LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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: VL042258.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.437	412	417	421	rBV	1492050	849746	50.44%	9.335%
2	2.803	827	839	848	rBV	624242	651947	38.70%	7.162%
3	3.981	1189	1203	1217	rBV	807895	1286474	76.37%	14.133%
4	4.120	1236	1246	1258	rVB6	13372	26940	1.60%	0.296%
5	5.703	1718	1735	1750	rVB7	23840	64504	3.83%	0.709%
6	5.826	1756	1773	1792	rVB6	34409	95943	5.70%	1.054%
7	6.224	1882	1896	1897	rBV4	31225	35621	2.11%	0.391%
8	6.240	1899	1901	1910	rVV4	36877	48444	2.88%	0.532%
9	6.305	1912	1921	1924	rVV5	31250	54588	3.24%	0.600%
10	6.318	1924	1925	1937	rVB3	25622	19915	1.18%	0.219%
11	6.499	1968	1981	1982	rBV4	31263	42049	2.50%	0.462%
12	6.554	1990	1998	2013	rVB7	26819	58323	3.46%	0.641%
13	6.758	2047	2061	2071	rBV6	36332	77169	4.58%	0.848%
14	7.215	2186	2202	2225	rBV3	79946	193707	11.50%	2.128%
15	7.474	2269	2282	2283	rBV5	29026	34213	2.03%	0.376%
16	7.483	2283	2285	2297	rVB5	28451	38434	2.28%	0.422%
17	7.648	2322	2336	2344	rBV5	105819	217201	12.89%	2.386%
18	7.697	2344	2351	2364	rVB3	76599	141378	8.39%	1.553%
19	7.846	2385	2397	2409	rBV4	40287	73413	4.36%	0.806%
20	7.920	2409	2420	2437	rBV5	25342	69097	4.10%	0.759%
21	8.004	2437	2446	2449	rBV7	11742	16938	1.01%	0.186%
22	8.040	2452	2457	2465	rVB7	17161	24323	1.44%	0.267%
23	8.160	2481	2494	2507	rBV2	129780	224871	13.35%	2.470%
24	8.341	2537	2550	2564	rVB5	78258	141586	8.41%	1.555%
25	8.710	2655	2664	2672	rBV5	20232	30225	1.79%	0.332%
26	8.794	2681	2690	2700	rVB3	33077	49792	2.96%	0.547%
27	8.901	2706	2723	2735	rBV	1082442	1684526	100.00%	18.505%
28	9.017	2746	2759	2771	rVB6	126537	319026	18.94%	3.505%
29	9.121	2781	2791	2798	rBV2	95137	149569	8.88%	1.643%
30	9.166	2798	2805	2827	rVB4	143284	272632	16.18%	2.995%
31	9.399	2869	2877	2882	rBV6	24066	33895	2.01%	0.372%
32	9.438	2882	2889	2899	rVB3	59154	85911	5.10%	0.944%
33	9.584	2927	2934	2941	rVB5	32930	43043	2.56%	0.473%
34	9.674	2955	2962	2972	rVB4	34203	48786	2.90%	0.536%
35	9.982	3045	3057	3062	rBV7	12199	26600	1.58%	0.292%
36	10.011	3062	3066	3078	rVB10	18198	29551	1.75%	0.325%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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	10.118	3094	3099	3106	rVV6	23257	31243	1.85%	0.343%
38	10.166	3106	3114	3123	rVB6	23550	38431	2.28%	0.422%
39	10.393	3174	3184	3195	rVV	1283045	1557276	92.45%	17.108%
40	10.451	3195	3202	3211	rVV6	31501	43838	2.60%	0.482%
41	11.222	3428	3440	3447	rBV4	35505	45283	2.69%	0.497%
42	11.552	3535	3542	3554	rBV4	33632	47608	2.83%	0.523%
43	11.788	3602	3615	3623	rVB3	43851	59790	3.55%	0.657%
44	11.898	3640	3649	3655	rVB4	17648	19033	1.13%	0.209%

Sum of corrected areas: 9102882

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Operator : SY/MD
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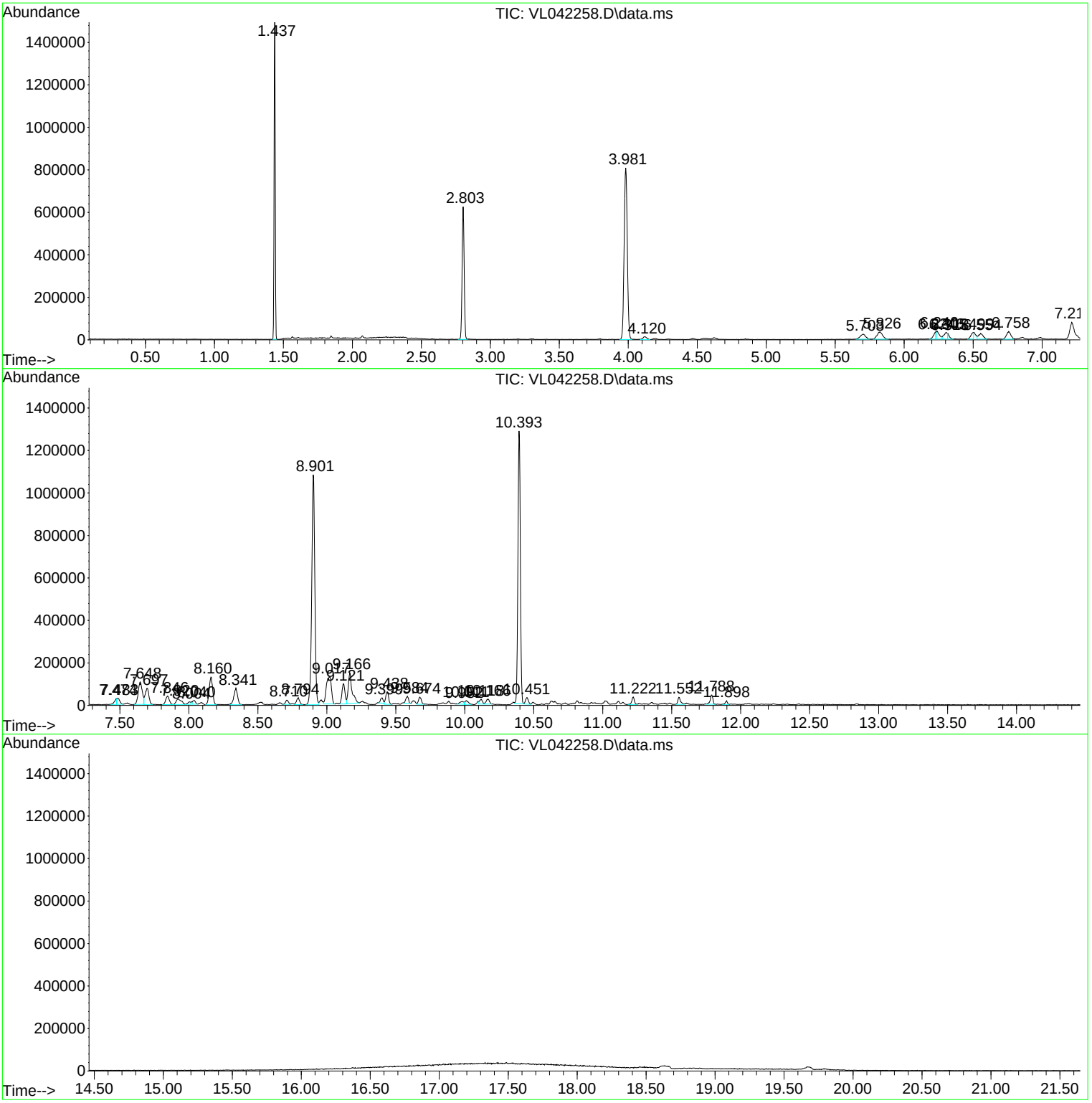
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

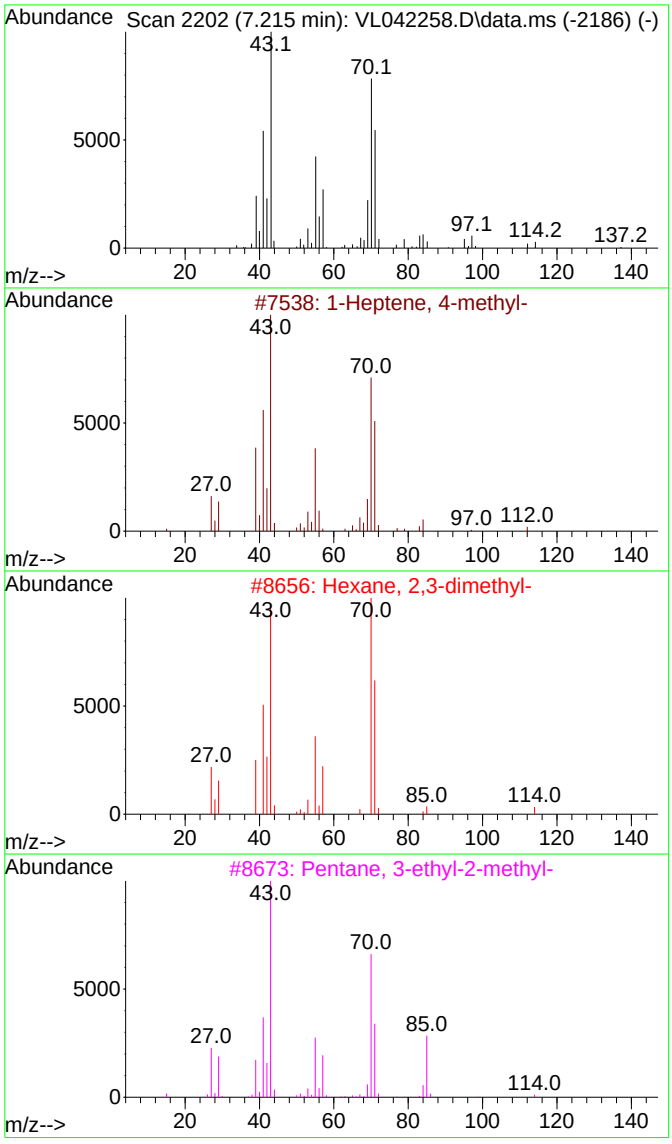
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

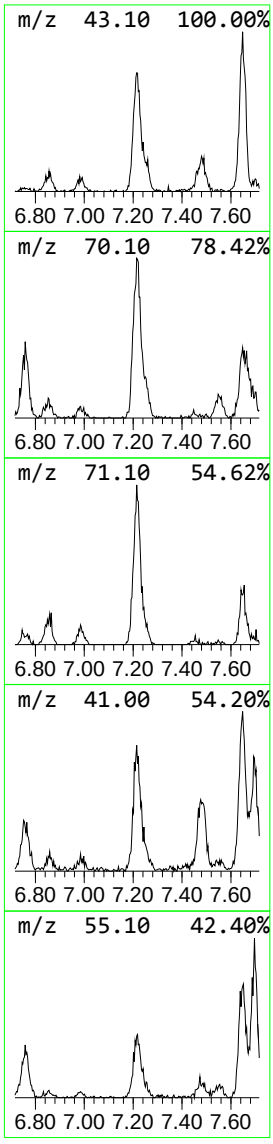
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Heptene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.215	1.15 ppbv	193707	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	87
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	87
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
5	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

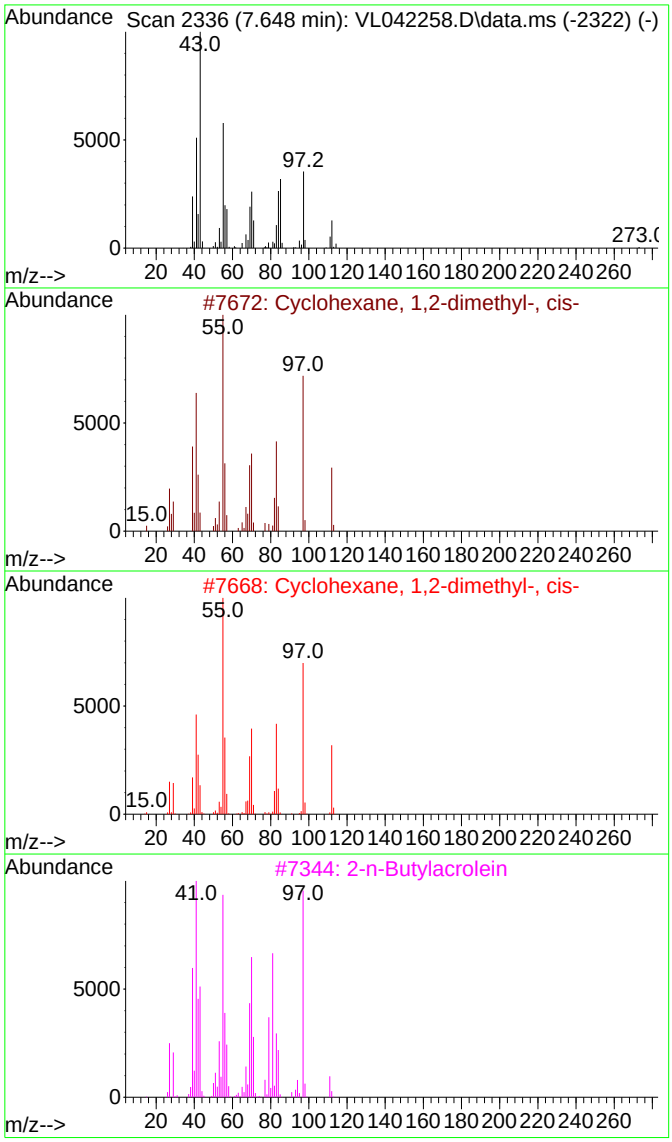
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

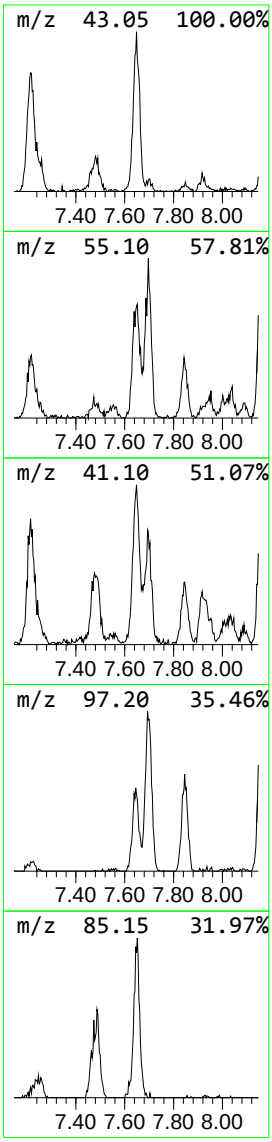
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.648	1.29 ppbv	217201	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	53
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49
3	2-n-Butylacrolein	112	C7H12O	001070-66-2	43
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

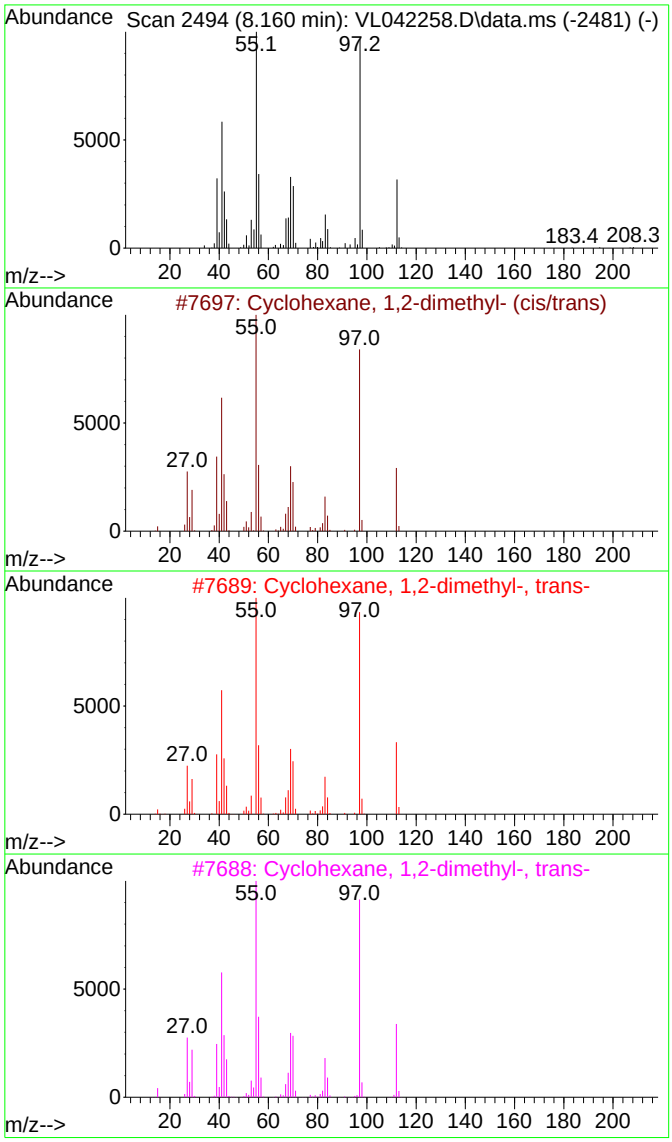
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

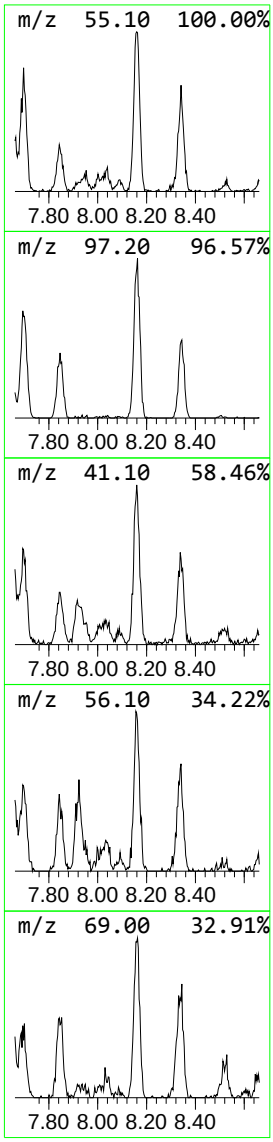
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.160	1.33 ppbv	224871	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

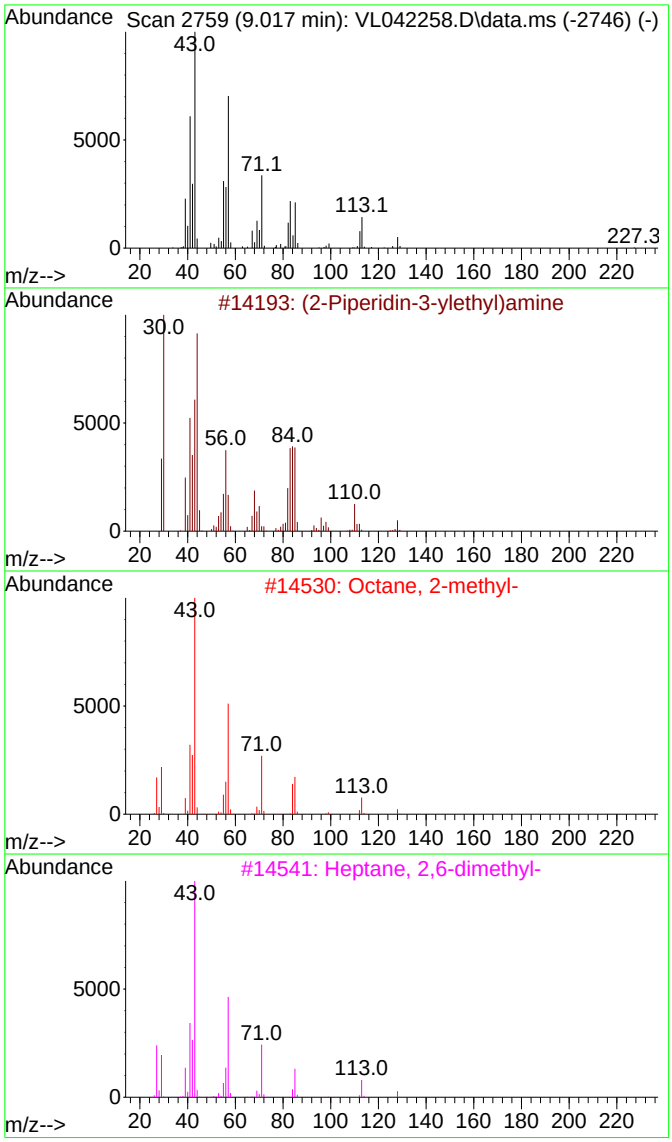
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

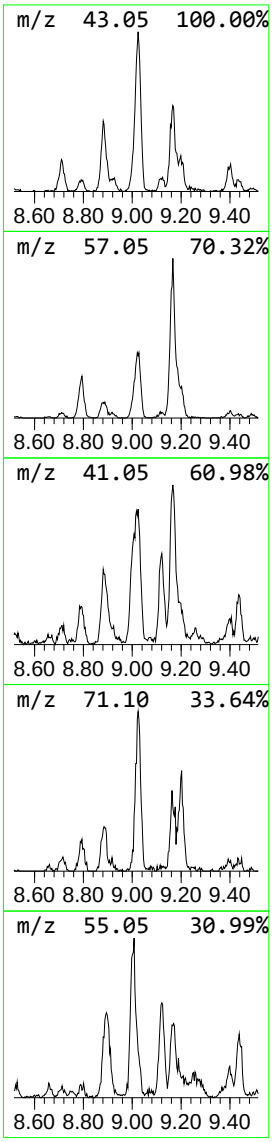
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (2-Piperidin-3-ylethyl)amine Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.017	1.89 ppbv	319026	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2-Piperidin-3-ylethyl)amine	128	C7H16N2	089850-94-2	52
2	Octane, 2-methyl-	128	C9H20	003221-61-2	50
3	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	49
4	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	47
5	1-Octene	112	C8H16	000111-66-0	38





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Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

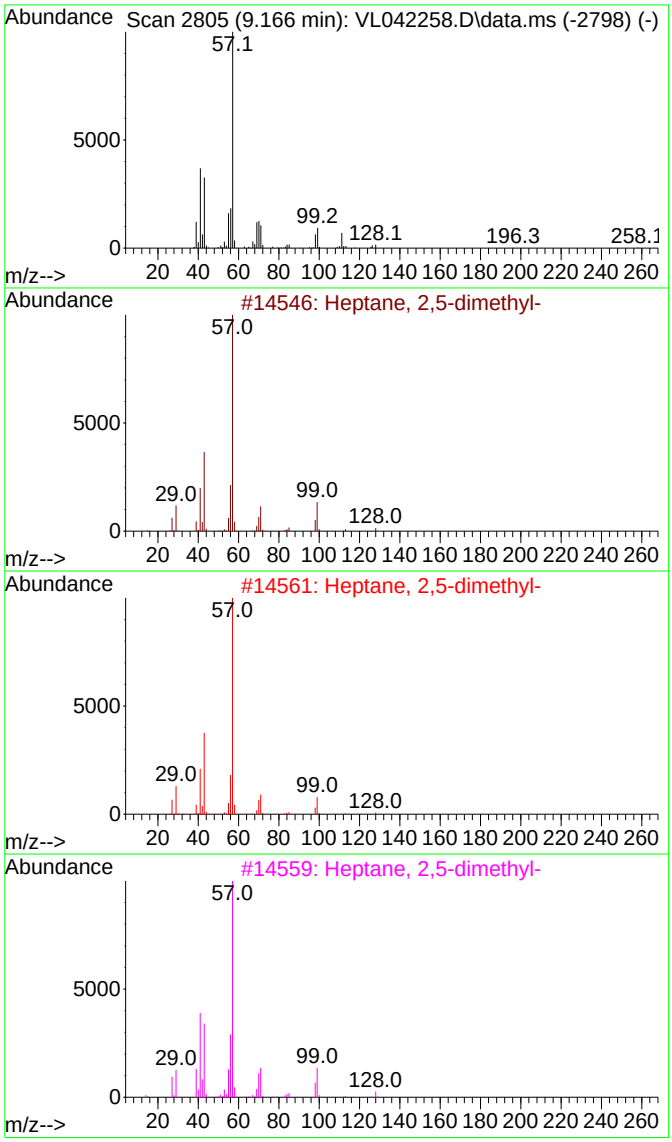
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

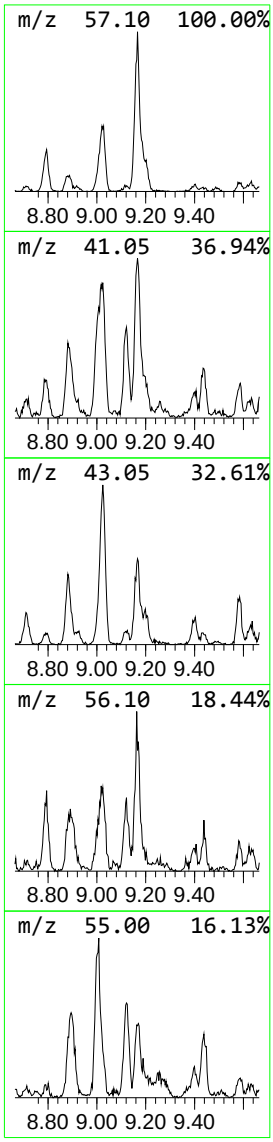
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.166	1.62 ppbv	272632	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	68
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	62
5	Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042258.D
Acq On : 08 Apr 2025 12:05
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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-Heptene, 4-me...	7.215	1.1	ppbv	193707	3	8.901	1684530	10.0
Cyclohexane, 1,...	7.648	1.3	ppbv	217201	3	8.901	1684530	10.0
Cyclohexane, 1,...	8.160	1.3	ppbv	224871	3	8.901	1684530	10.0
(2-Piperidin-3-...	9.017	1.9	ppbv	319026	3	8.901	1684530	10.0
Heptane, 2,5-di...	9.166	1.6	ppbv	272632	3	8.901	1684530	10.0