LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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: VL042185.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	420	rBV	4270422	4724824	100.00%	29.010%
2	1.486	427	432	434	rBV3	88651	57888	1.23%	0.355%
3	1.557	450	454	459	rBV	1021168	533159	11.28%	3.274%
4	1.603	464	468	471	rVV	444755	235739	4.99%	1.447%
5	1.622	471	474	478	rVB	109657	57942	1.23%	0.356%
6	1.722	501	505	509	rBV	202737	116091	2.46%	0.713%
7	1.774	517	521	527	rBV	160163	99384	2.10%	0.610%
8	1.836	536	540	548	rVB	2126258	1457667	30.85%	8.950%
9	1.965	575	580	584	rVB	181736	127912	2.71%	0.785%
10	2.473	732	737	744	rVB	178763	182151	3.86%	1.118%
11	2.512	744	749	760	rVB3	46404	50123	1.06%	0.308%
12	2.561	760	764	776	rVB	60138	60608	1.28%	0.372%
13	2.626	776	784	793	rVB2	102261	111036	2.35%	0.682%
14	2.791	825	835	841	rBV	679699	716741	15.17%	4.401%
15	2.826	841	846	860	rVB2	205535	242043	5.12%	1.486%
16	3.231	961	971	979	rBV2	57075	70818	1.50%	0.435%
17	3.658	1087	1103	1111	rBV4	57299	93710	1.98%	0.575%
18	3.697	1111	1115	1126	rVB3	39300	52352	1.11%	0.321%
19	3.962	1184	1197	1210	rBV	870291	1418704	30.03%	8.711%
20	4.053	1215	1225	1234	rBV4	41325	79790	1.69%	0.490%
21	4.266	1280	1291	1306	rBV4	54250	118768	2.51%	0.729%
22	6.940	2101	2117	2136	rBV3	202661	426925	9.04%	2.621%
23	7.697	2341	2351	2366	rVB5	49910	95365	2.02%	0.586%
24	8.882	2704	2717	2730	rBV	1153082	1733843	36.70%	10.646%
25	9.151	2790	2800	2811	rBV3	69273	104429	2.21%	0.641%
26	9.358	2855	2864	2868	rBV	45260	63916	1.35%	0.392%
27	9.390	2868	2874	2891	rVB	122964	171912	3.64%	1.056%
28	9.533	2909	2918	2935	rVB2	122401	230148	4.87%	1.413%
29	9.636	2941	2950	2962	rBV2	52388	75069	1.59%	0.461%
30	9.966	3042	3052	3063	rVB3	84218	162317	3.44%	0.997%
31	10.377	3165	3179	3190	rBV	1520250	1891906	40.04%	11.616%
32	11.096	3392	3401	3407	rBV	77638	96706	2.05%	0.594%
33	11.206	3422	3435	3443	rVB2	42544	52004	1.10%	0.319%
34	11.309	3455	3467	3472	rBV10	21542	47390	1.00%	0.291%
35	11.539	3526	3538	3548	rBV2	127254	162178	3.43%	0.996%
36	12.232	3744	3752	3758	rBV3	88963	103051	2.18%	0.633%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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	12.442	3811	3817	3823	rBV	54403	56613	1.20%	0.348%
38	12.513	3832	3839	3846	rBV3	63614	81157	1.72%	0.498%
39	12.653	3874	3882	3885	rBV4	52361	59932	1.27%	0.368%
40	12.672	3885	3888	3897	rVB2	59379	64290	1.36%	0.395%

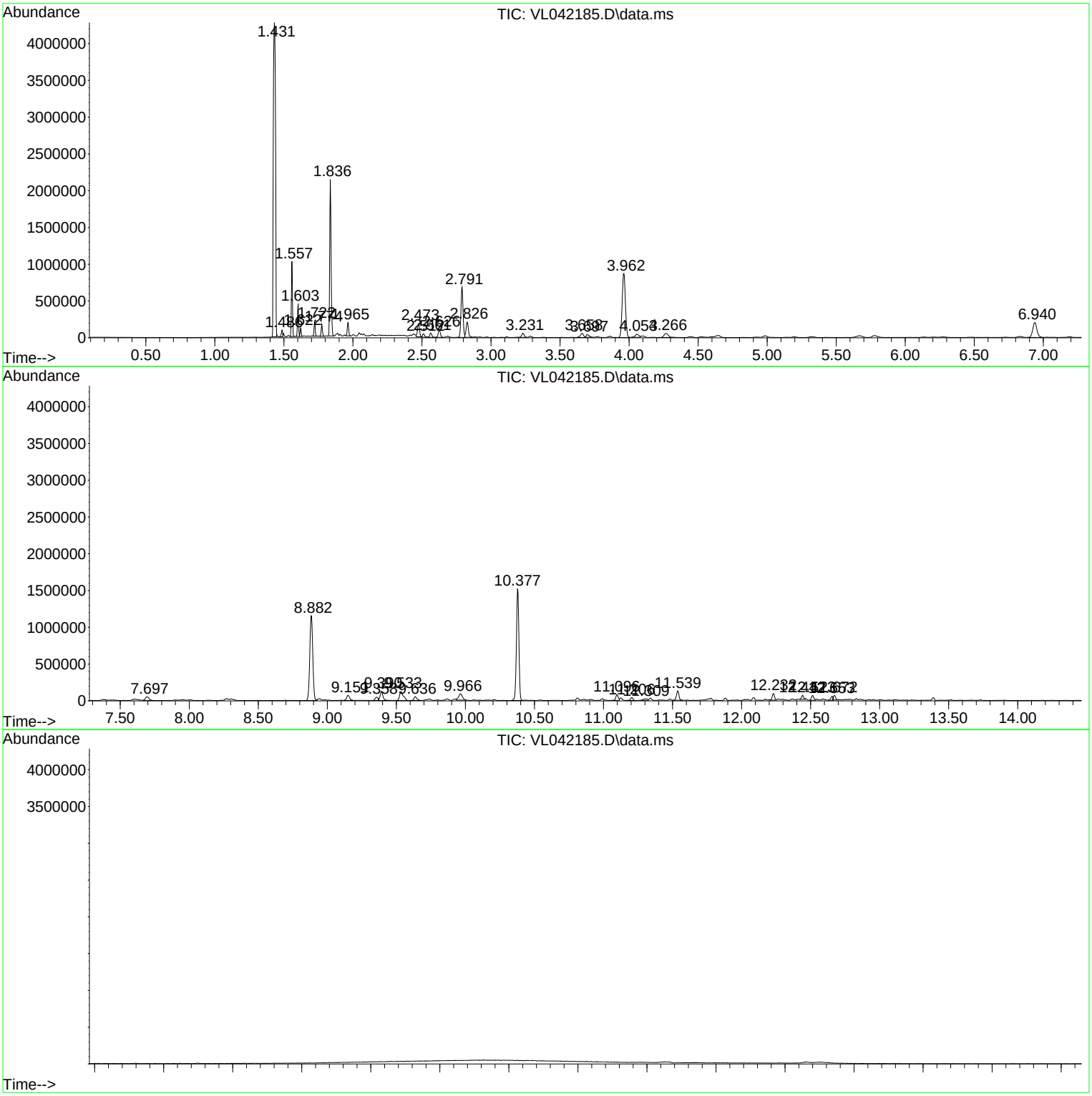
Sum of corrected areas: 16286601

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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 : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

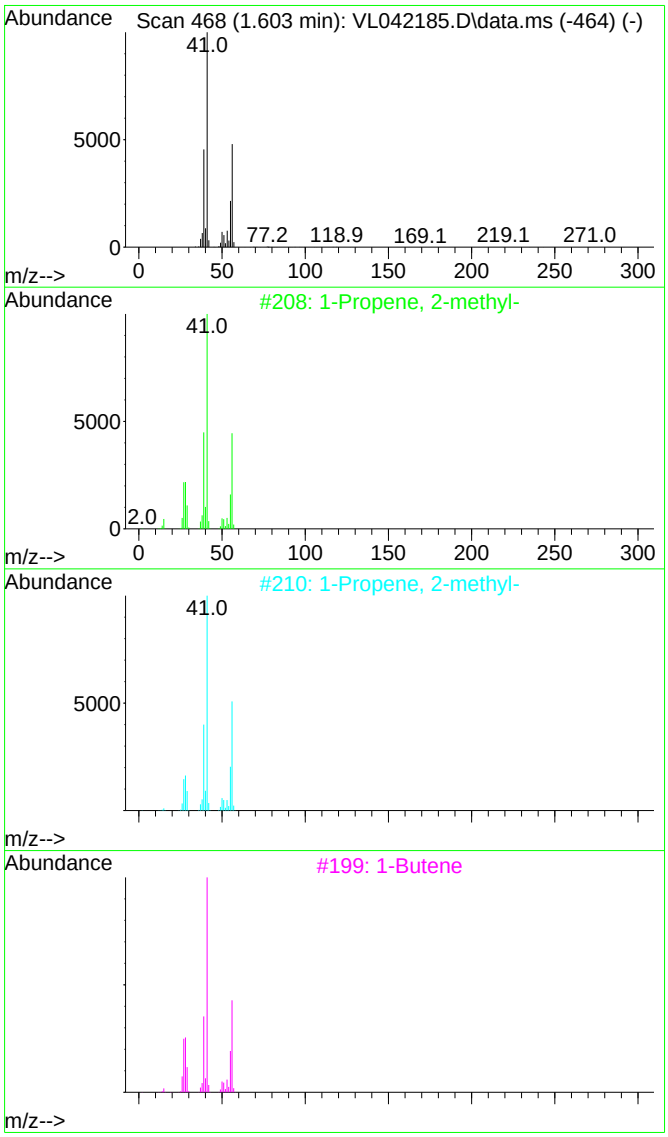
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

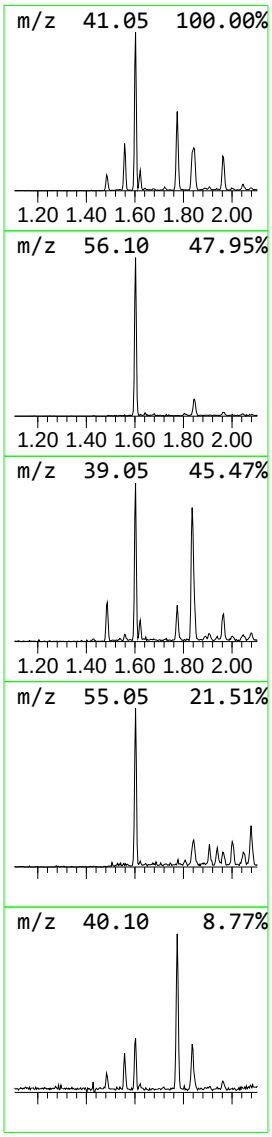
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Propene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.603	3.29 ppbv	235739	Bromochloromethane	2.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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

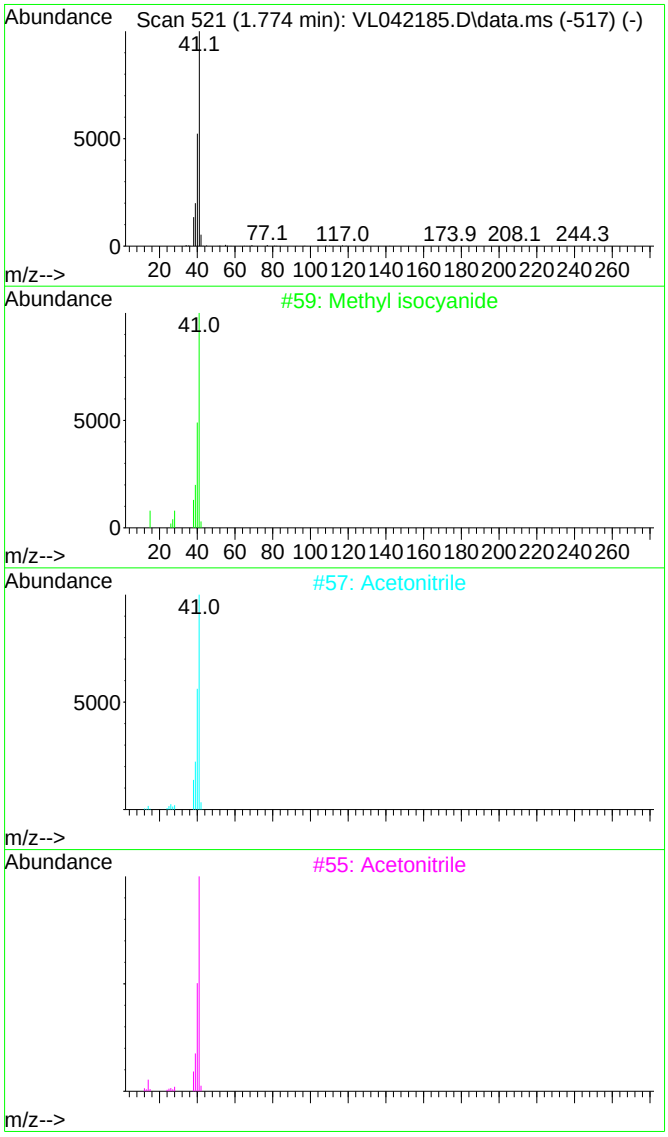
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

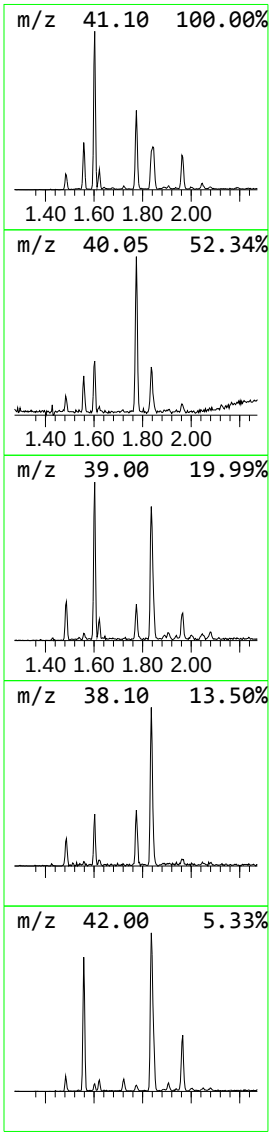
****

Peak Number 2 unknown1.774 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.774	1.39 ppbv	99384	Bromochloromethane	2.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl isocyanide	41	C2H3N	000593-75-9	42
2	Acetonitrile	41	C2H3N	000075-05-8	42
3	Acetonitrile	41	C2H3N	000075-05-8	42
4	Acetonitrile	41	C2H3N	000075-05-8	9
5	Acetic acid, cyano-	85	C3H3NO2	000372-09-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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

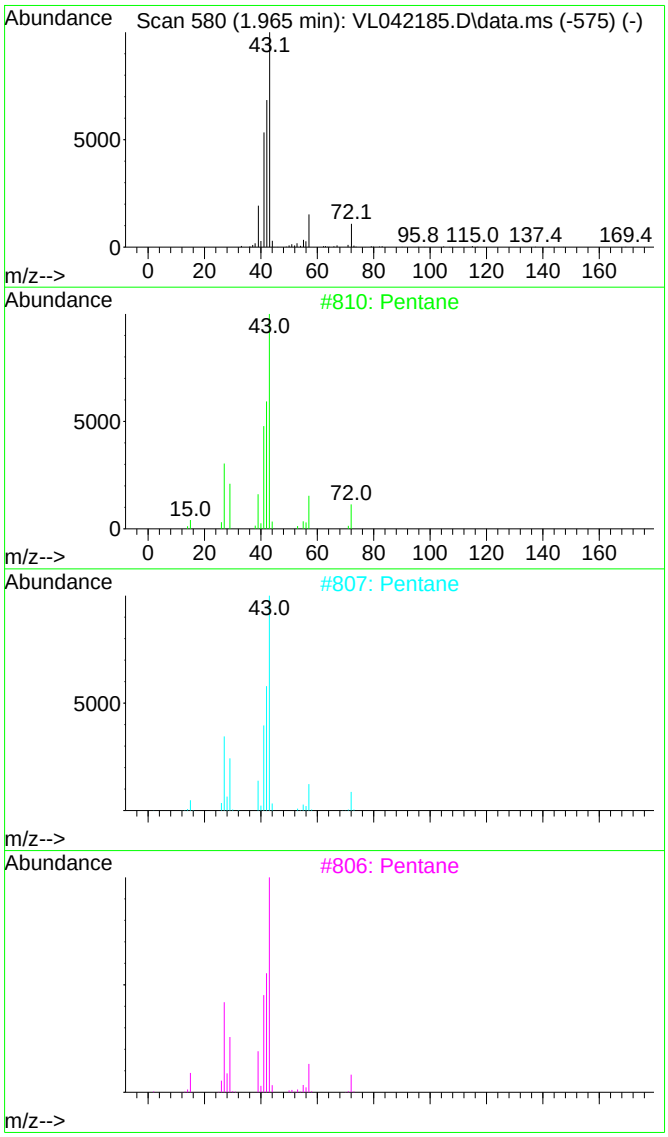
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

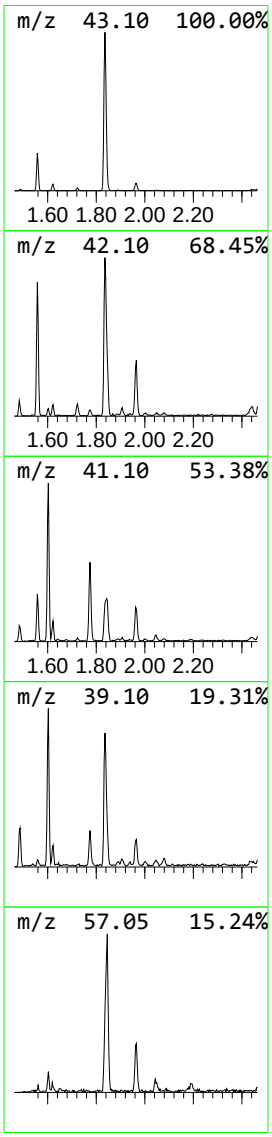
****

Peak Number 3 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	1.78 ppbv	127912	Bromochloromethane	2.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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

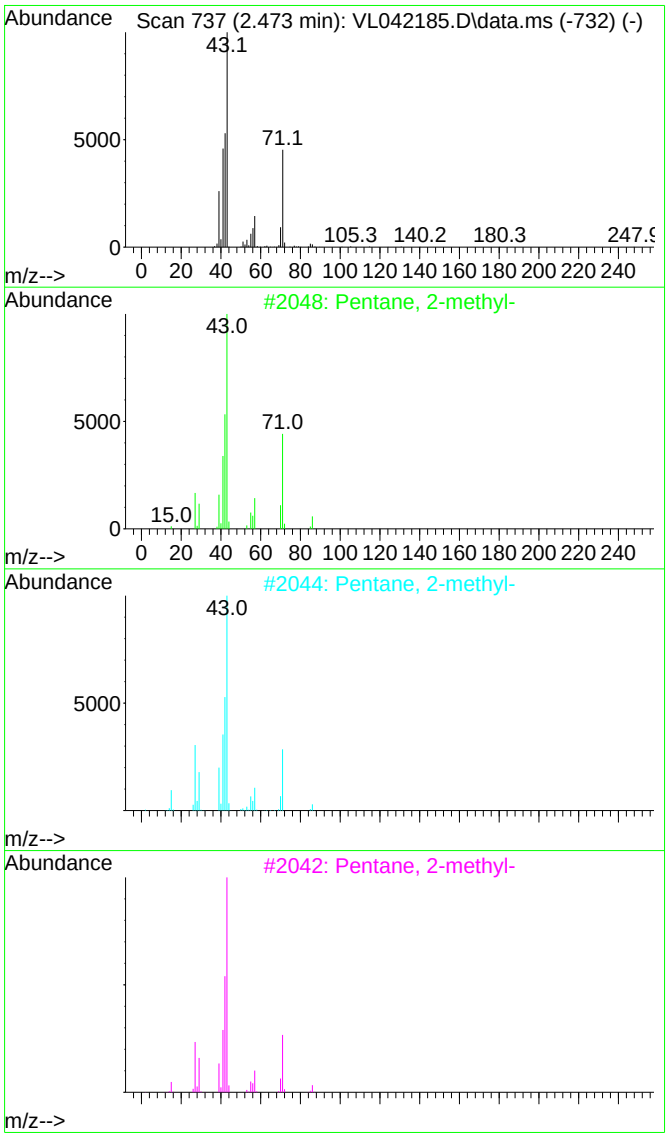
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

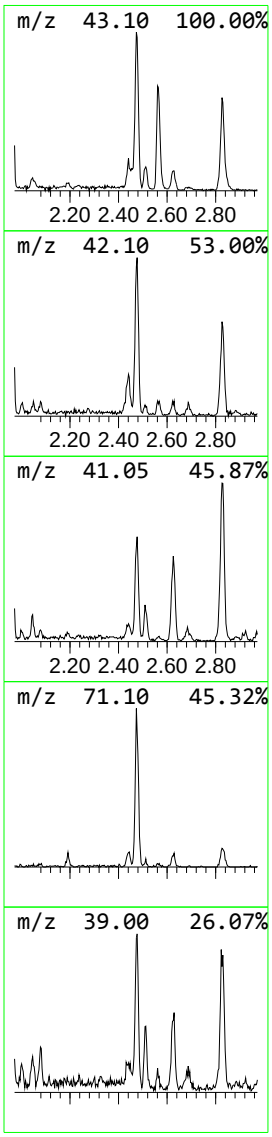
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.473	2.54 ppbv	182151	Bromochloromethane	2.791

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	78
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
Sample : Q1669-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-3-3262025

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

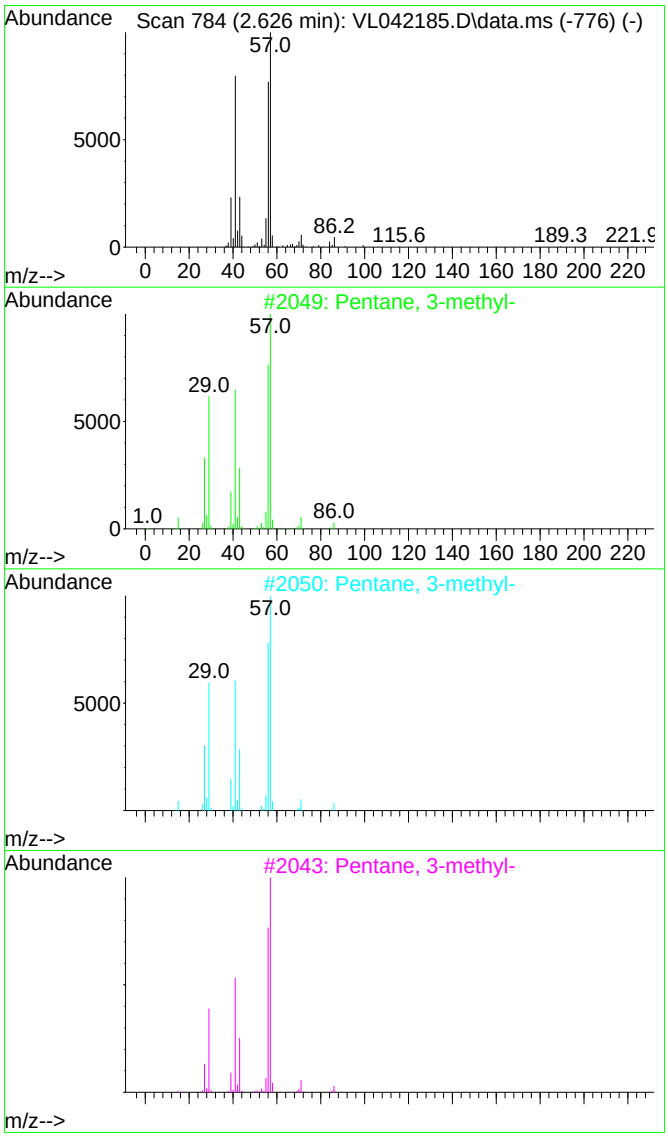
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

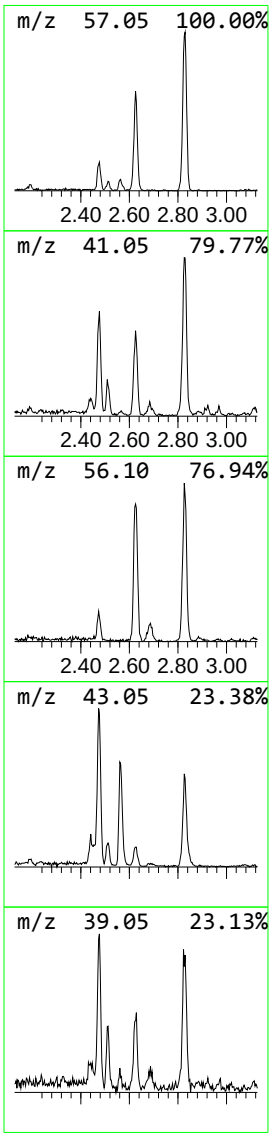
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.626	1.55 ppbv	111036	Bromochloromethane	2.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042185.D
Acq On : 27 Mar 2025 18:22
Operator : SY/MD
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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
1-Propene, 2-me...	1.603	3.3	ppbv	235739	1	2.791	716741	10.0
unknown1.774	1.774	1.4	ppbv	99384	1	2.791	716741	10.0
Pentane	1.965	1.8	ppbv	127912	1	2.791	716741	10.0
Pentane, 2-methyl-	2.473	2.5	ppbv	182151	1	2.791	716741	10.0
Pentane, 3-methyl-	2.626	1.6	ppbv	111036	1	2.791	716741	10.0