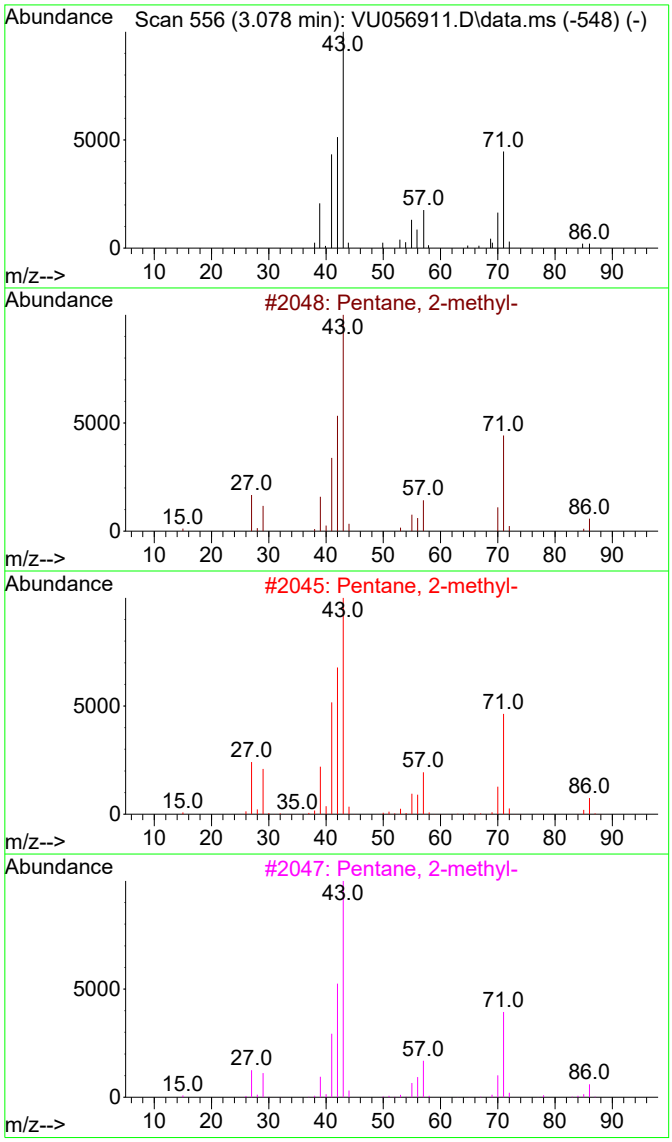
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

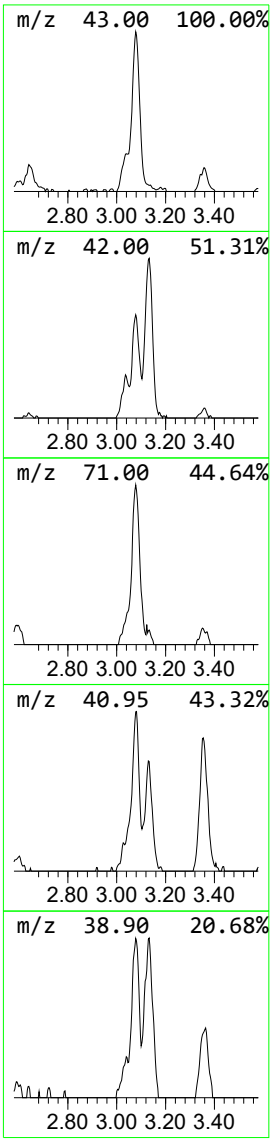
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	0.87 ug/L	90181	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

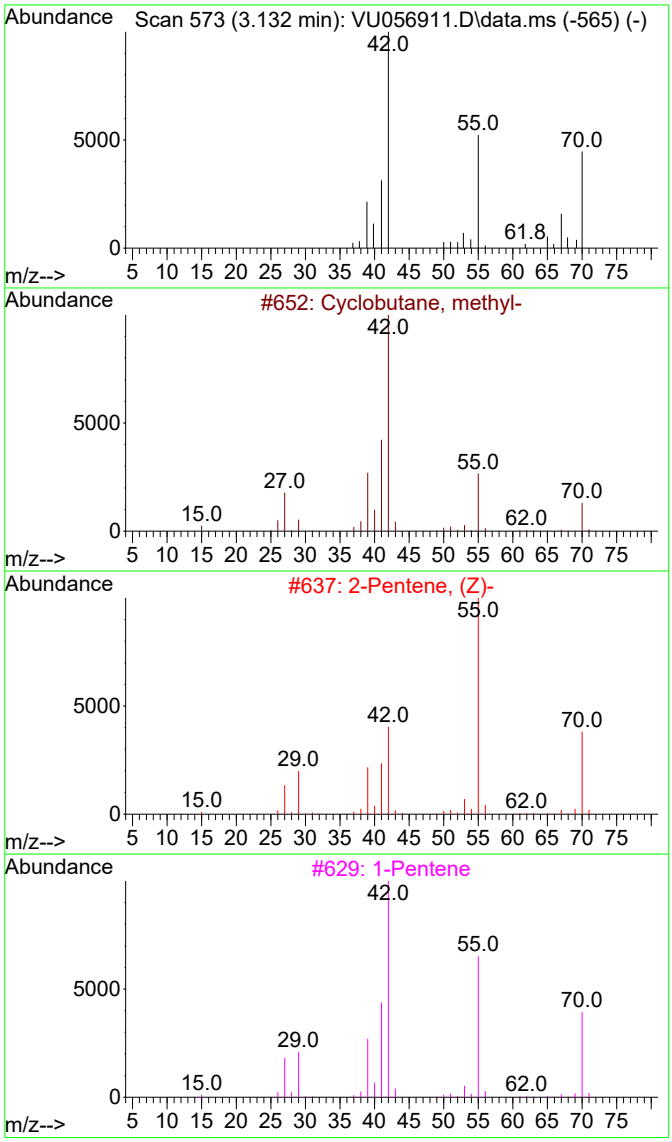
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

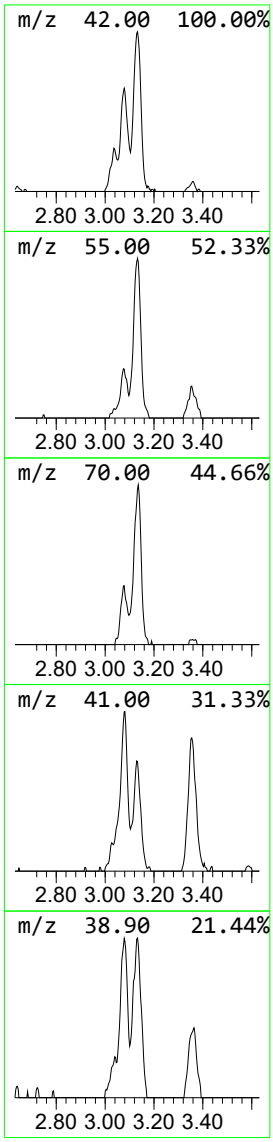
****

Peak Number 5 (DEL) Alkane: Cyclic3.132 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.132	0.68 ug/L	70955	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	64
3	1-Pentene	70	C5H10	000109-67-1	64
4	2-Pentene	70	C5H10	000109-68-2	43
5	2-Pentene, (E)-	70	C5H10	000646-04-8	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

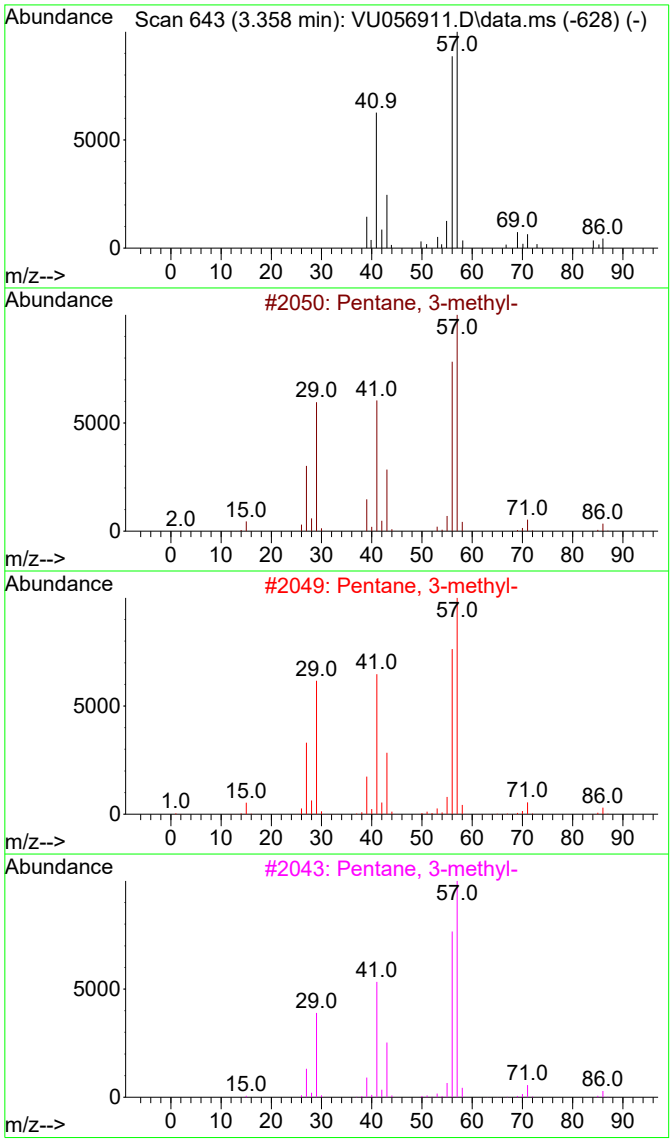
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

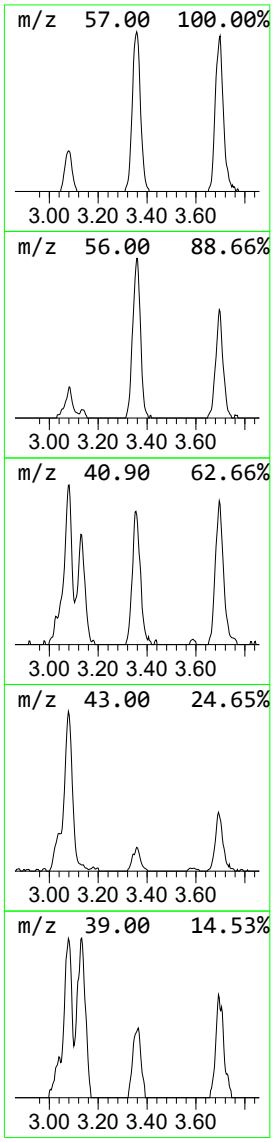
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.358	0.58 ug/L	60396	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





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ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

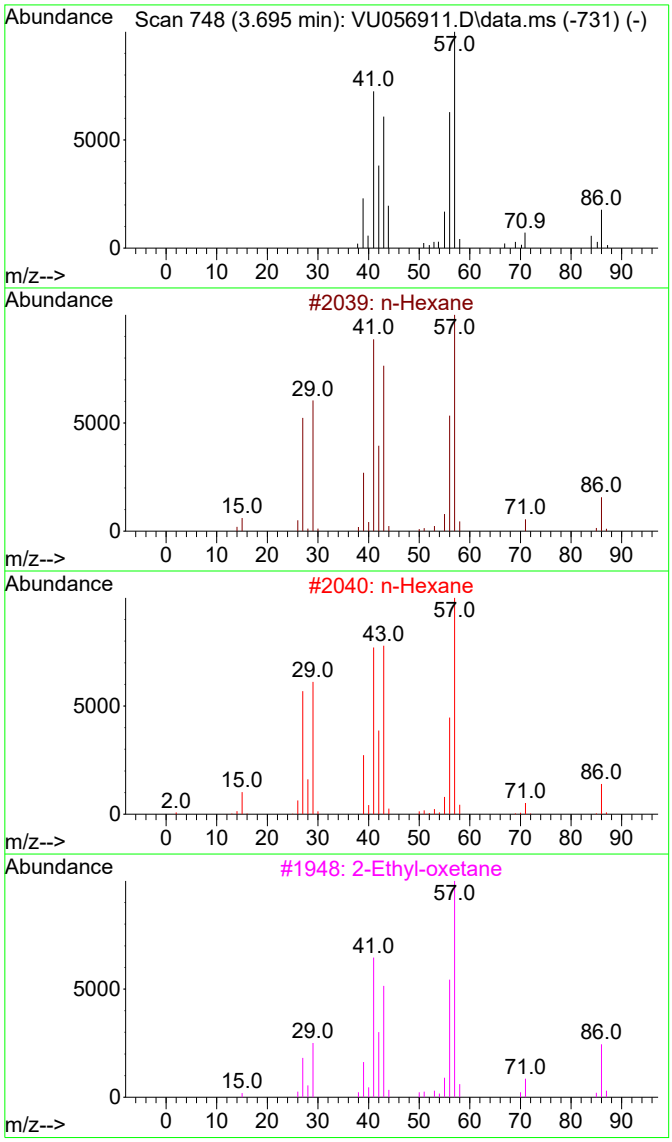
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

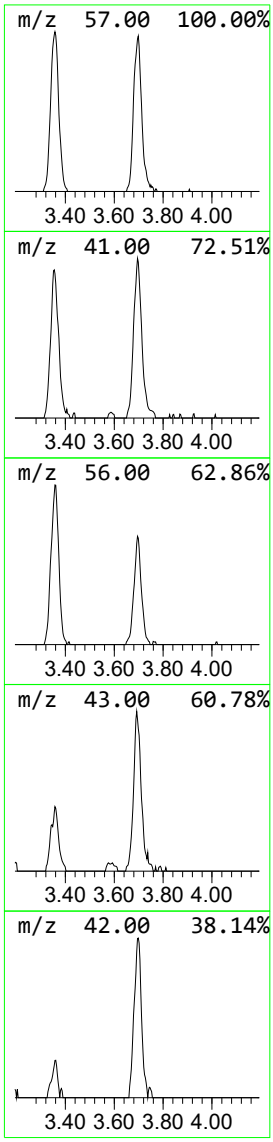
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.695	0.75 ug/L	77652	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	74
2	n-Hexane	86	C6H14	000110-54-3	72
3	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	72
4	n-Hexane	86	C6H14	000110-54-3	72
5	n-Hexane	86	C6H14	000110-54-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

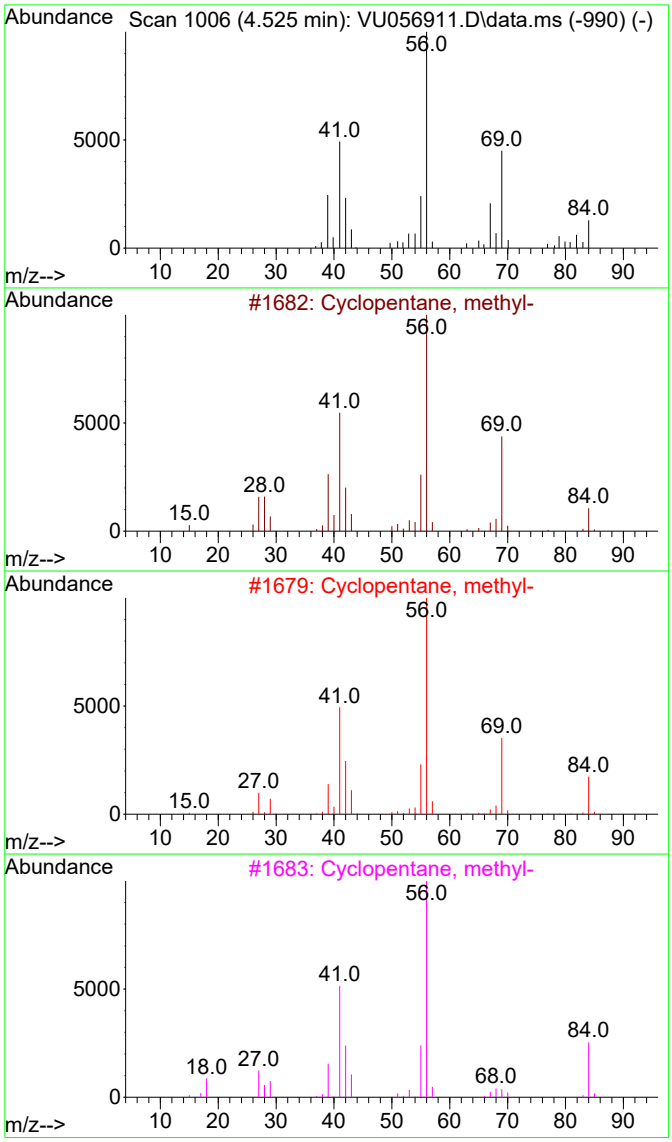
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0

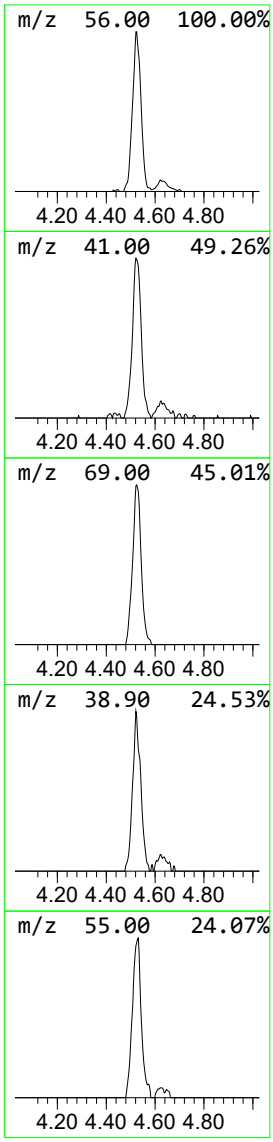
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic4.525 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.525	1.25 ug/L	130628	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	50
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
Data File : VU056911.D
Acq On : 16 Dec 2023 04:31
Operator : MD/SY
Sample : 05771-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0YA1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.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...	1.358	7.8	ug/L	807739	1	6.245	521130	5.0
(DEL) Alkane: S...	1.988	3.7	ug/L	388510	1	6.245	521130	5.0
(DEL) Alkane: S...	2.200	2.4	ug/L	250975	1	6.245	521130	5.0
(DEL) Alkane: S...	3.078	0.9	ug/L	90181	1	6.245	521130	5.0
(DEL) Alkane: C...	3.132	0.7	ug/L	70955	1	6.245	521130	5.0
(DEL) Alkane: S...	3.358	0.6	ug/L	60396	1	6.245	521130	5.0
(DEL) Alkane: S...	3.695	0.8	ug/L	77652	1	6.245	521130	5.0
(DEL) Alkane: C...	4.525	1.3	ug/L	130628	1	6.245	521130	5.0