LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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_Y\methods\82Y030223S.M
Title : SW846 8260

Signal : TIC: VY013024.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.942	341	348	360	rBV	2915	7380	8.30%	1.681%
2	4.710	467	474	485	rVB3	1309	3699	4.16%	0.843%
3	6.972	837	845	855	rBV2	2902	8394	9.44%	1.912%
4	7.716	959	967	973	rBV2	7467	18343	20.63%	4.179%
5	7.789	973	979	989	rVB	13612	30685	34.51%	6.990%
6	8.143	1025	1037	1046	rVB4	7234	19714	22.17%	4.491%
7	8.691	1120	1127	1136	rVB	18041	35967	40.45%	8.193%
8	10.179	1363	1371	1378	rBV	26785	46404	52.19%	10.571%
9	10.575	1428	1436	1441	rBV2	1679	3074	3.46%	0.700%
10	11.313	1553	1557	1563	rBV3	1004	1612	1.81%	0.367%
11	11.490	1580	1586	1592	rBV	21992	36113	40.61%	8.227%
12	12.038	1671	1676	1681	rBV5	1306	2003	2.25%	0.456%
13	12.337	1717	1725	1733	rBV	53903	88916	100.00%	20.255%
14	12.483	1743	1749	1755	rBV2	17377	28788	32.38%	6.558%
15	12.544	1755	1759	1762	rVV3	4091	6278	7.06%	1.430%
16	12.581	1762	1765	1772	rVB2	5963	9498	10.68%	2.164%
17	12.892	1809	1816	1823	rVB	18711	30138	33.89%	6.865%
18	13.142	1851	1857	1862	rBV2	9851	15764	17.73%	3.591%
19	13.337	1884	1889	1892	rBV2	7627	11046	12.42%	2.516%
20	13.367	1892	1894	1898	rVV	3247	4108	4.62%	0.936%
21	13.428	1898	1904	1910	rVB	18318	28775	32.36%	6.555%
22	13.757	1953	1958	1961	rVB3	678	962	1.08%	0.219%
23	15.312	2209	2213	2218	rVB4	671	1317	1.48%	0.300%

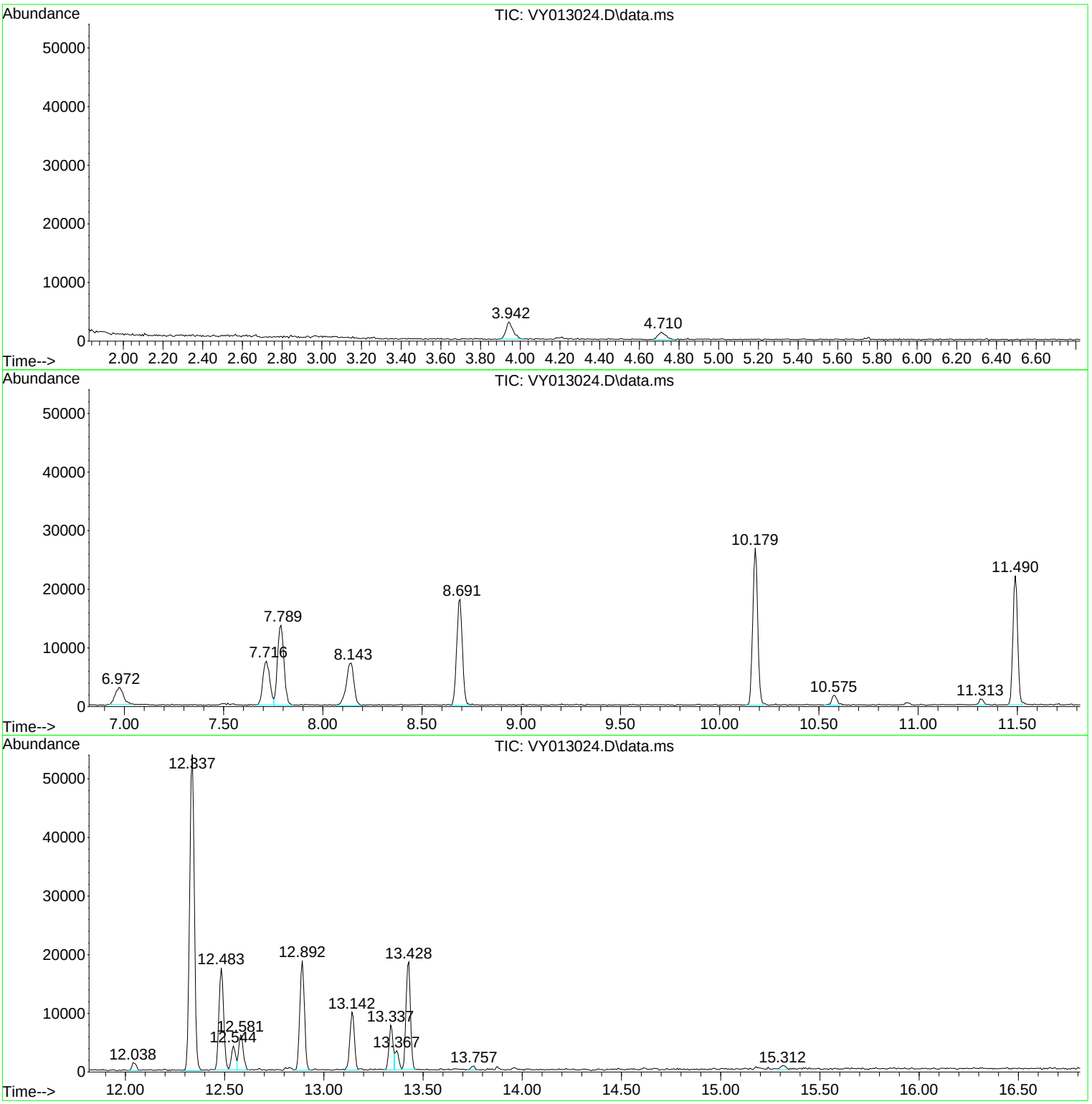
Sum of corrected areas: 438978

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

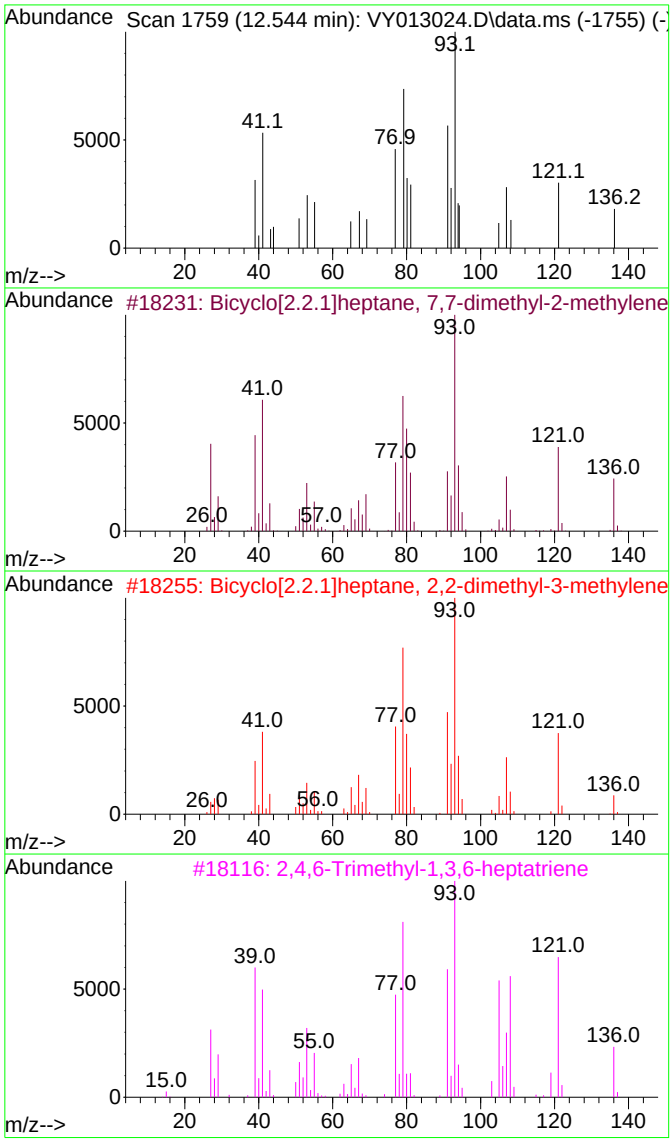
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

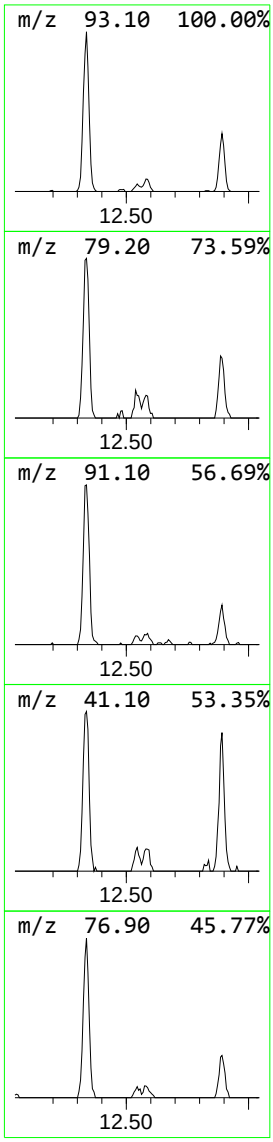
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.544	10.91 ug/l	6278	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	87
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	80
3	2,4,6-Trimethyl-1,3,6-heptatriene	136	C10H16	024648-33-7	72
4	1-Methyltricyclo[2.2.1.0(2,6)]he...	108	C8H12	004601-85-8	58
5	Cyclobutane, 2-ethylidene-1-vinyl-	108	C8H12	1000150-32-4	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

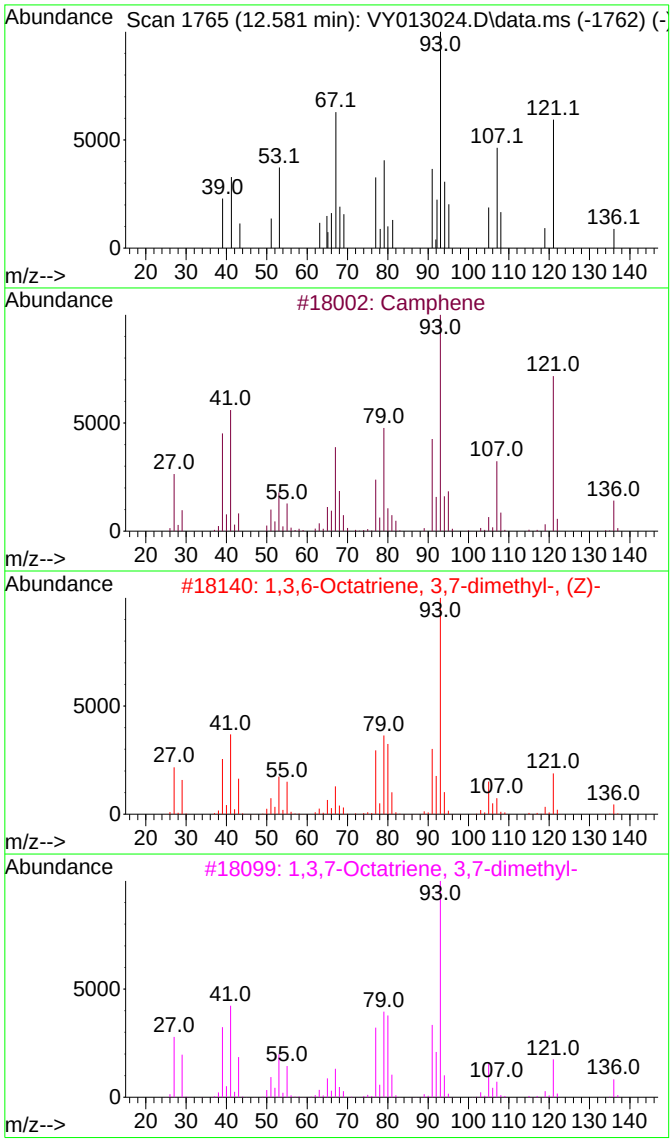
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

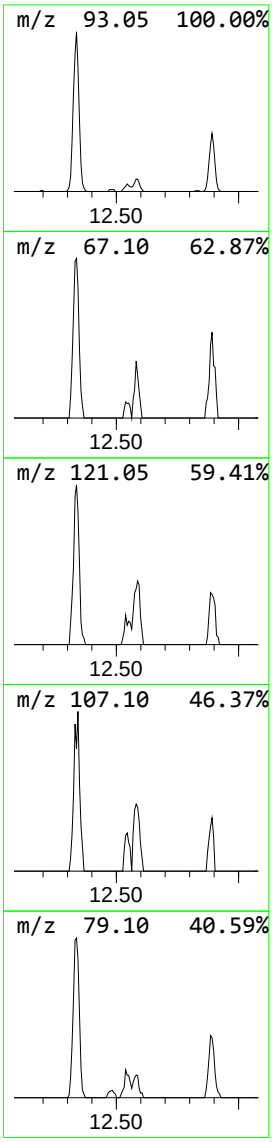
****

Peak Number 4 Camphene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.581	16.50 ug/l	9498	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	53
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	49
3	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	49
4	.beta.-Ocimene	136	C10H16	013877-91-3	47
5	1,3,6-Heptatriene, 2,5,6-trimethyl-	136	C10H16	042123-66-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

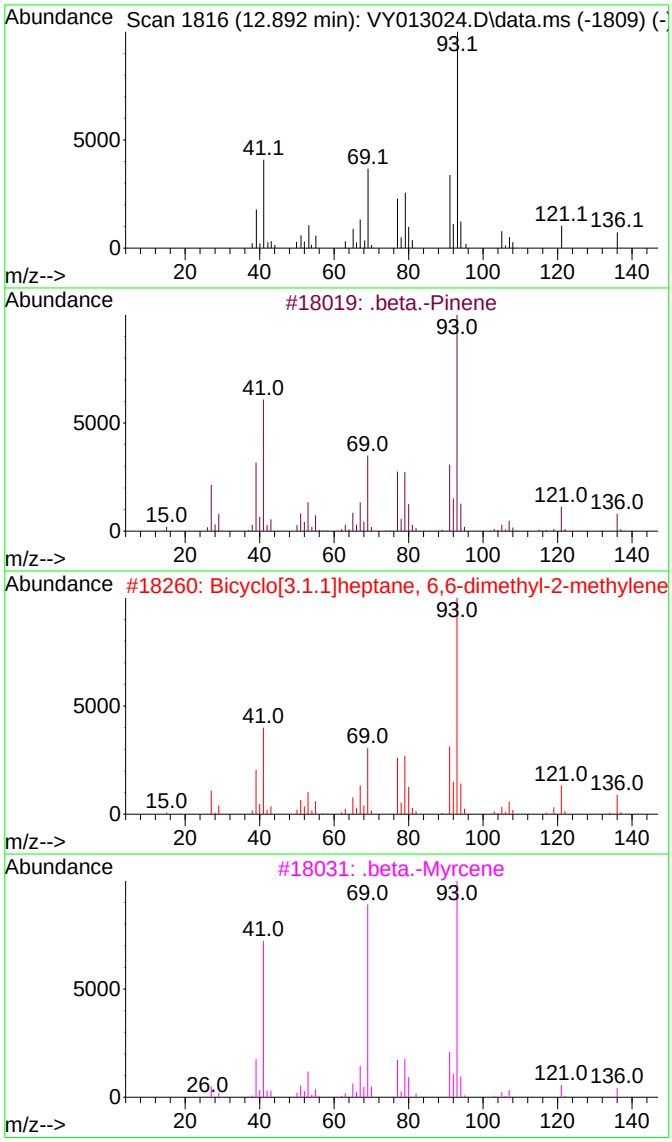
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

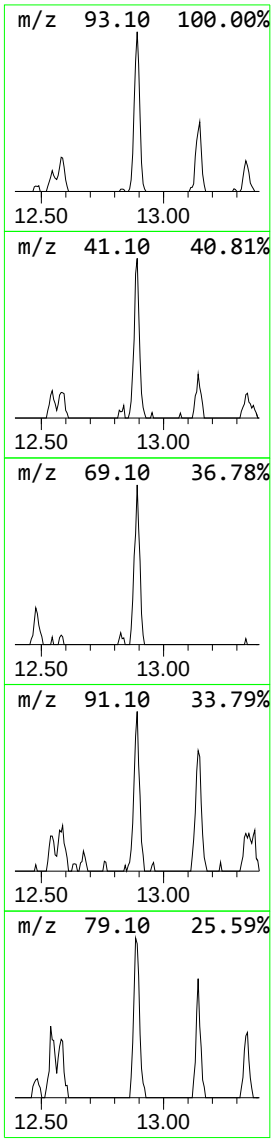
****

Peak Number 5 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.892	52.37 ug/l	30138	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	95
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	95
3	.beta.-Myrcene	136	C10H16	000123-35-3	91
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5	.alpha.-Pinene	136	C10H16	000080-56-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

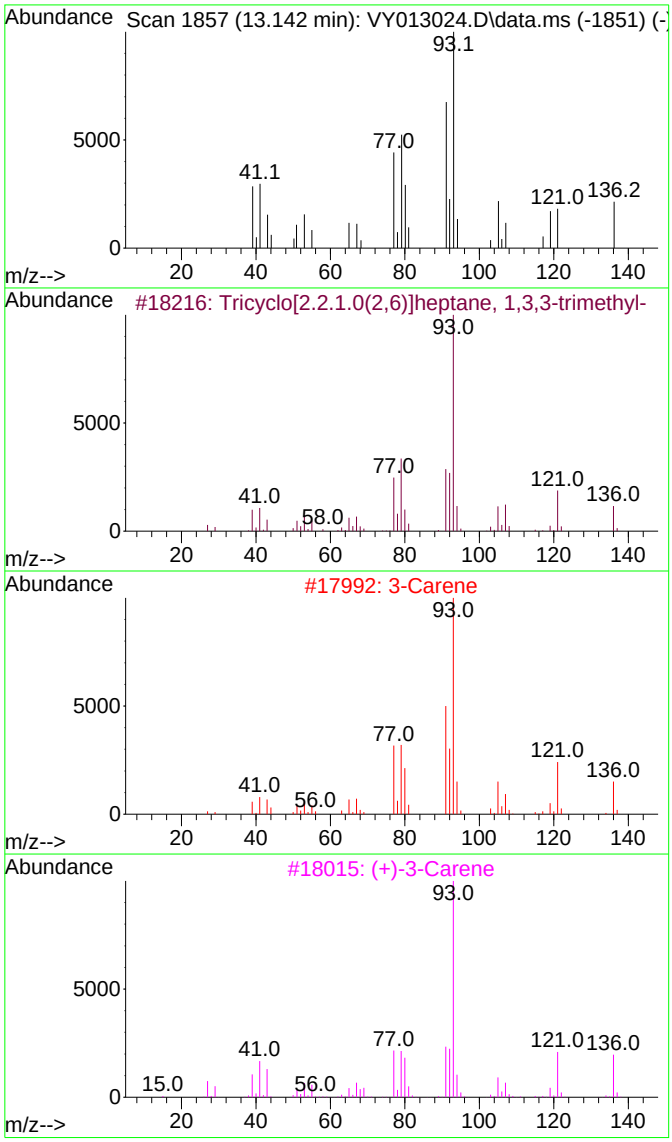
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

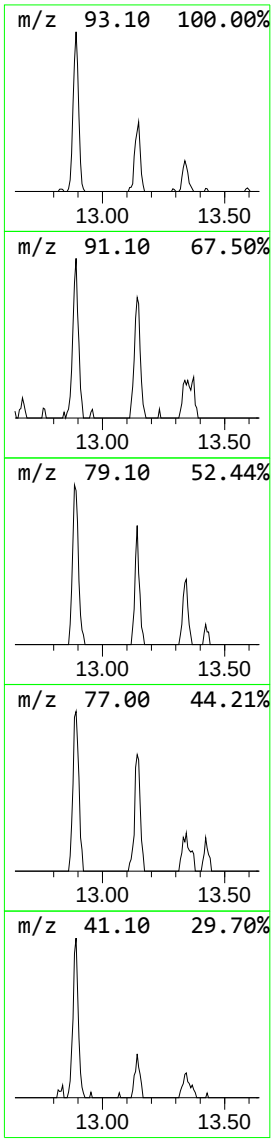
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.142	27.39 ug/l	15764	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	87
2	3-Carene	136	C10H16	013466-78-9	74
3	(+)-3-Carene	136	C10H16	000498-15-7	72
4	Cyclopropane, 1,1-dimethyl-2-(3-...	136	C10H16	068998-21-0	64
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

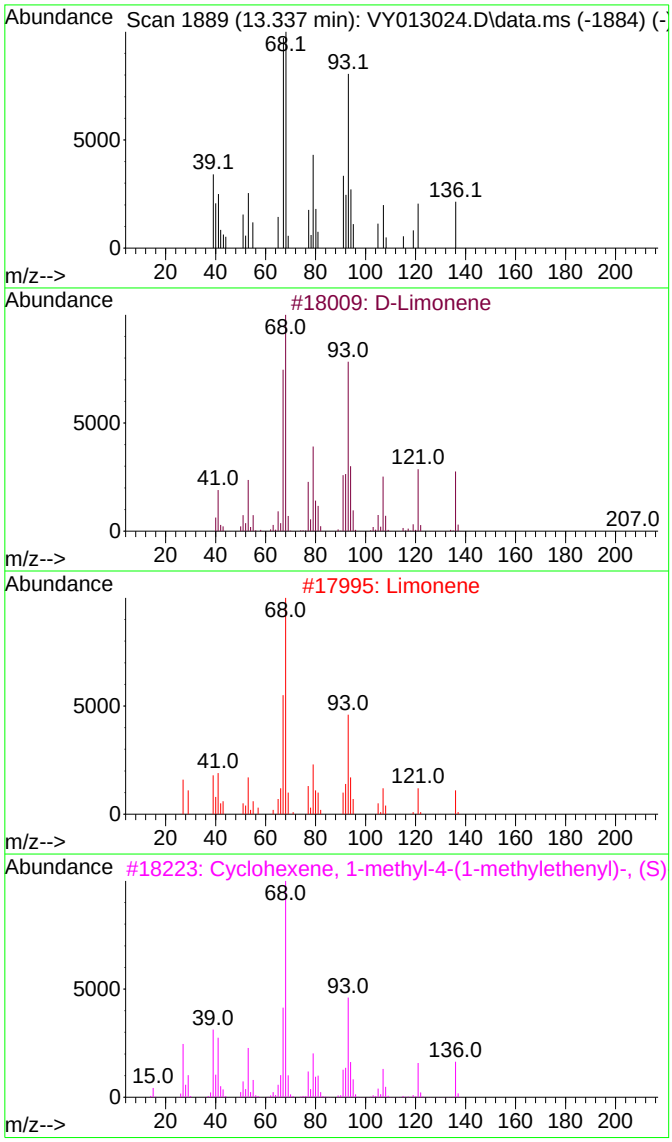
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

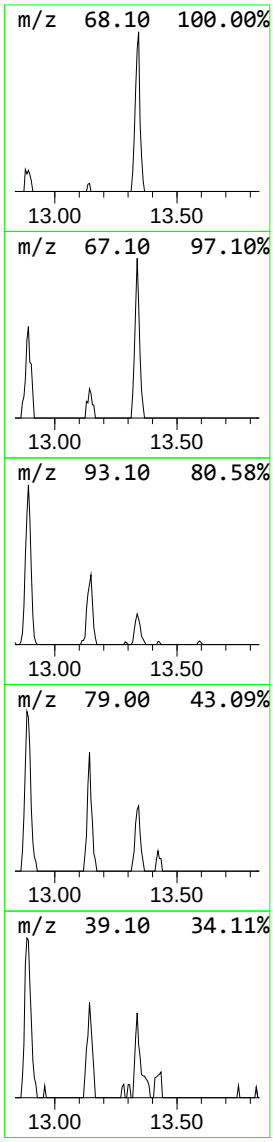
****

Peak Number 7 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.337	19.19 ug/l	11046	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	90
2	Limonene	136	C10H16	000138-86-3	89
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	80
4	(1R,3R,4R,5S)-1-Isopropyl-4-meth...	196	C12H20O2	062181-90-2	43
5	Cyclobutane, 1-cyclopropyl-2-eth...	122	C9H14	061233-73-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

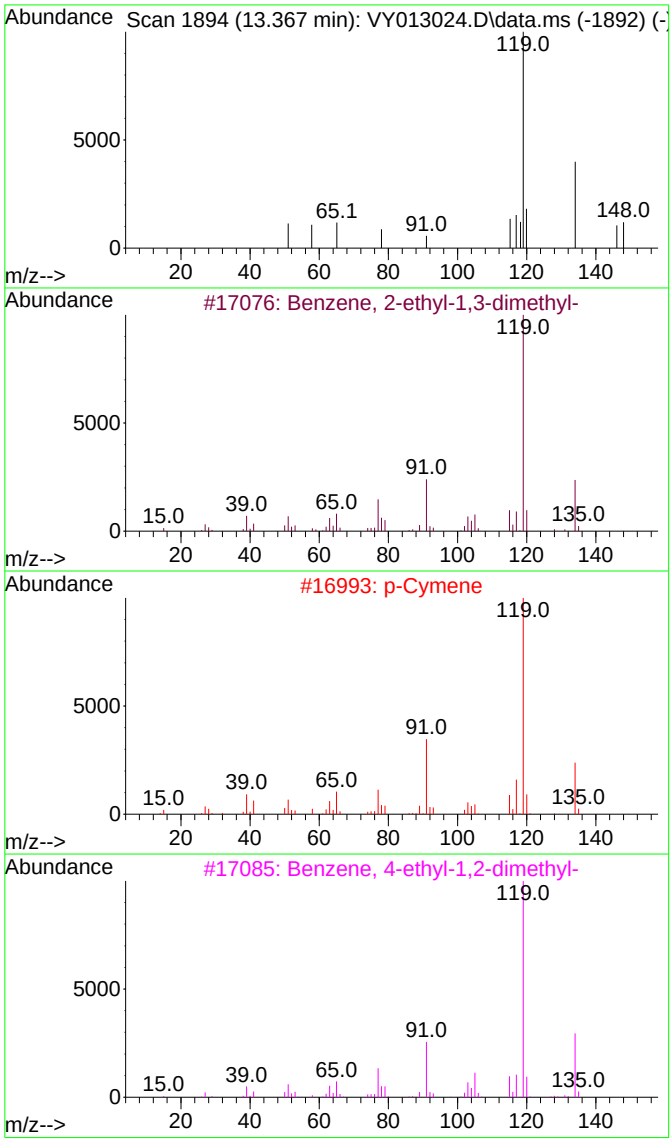
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

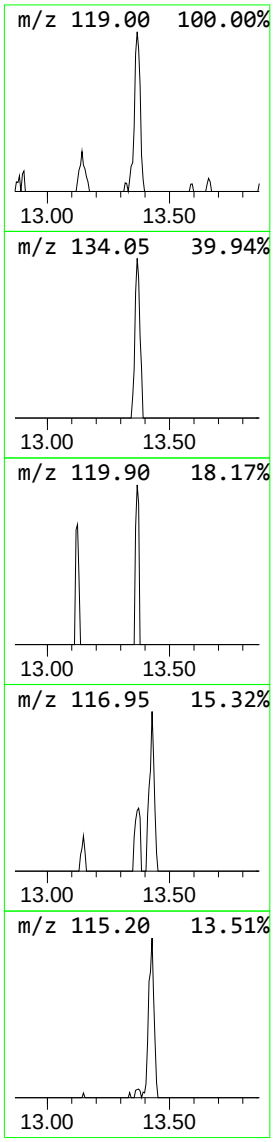
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.367	7.14 ug/l	4108	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
2	p-Cymene	134	C10H14	000099-87-6	72
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
Data File : VY013024.D
Acq On : 21 Mar 2023 14:01
Operator : KP/MD
Sample : 02020-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[2.2.1]h...	12.544	10.9	ug/l	6278	4	13.422	28775	50.0
Camphene	12.581	16.5	ug/l	9498	4	13.422	28775	50.0
.beta.-Pinene	12.892	52.4	ug/l	30138	4	13.422	28775	50.0
Tricyclo[2.2.1....	13.142	27.4	ug/l	15764	4	13.422	28775	50.0
D-Limonene	13.337	19.2	ug/l	11046	4	13.422	28775	50.0
Benzene, 2-ethy...	13.367	7.1	ug/l	4108	4	13.422	28775	50.0