LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

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\VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042802.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.421	409	412	416	rBV	4878380	4924174	11.26%	3.257%
2	1.437	416	417	423	rVV	4657010	2100972	4.80%	1.389%
3	1.473	423	428	430	rVV	5299430	3047387	6.97%	2.015%
4	1.486	430	432	439	rVB	2836775	1249942	2.86%	0.827%
5	1.557	450	454	459	rVB	5748792	3090931	7.07%	2.044%
6	1.725	497	506	527	rBV	3549019	8924369	20.40%	5.902%
7	1.832	535	539	547	rBV	4697804	3868850	8.85%	2.559%
8	1.926	550	568	569	rBV2	17861437	43737113	100.00%	28.926%
9	1.965	569	580	581	rVV2	18795301	42017525	96.07%	27.789%
10	1.984	581	586	590	rVV2	19474300	25978154	59.40%	17.181%
11	2.787	825	834	840	rBV	629541	652041	1.49%	0.431%
12	3.955	1181	1195	1208	rBV	779386	1230178	2.81%	0.814%
13	8.878	2704	2716	2730	rBV	991737	1467148	3.35%	0.970%
14	10.377	3161	3179	3189	rBV	1395144	1707047	3.90%	1.129%
15	10.856	3319	3327	3337	rVB2	611630	698240	1.60%	0.462%
16	11.426	3493	3503	3514	rVB2	855090	963270	2.20%	0.637%
17	11.850	3625	3634	3643	rBV	1418014	1519060	3.47%	1.005%
18	12.041	3685	3693	3703	rBV	3787369	4028234	9.21%	2.664%

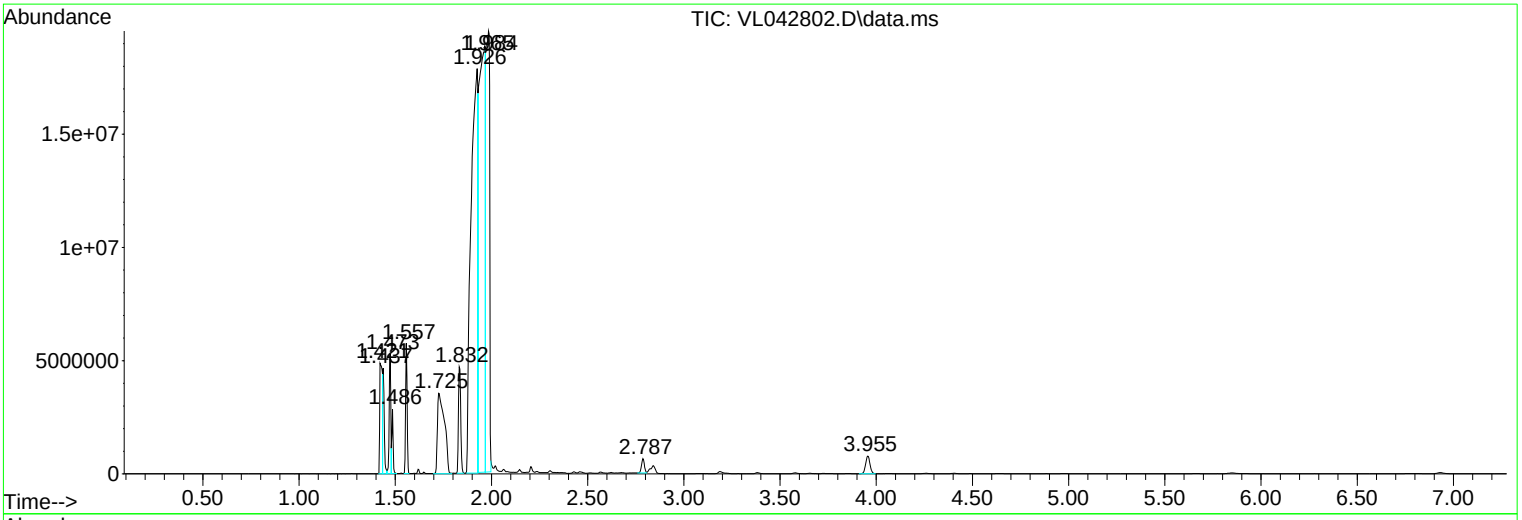
Sum of corrected areas: 151204635

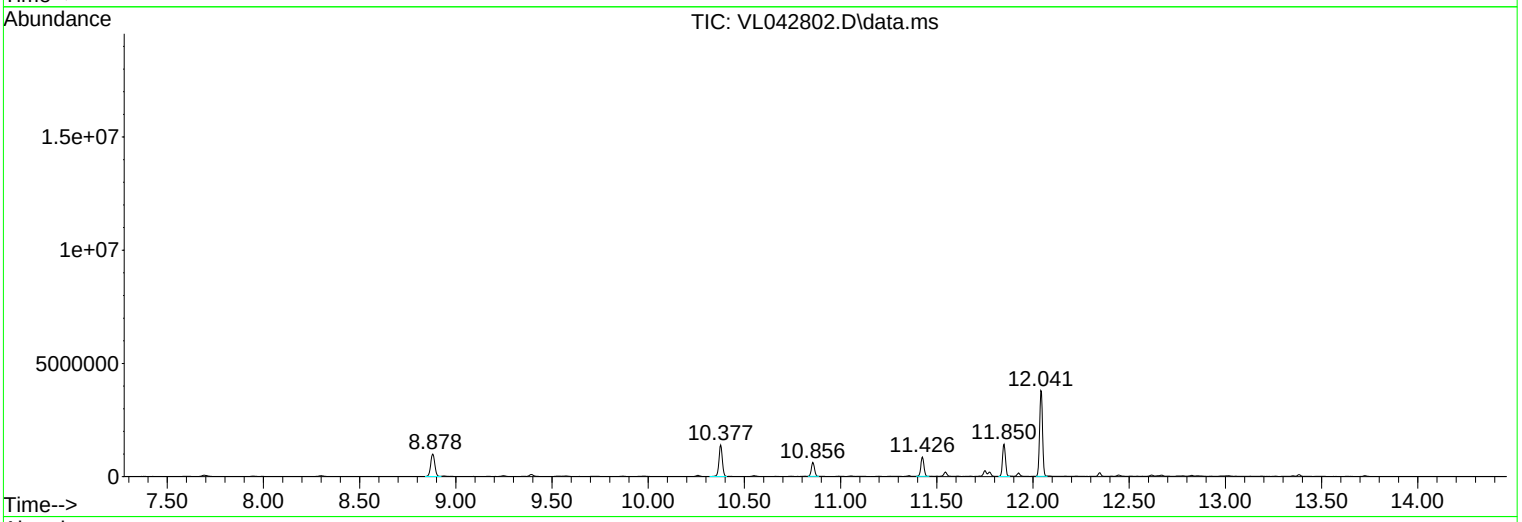
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

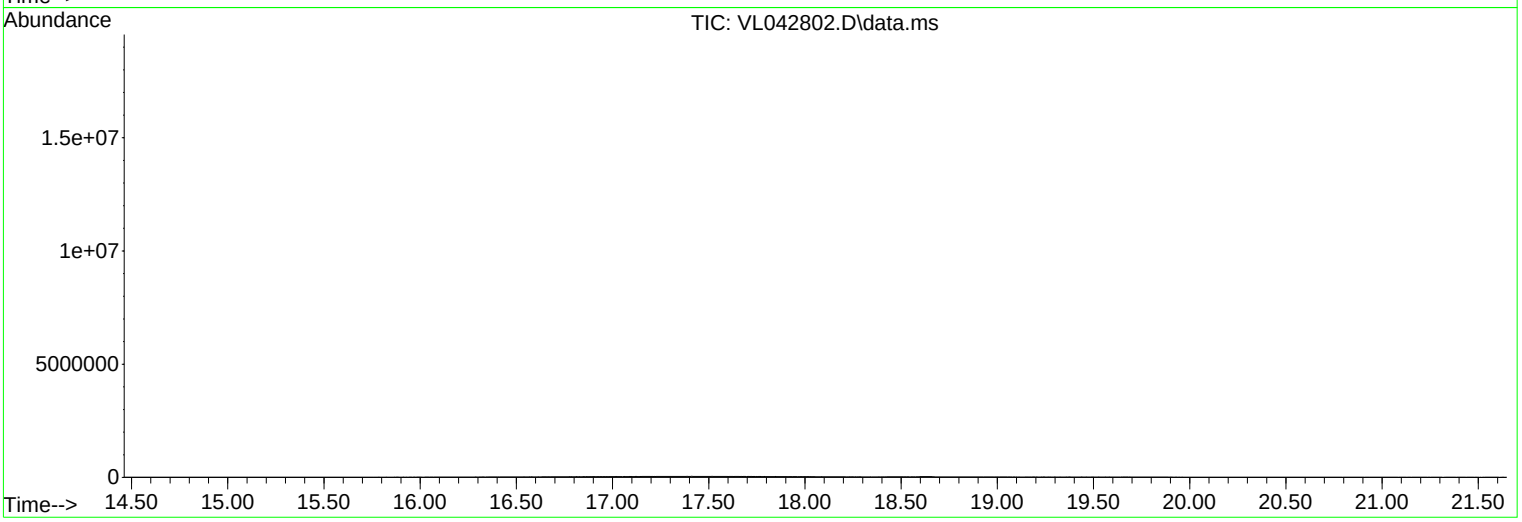
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.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\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

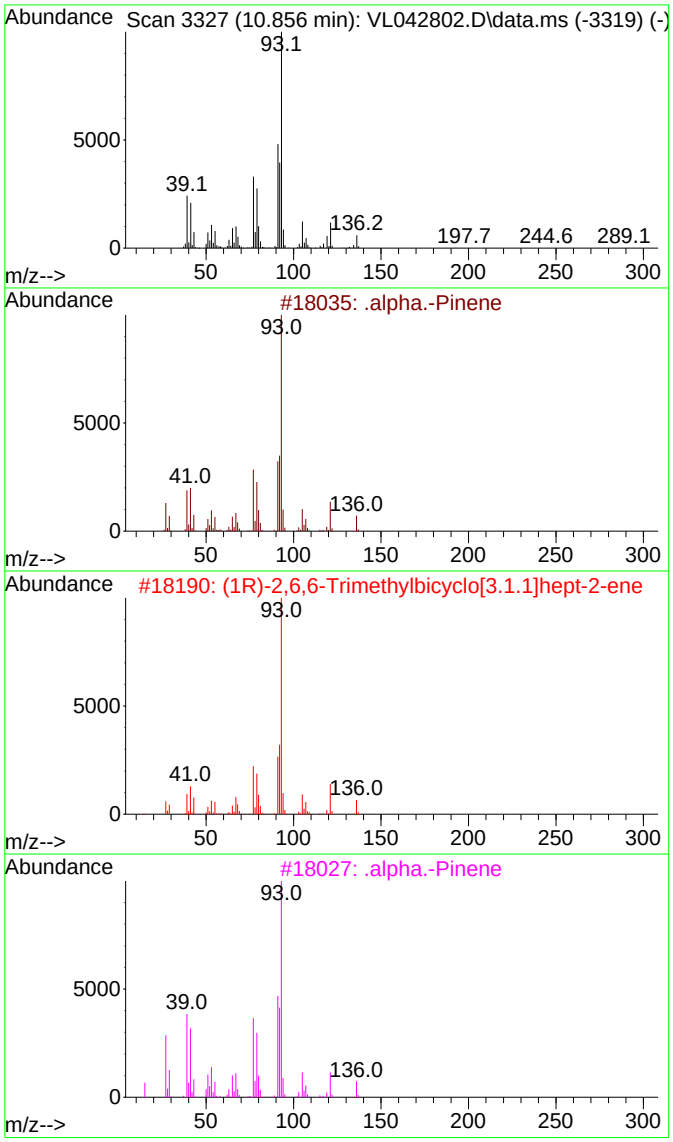
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

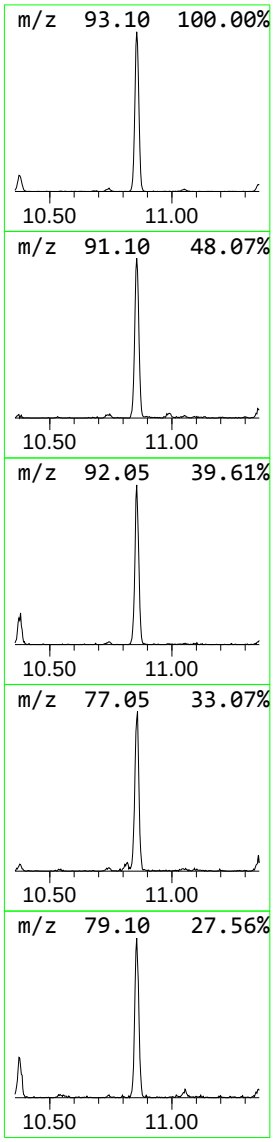
****

Peak Number 3 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.856	4.76 ppbv	698240	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	.alpha.-Pinene	136	C10H16	000080-56-8	94
4	.alpha.-Pinene	136	C10H16	000080-56-8	90
5	(+)-3-Carene	136	C10H16	000498-15-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

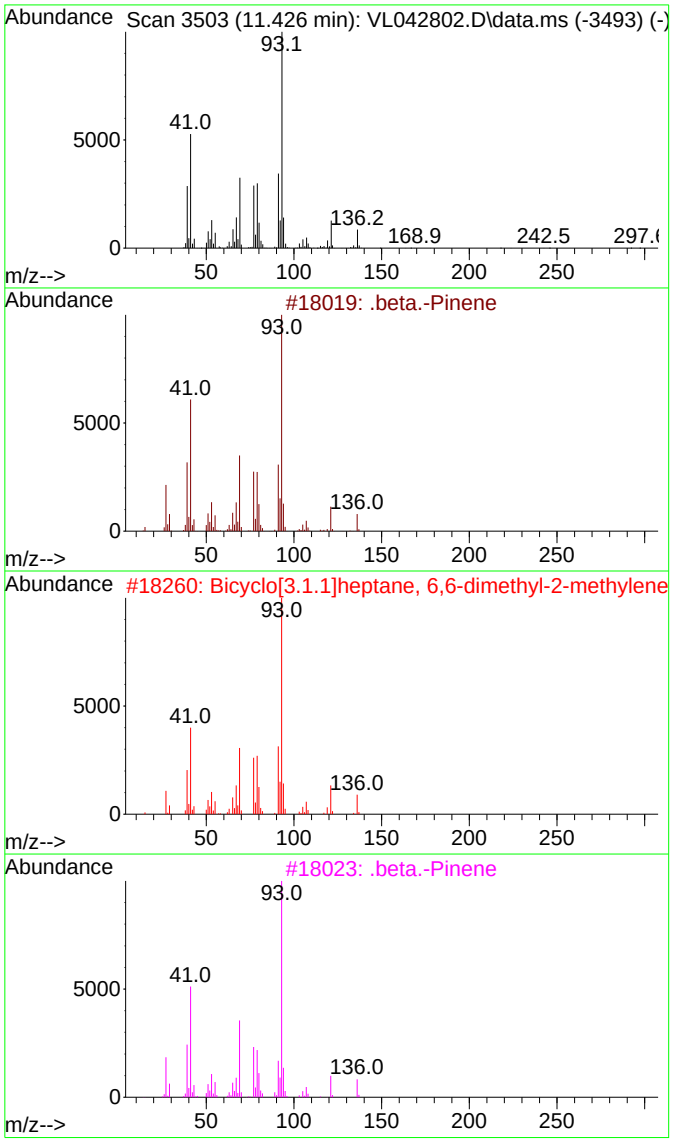
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

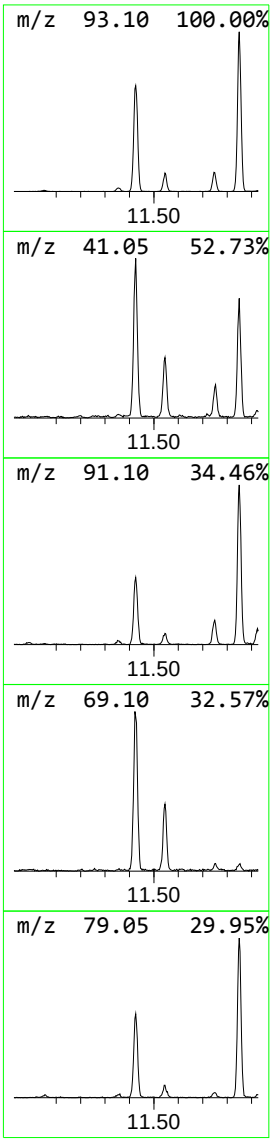
****

Peak Number 4 .beta.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.426	6.57 ppbv	963270	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3	.beta.-Pinene	136	C10H16	000127-91-3	95
4	.alpha.-Pinene	136	C10H16	000080-56-8	93
5	.alpha.-Pinene	136	C10H16	000080-56-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

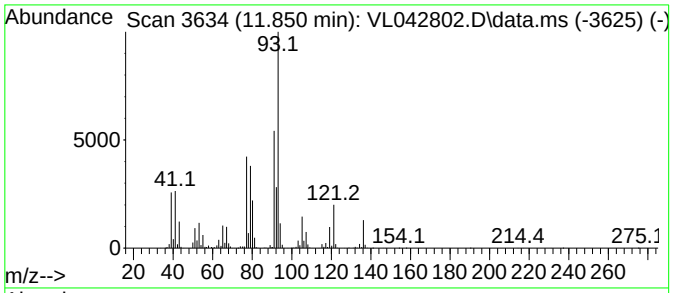
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

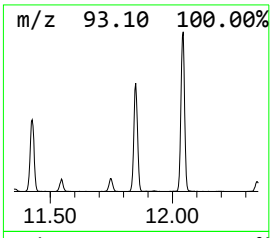
****

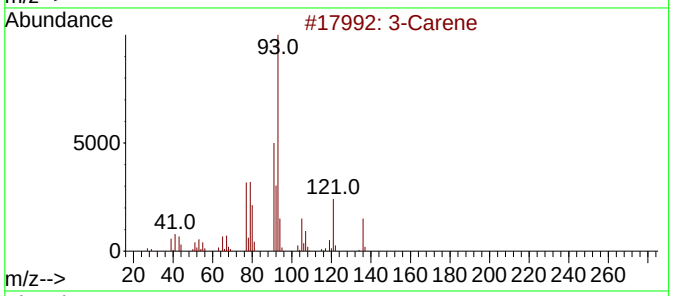
Peak Number 5 3-Carene Concentration Rank 4

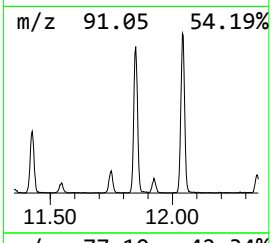
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.850	10.35 ppbv	1519060	Chlorobenzene-d5	8.878

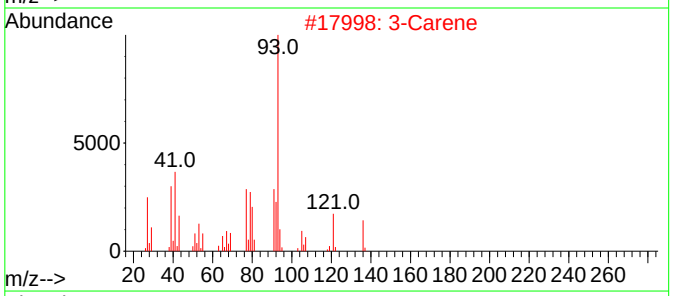
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	94
2	3-Carene	136	C10H16	013466-78-9	94
3	.gamma.-Terpinene	136	C10H16	000099-85-4	93
4	Cyclopropane, 1,1-dimethyl-2-(3-...	136	C10H16	068998-21-0	91
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90

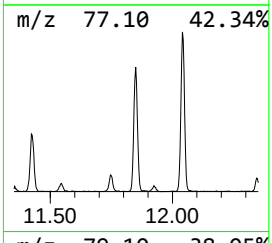


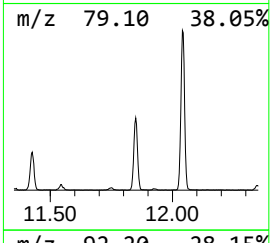


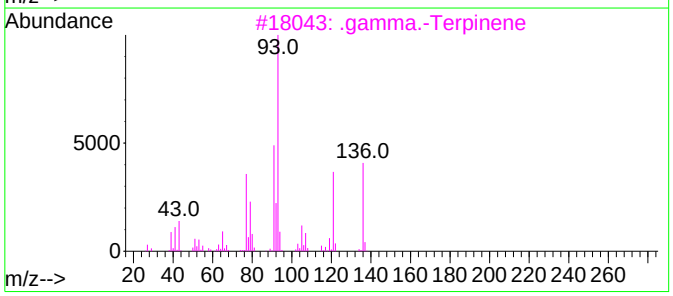


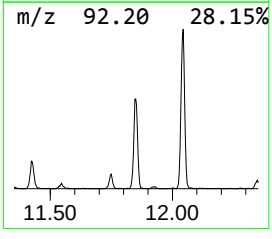












Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

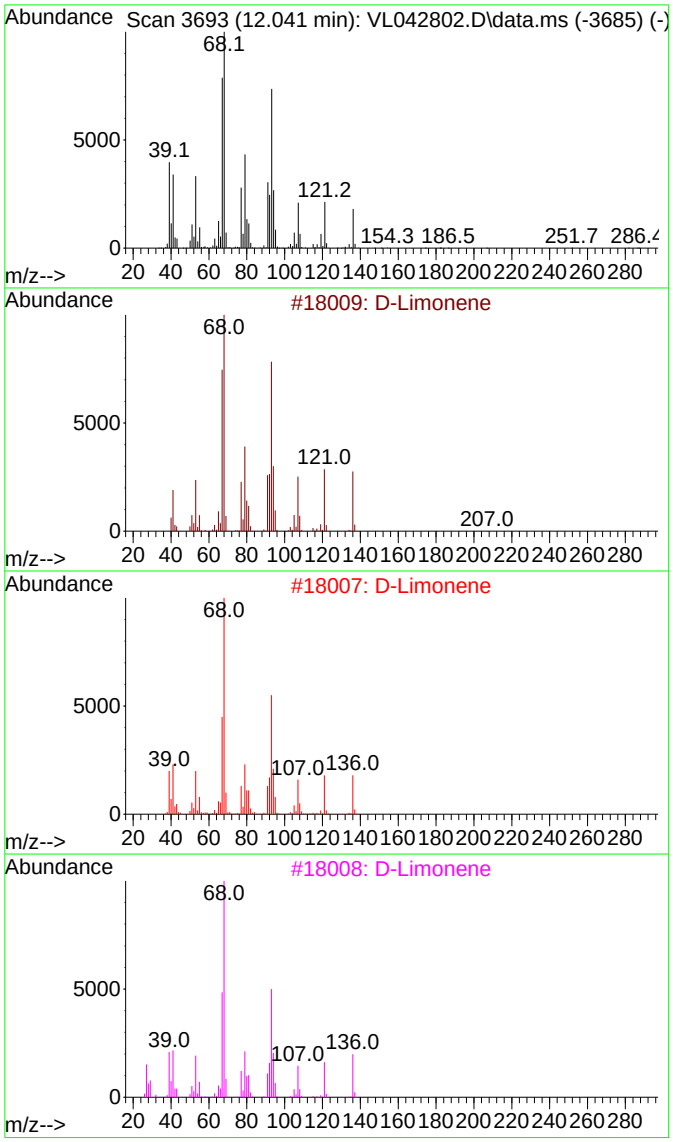
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

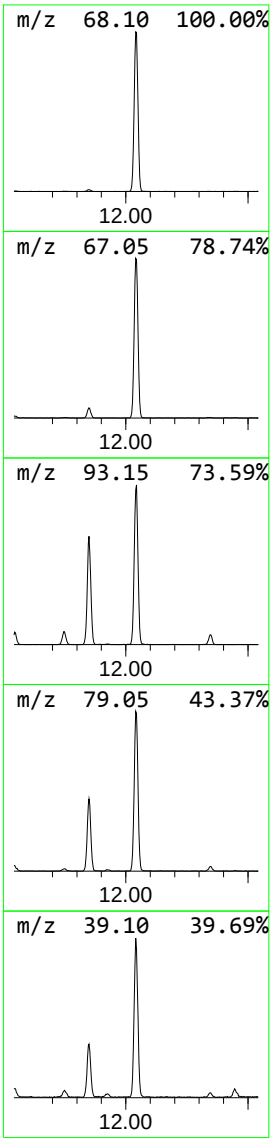
****

Peak Number 6 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.041	27.46 ppbv	4028230	Chlorobenzene-d5	8.878

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	94
3	D-Limonene	136	C10H16	005989-27-5	93
4	D-Limonene	136	C10H16	005989-27-5	93
5	Limonene	136	C10H16	000138-86-3	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042802.D
Acq On : 04 Aug 2025 13:30
Operator : SY/MD
Sample : Q2750-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.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
.alpha.-Pinene	10.856	4.8	ppbv	698240	3	8.878	1467150	10.0
.beta.-Pinene	11.426	6.6	ppbv	963270	3	8.878	1467150	10.0
3-Carene	11.850	10.4	ppbv	1519060	3	8.878	1467150	10.0
D-Limonene	12.041	27.5	ppbv	4028230	3	8.878	1467150	10.0