LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042197.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.424	410	413	416	rBV	4126215	3571958	100.00%	19.910%
2	1.437	416	417	421	rVB3	4081971	1852491	51.86%	10.326%
3	1.560	451	455	459	rBV	705090	356544	9.98%	1.987%
4	1.622	470	474	478	rVB	1853660	999323	27.98%	5.570%
5	1.722	500	505	512	rBV	174343	104991	2.94%	0.585%
6	1.845	535	543	549	rBV2	1065746	853931	23.91%	4.760%
7	1.939	568	572	576	rBV2	51809	42185	1.18%	0.235%
8	1.965	576	580	586	rVV	558770	385999	10.81%	2.152%
9	2.004	586	592	599	rVB	87319	65743	1.84%	0.366%
10	2.081	613	616	621	rVB	104292	75997	2.13%	0.424%
11	2.441	720	727	732	rBV3	57721	80338	2.25%	0.448%
12	2.476	732	738	746	rVB2	260904	264158	7.40%	1.472%
13	2.564	760	765	774	rVB	172370	164873	4.62%	0.919%
14	2.625	777	784	792	rBV	127554	137149	3.84%	0.764%
15	2.790	827	835	842	rBV	668713	683759	19.14%	3.811%
16	2.829	842	847	852	rVV2	192521	224796	6.29%	1.253%
17	2.852	852	854	860	rVB	67335	51663	1.45%	0.288%
18	3.234	964	972	980	rVB2	80049	108047	3.02%	0.602%
19	3.661	1089	1104	1113	rBV2	47736	81834	2.29%	0.456%
20	3.858	1155	1165	1177	rBV4	33535	59306	1.66%	0.331%
21	3.962	1184	1197	1211	rBV	820130	1305181	36.54%	7.275%
22	4.056	1216	1226	1234	rBV4	30886	54979	1.54%	0.306%
23	4.273	1282	1293	1305	rVB5	35135	69766	1.95%	0.389%
24	4.648	1399	1409	1421	rVB2	38068	80294	2.25%	0.448%
25	4.988	1499	1514	1527	rVB6	30119	63406	1.78%	0.353%
26	5.671	1708	1725	1744	rVB8	29338	79252	2.22%	0.442%
27	6.936	2101	2116	2132	rBV2	178285	361314	10.12%	2.014%
28	7.616	2306	2326	2327	rBV9	20724	40401	1.13%	0.225%
29	8.309	2523	2540	2552	rBV8	39042	86212	2.41%	0.481%
30	8.885	2702	2718	2729	rBV	1098535	1630047	45.63%	9.086%
31	9.221	2813	2822	2836	rVB5	79481	118157	3.31%	0.659%
32	9.361	2853	2865	2870	rBV2	41187	58209	1.63%	0.324%
33	9.532	2909	2918	2924	rBV3	99737	155464	4.35%	0.867%
34	9.555	2924	2925	2937	rVB7	62343	57437	1.61%	0.320%
35	9.639	2943	2951	2960	rBV4	28843	45033	1.26%	0.251%
36	9.717	2967	2975	2988	rVB5	50252	89237	2.50%	0.497%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

37	9.794	2988	2999	3008	rBV	88339	121594	3.40%	0.678%
38	9.866	3011	3021	3036	rVB6	42822	76357	2.14%	0.426%
39	9.966	3038	3052	3064	rBV3	55055	103301	2.89%	0.576%
40	10.380	3162	3180	3190	rBV	1431699	1822329	51.02%	10.158%
41	10.862	3321	3329	3335	rVV2	50620	61027	1.71%	0.340%
42	10.904	3335	3342	3355	rVB5	26786	41930	1.17%	0.234%
43	11.539	3530	3538	3549	rBV4	59652	85725	2.40%	0.478%
44	11.756	3599	3605	3618	rVB3	127757	183893	5.15%	1.025%
45	12.044	3689	3694	3703	rVB5	66694	75904	2.12%	0.423%
46	12.228	3743	3751	3756	rBV3	52567	62141	1.74%	0.346%
47	12.445	3812	3818	3825	rVB3	65407	66883	1.87%	0.373%
48	12.510	3832	3838	3844	rBV7	35823	42266	1.18%	0.236%
49	12.646	3873	3880	3885	rBV3	54410	64853	1.82%	0.361%
50	12.830	3930	3937	3943	rBV2	99308	104990	2.94%	0.585%
51	12.882	3943	3953	3958	rVB2	54959	71117	1.99%	0.396%
52	12.931	3958	3968	3973	rBV7	28761	41597	1.16%	0.232%
53	13.002	3980	3990	4002	rVB8	41478	76653	2.15%	0.427%
54	13.390	4103	4110	4117	rVB2	41352	44523	1.25%	0.248%
55	13.730	4208	4215	4221	rBV2	93428	90483	2.53%	0.504%
56	14.235	4362	4371	4375	rBV9	30289	45567	1.28%	0.254%
57	14.523	4454	4460	4473	rVB2	91379	100380	2.81%	0.560%
58	14.672	4497	4506	4513	rBV2	32424	54156	1.52%	0.302%
59	15.245	4678	4683	4689	rVB2	48375	43076	1.21%	0.240%

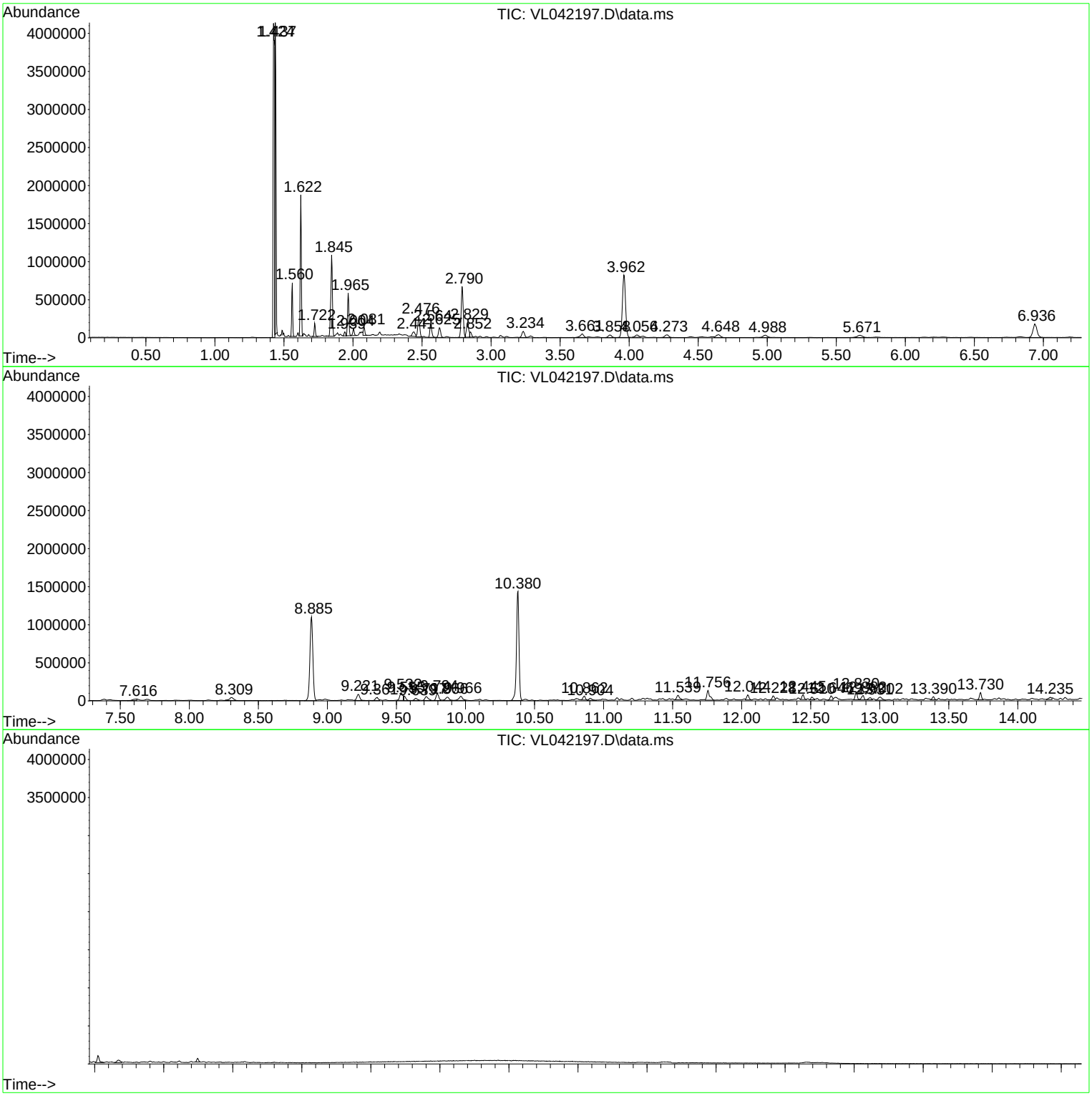
Sum of corrected areas: 17940219

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

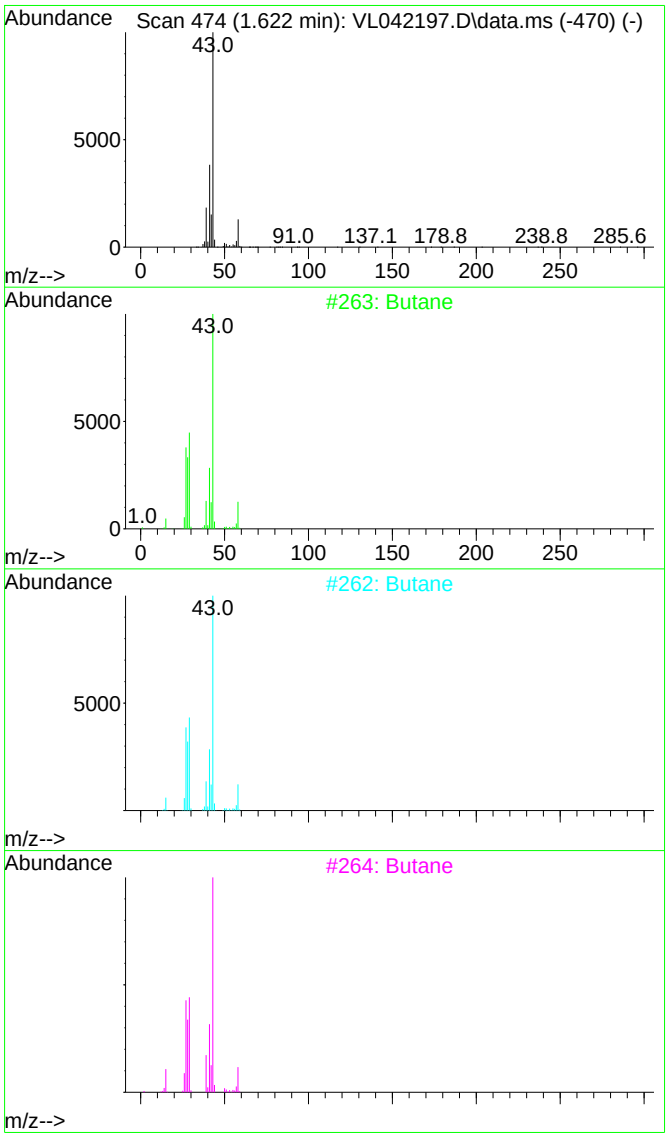
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

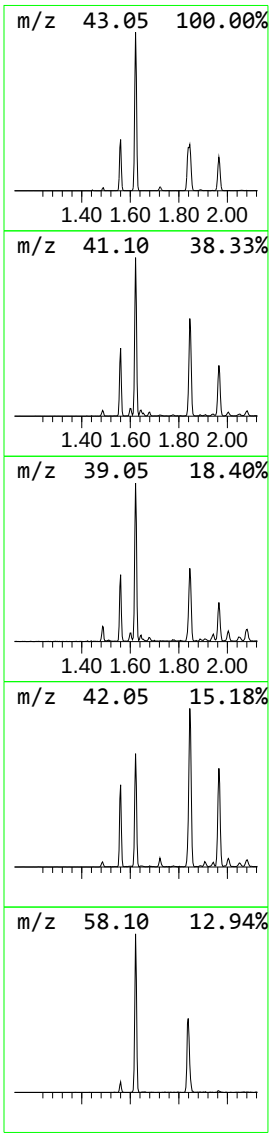
****

Peak Number 2 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	14.62 ppbv	999323	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	86
2	Butane	58	C4H10	000106-97-8	86
3	Butane	58	C4H10	000106-97-8	78
4	Butane	58	C4H10	000106-97-8	72
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

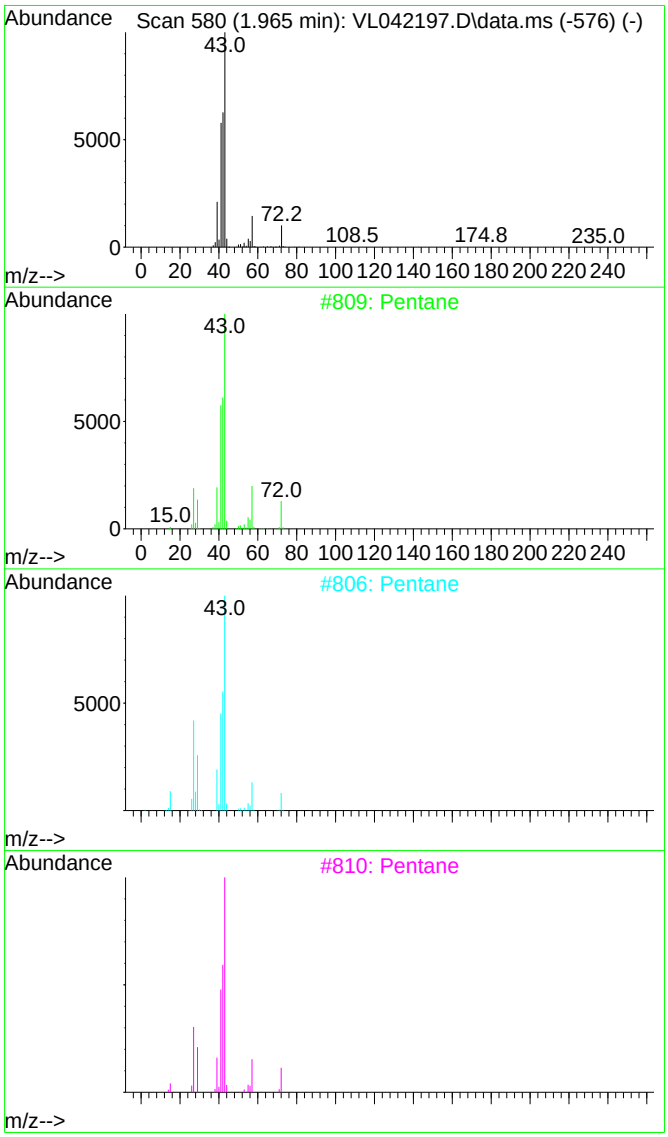
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

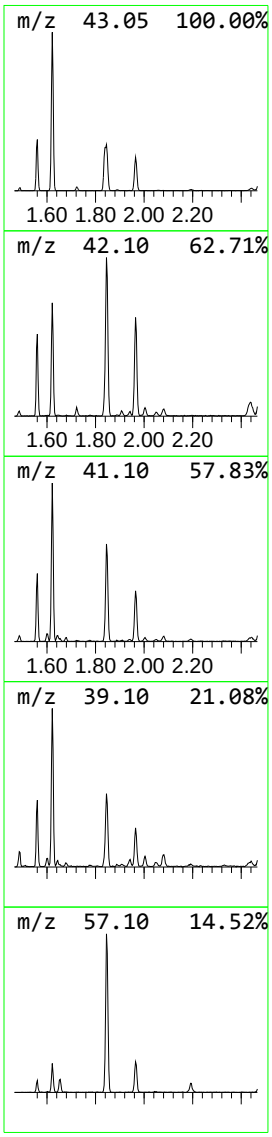
****

Peak Number 3 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	5.65 ppbv	385999	Bromochloromethane	2.790

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	86
5	Pentane	72	C5H12	000109-66-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

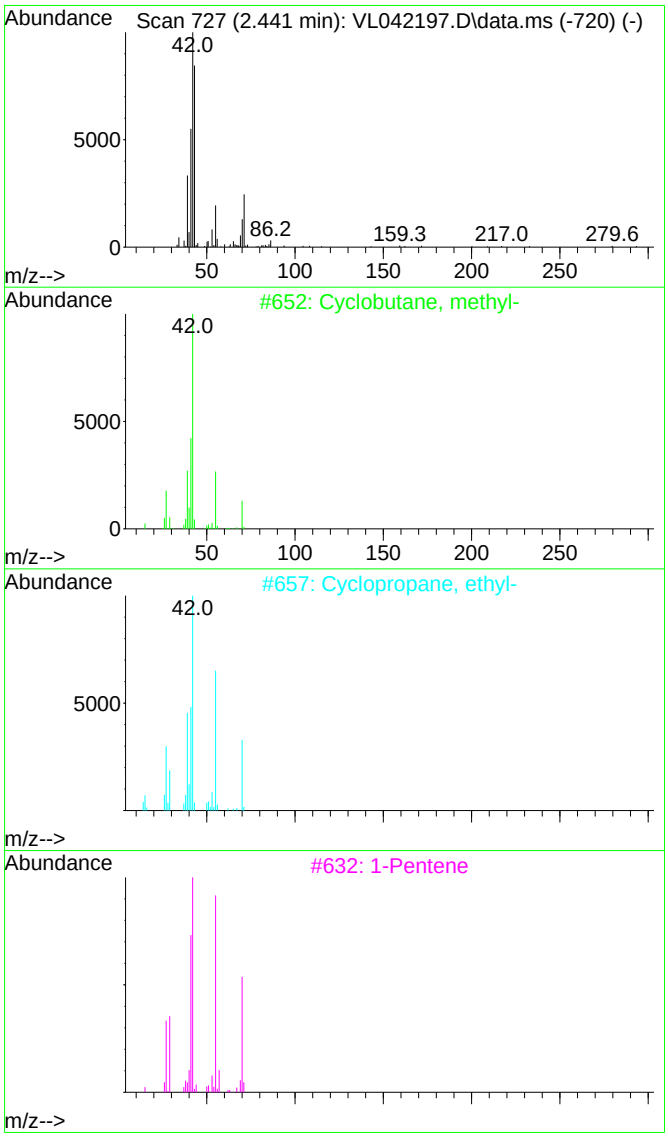
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

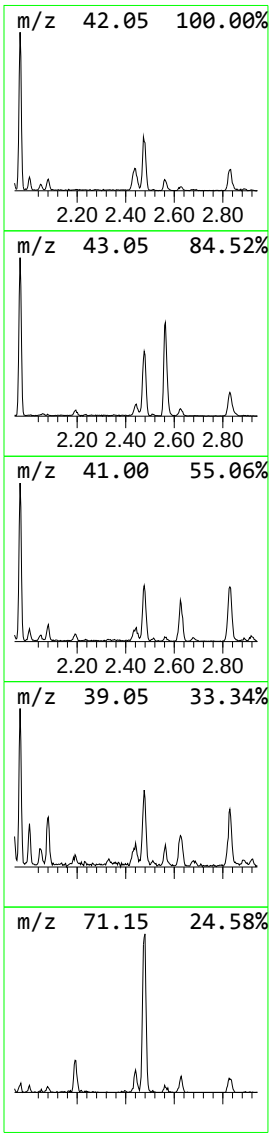
****

Peak Number 4 unknown2.441 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.441	1.17 ppbv	80338	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	47
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	25
3	1-Pentene	70	C5H10	000109-67-1	25
4	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	25
5	Cyclopropanecarboxaldehyde	70	C4H6O	001489-69-6	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

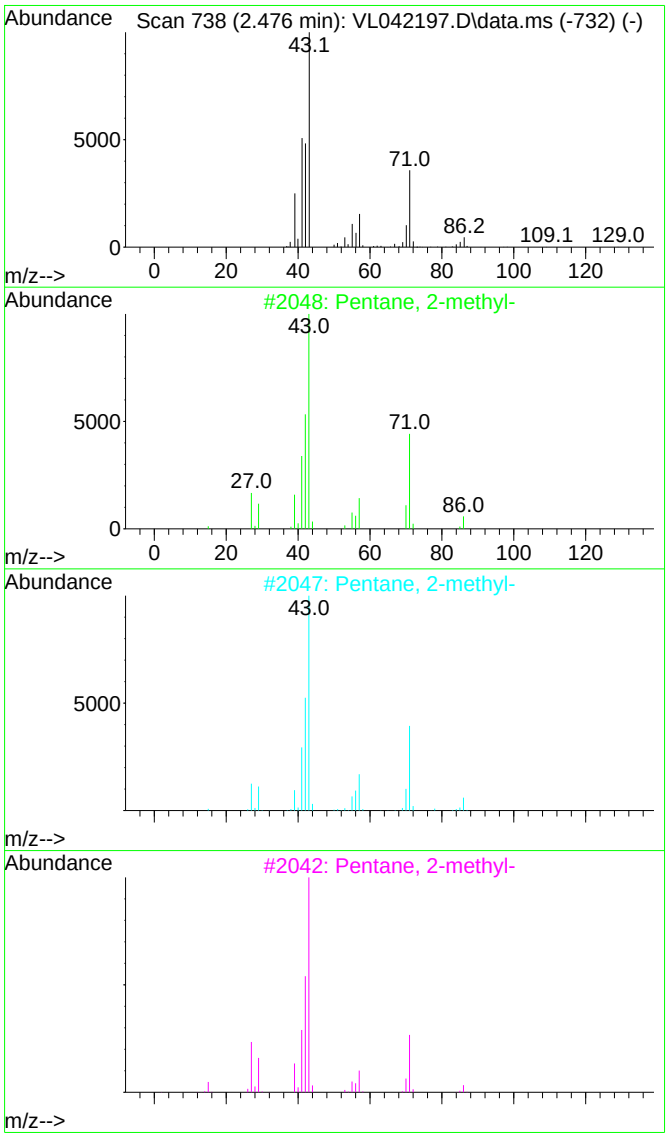
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

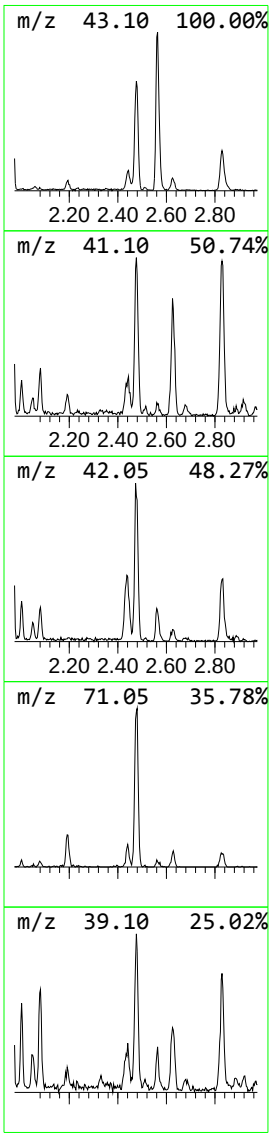
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.476	3.86 ppbv	264158	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

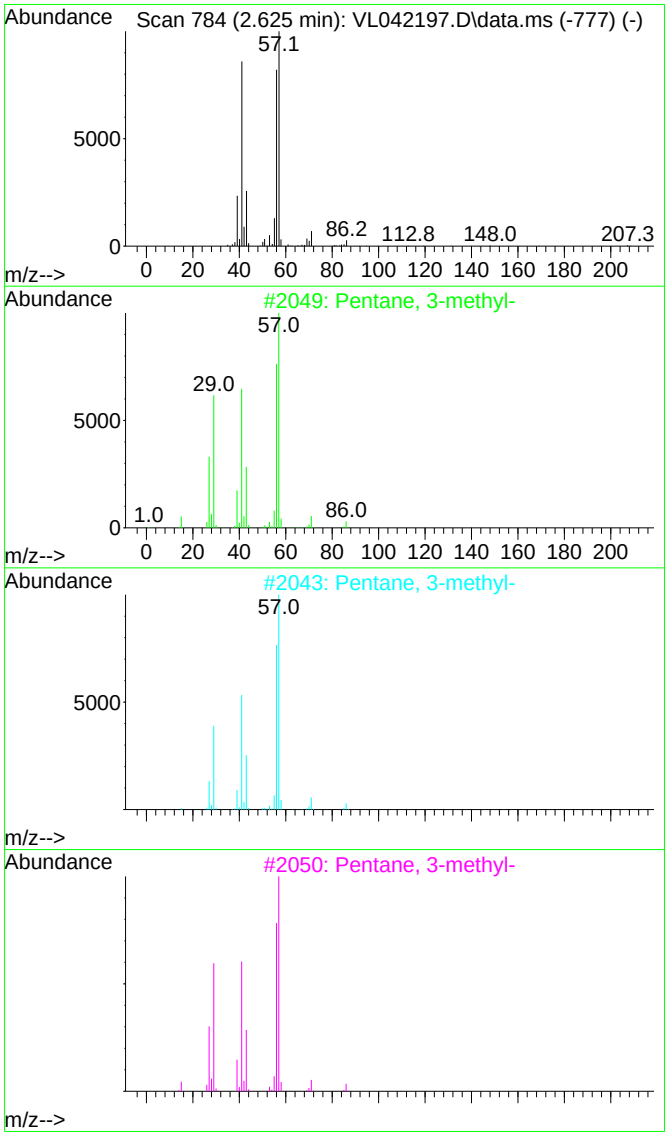
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

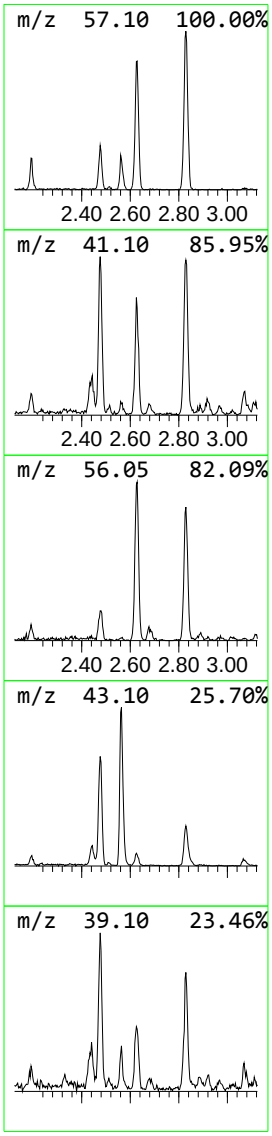
****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.625	2.01 ppbv	137149	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

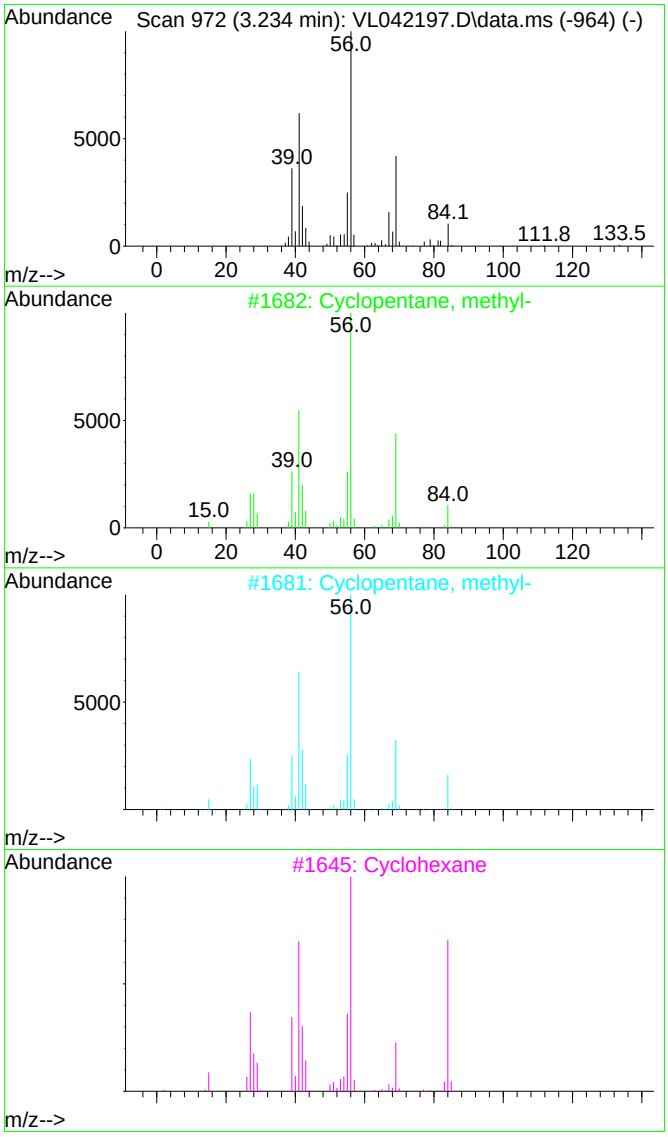
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

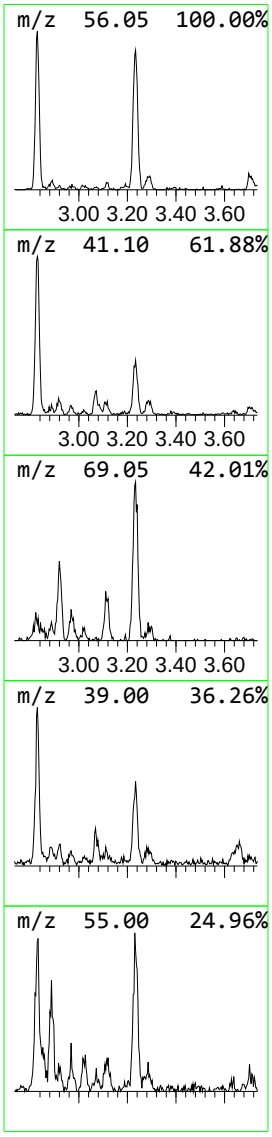
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.234	1.58 ppbv	108047	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclohexane	84	C6H12	000110-82-7	72
4	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

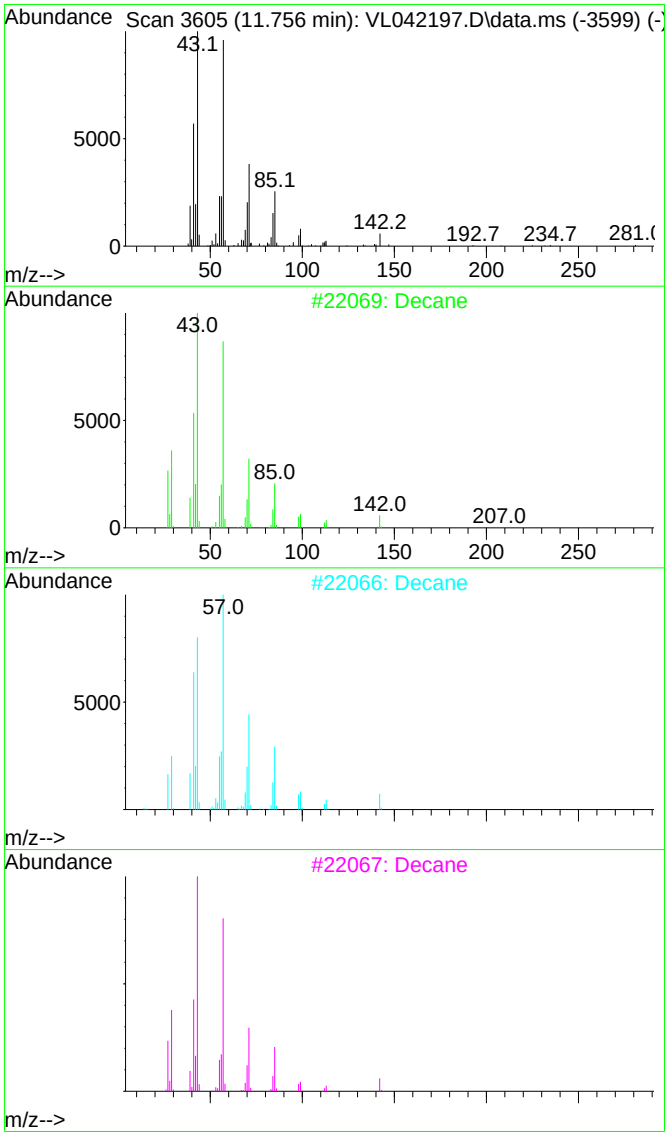
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

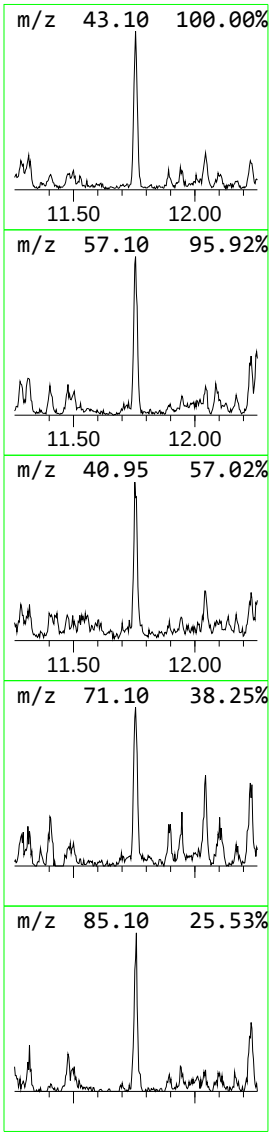
****

Peak Number 8 Decane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.756	1.13 ppbv	183893	Chlorobenzene-d5	8.885

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	91
3	Decane	142	C10H22	000124-18-5	90
4	Decane	142	C10H22	000124-18-5	83
5	Undecane	156	C11H24	001120-21-4	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042197.D
Acq On : 28 Mar 2025 01:20
Operator : SY/MD
Sample : Q1669-05
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-3-3262025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	1.622	14.6	ppbv	999323	1	2.790	683759	10.0
Pentane	1.965	5.7	ppbv	385999	1	2.790	683759	10.0
unknown2.441	2.441	1.2	ppbv	80338	1	2.790	683759	10.0
Pentane, 2-methyl-	2.476	3.9	ppbv	264158	1	2.790	683759	10.0
Pentane, 3-methyl-	2.625	2.0	ppbv	137149	1	2.790	683759	10.0
Cyclopentane, m...	3.234	1.6	ppbv	108047	1	2.790	683759	10.0
Decane	11.756	1.1	ppbv	183893	3	8.885	1630050	10.0