LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
Data File : VY015449.D
Acq On : 06 Sep 2023 14:56
Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

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\82Y082923S.M
Title : SW846 8260

Signal : TIC: VY015449.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.972	832	845	860	rBV	51621	162113	1.50%	0.734%
2	7.710	953	966	972	rBV	146766	353011	3.27%	1.598%
3	7.783	972	978	988	rVB	259927	576830	5.34%	2.612%
4	8.136	1026	1036	1051	rBV	151747	348099	3.22%	1.576%
5	8.685	1117	1126	1138	rBV	391277	764255	7.08%	3.461%
6	10.173	1363	1370	1378	rBV	596718	1035275	9.58%	4.688%
7	11.483	1578	1585	1596	rBV	537195	876081	8.11%	3.967%
8	12.331	1714	1724	1732	rBV	923112	1478831	13.69%	6.696%
9	12.477	1742	1748	1754	rBV	440269	678907	6.29%	3.074%
10	12.575	1754	1764	1770	rVV4	128717	290900	2.69%	1.317%
11	12.837	1793	1807	1810	rBV	157335	358442	3.32%	1.623%
12	12.886	1810	1815	1824	rVB	763436	1304505	12.08%	5.907%
13	13.142	1848	1857	1864	rBV	782408	1234012	11.42%	5.588%
14	13.264	1864	1877	1880	rVV3	66575	193436	1.79%	0.876%
15	13.312	1880	1885	1887	rVV	155046	276608	2.56%	1.253%
16	13.367	1887	1894	1899	rVV	7436311	10801092	100.00%	48.909%
17	13.422	1899	1903	1912	rVB	549593	839434	7.77%	3.801%
18	14.660	2101	2106	2113	rBV2	179586	294735	2.73%	1.335%
19	15.001	2158	2162	2174	rVB	132040	217682	2.02%	0.986%

Sum of corrected areas: 22084248

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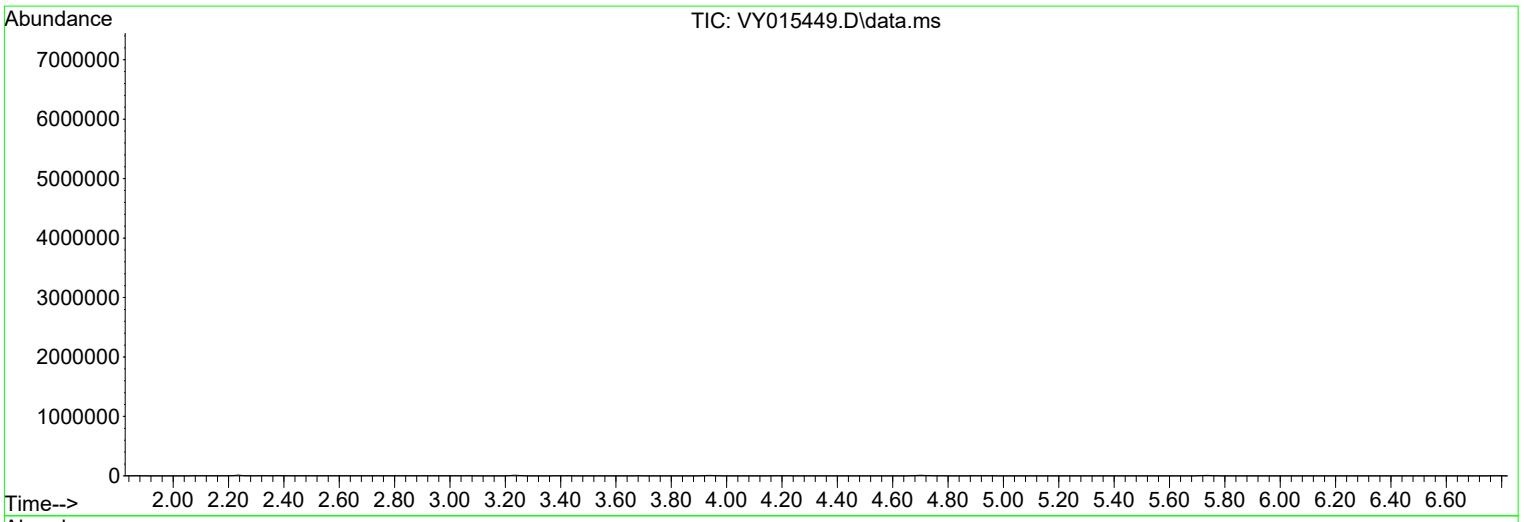
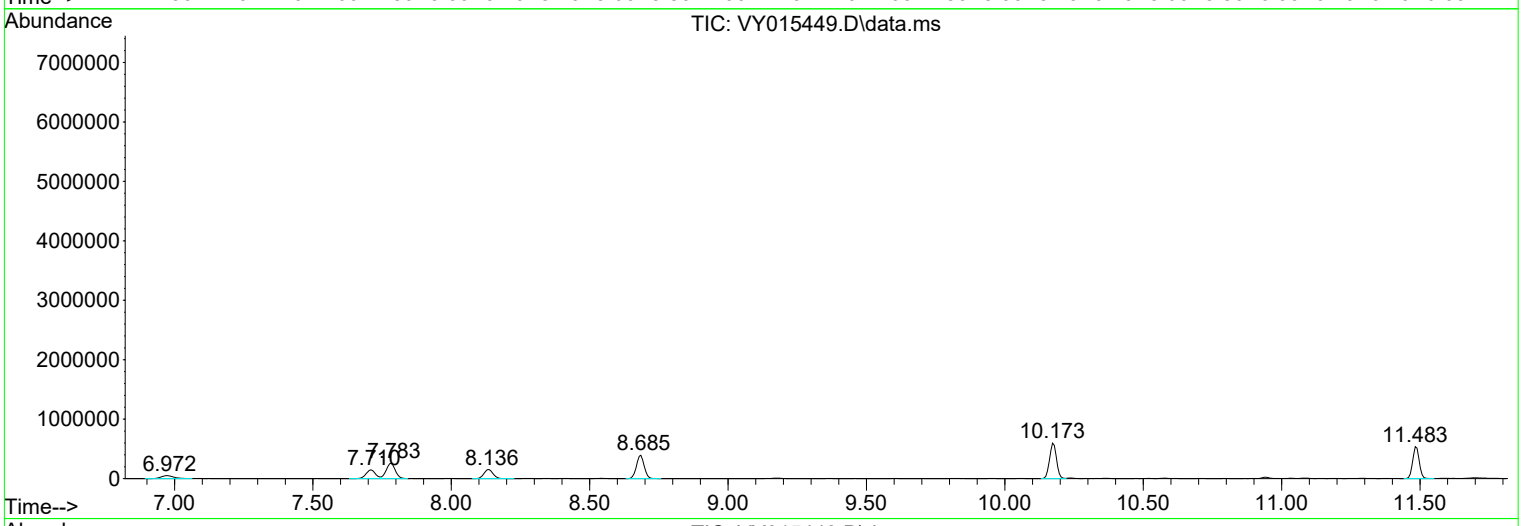
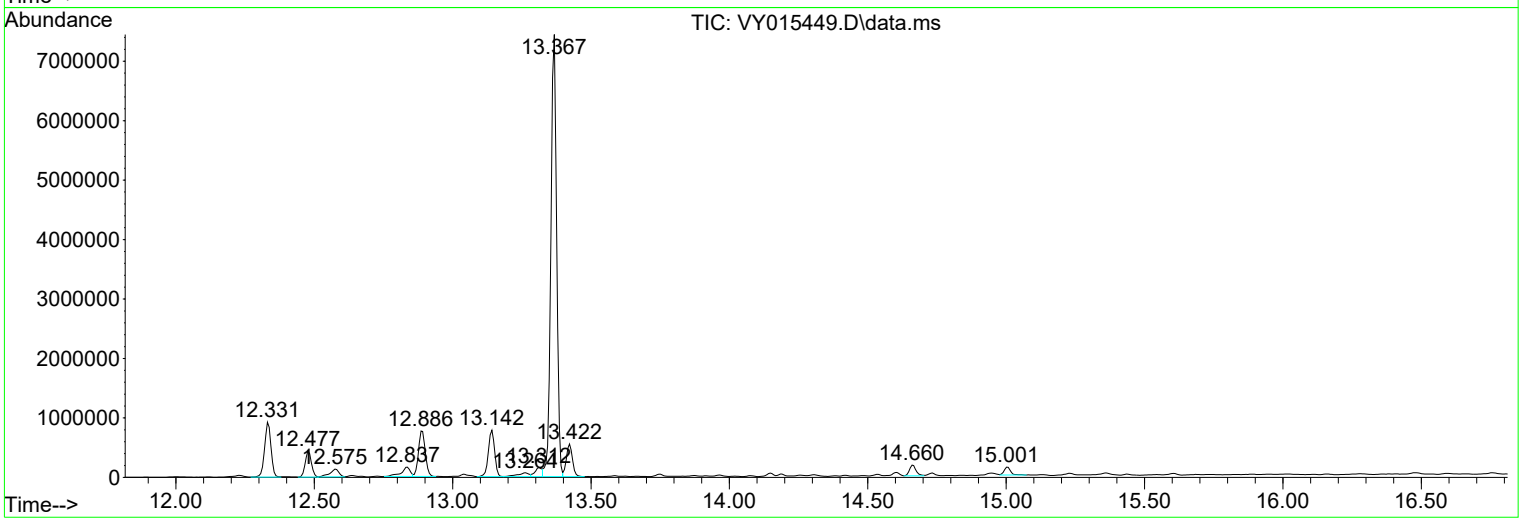
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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







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ClientSampleId :
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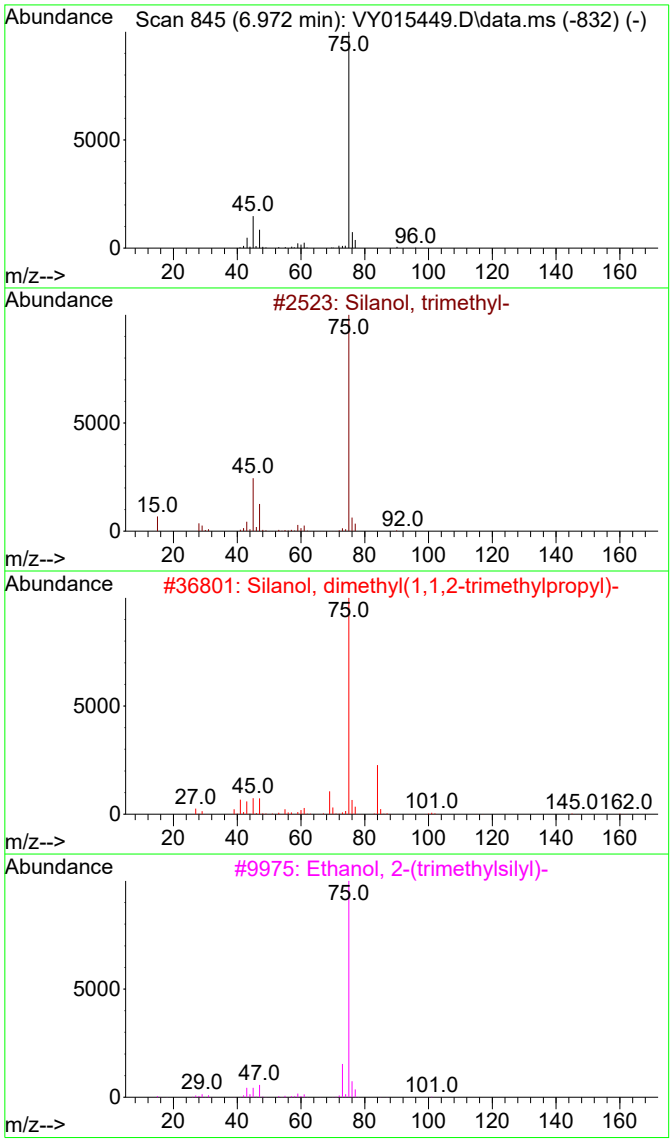
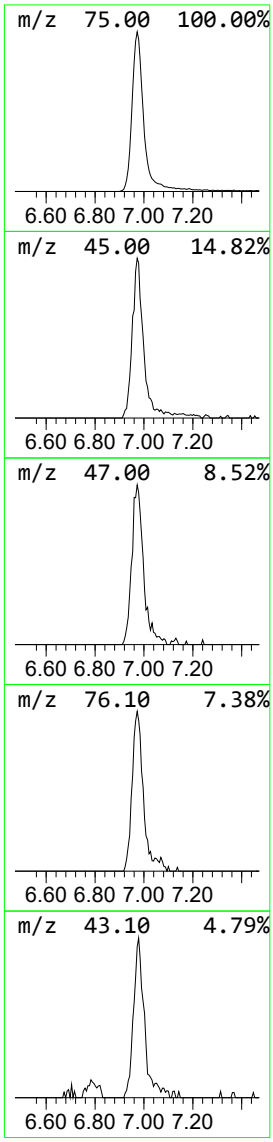
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Silanol, trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.972	14.05 ug/l	162113	Pentafluorobenzene	7.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	87
2	Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	78
3	Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	72
4	Formamide, N-methylthio	75	C2H5NS	018952-41-5	56
5	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	39





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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

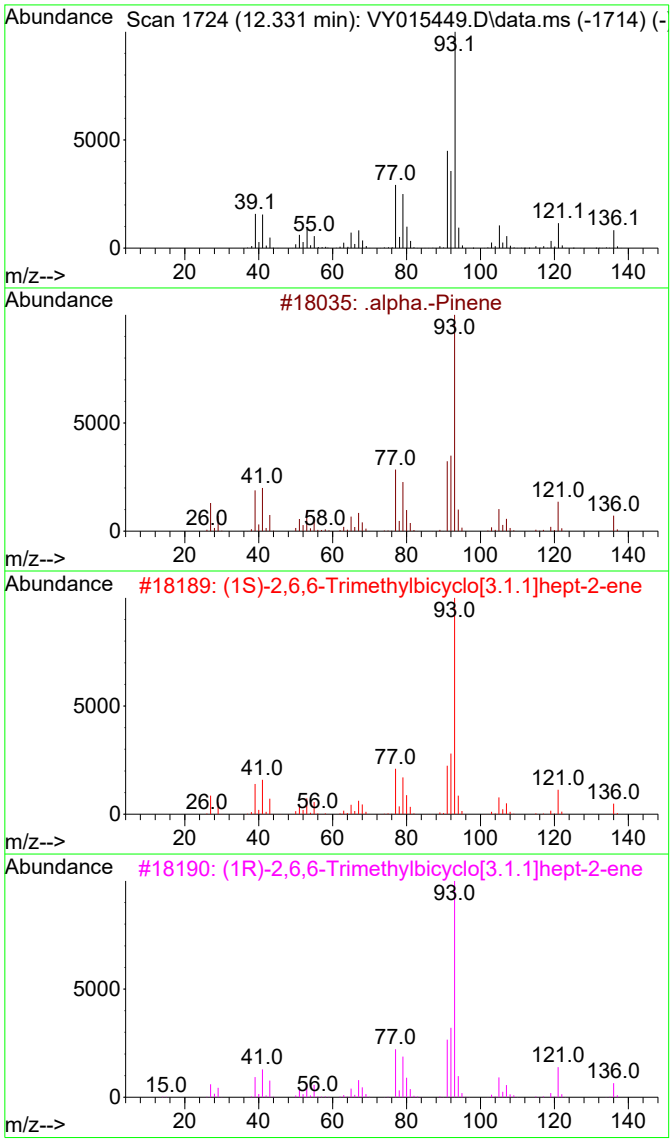
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

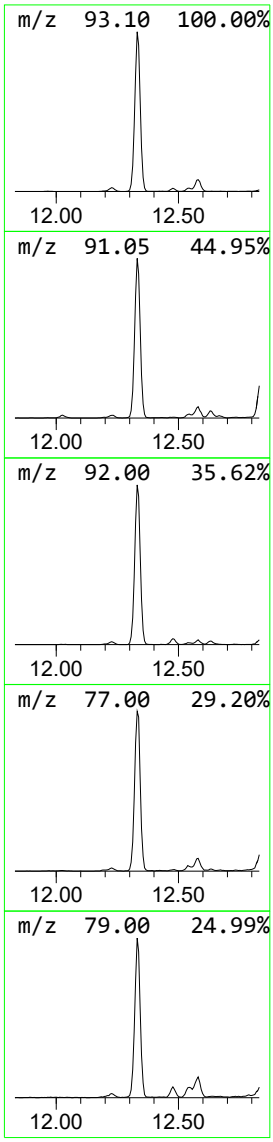
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.331	84.40 ug/l	1478830	Chlorobenzene-d5	11.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	97
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
4	(+)-3-Carene	136	C10H16	000498-15-7	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





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Acq On : 06 Sep 2023 14:56
Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

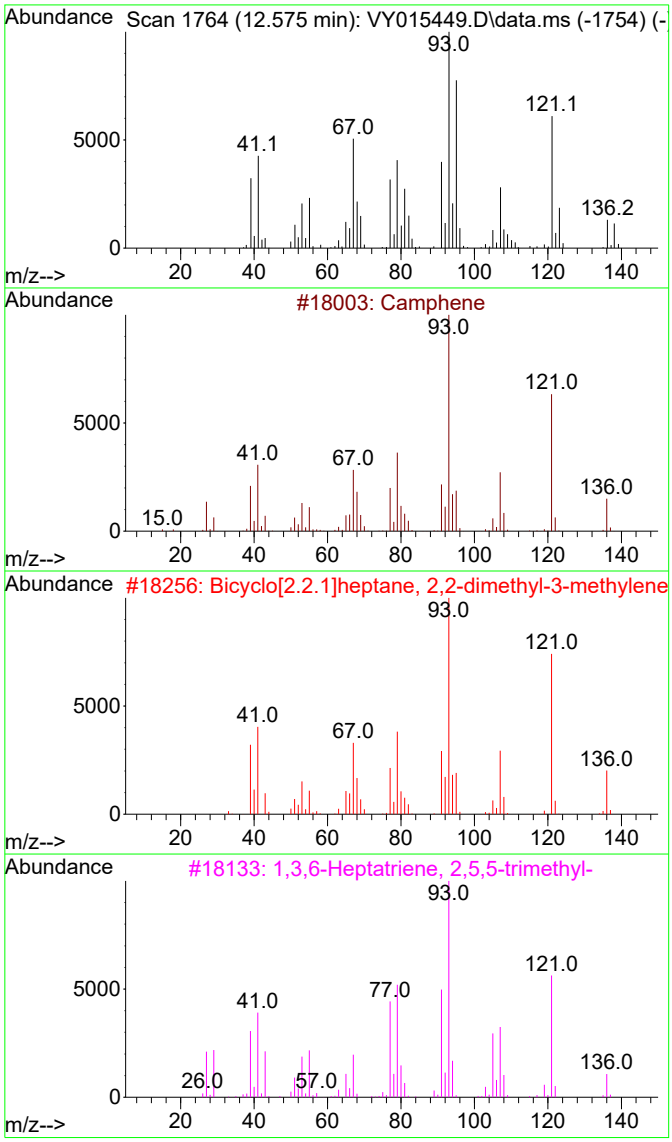
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

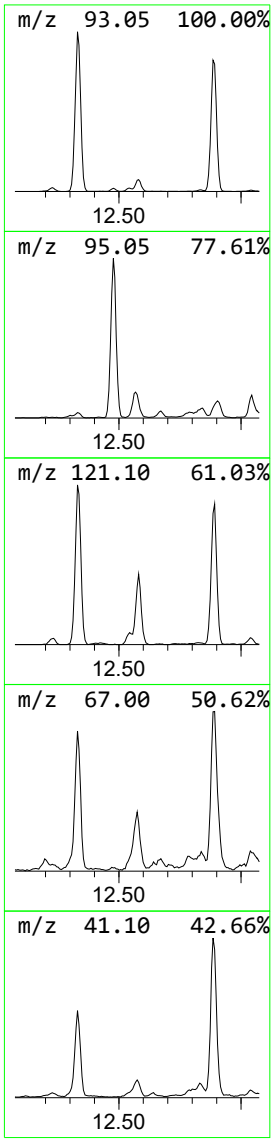
****

Peak Number 3 Camphene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	17.33 ug/l	290900	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	93
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	70
3	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	55
4	3-Cyclopentylcyclopentene	136	C10H16	002690-17-7	55
5	Bicyclopentylidene	136	C10H16	016189-35-8	49





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Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

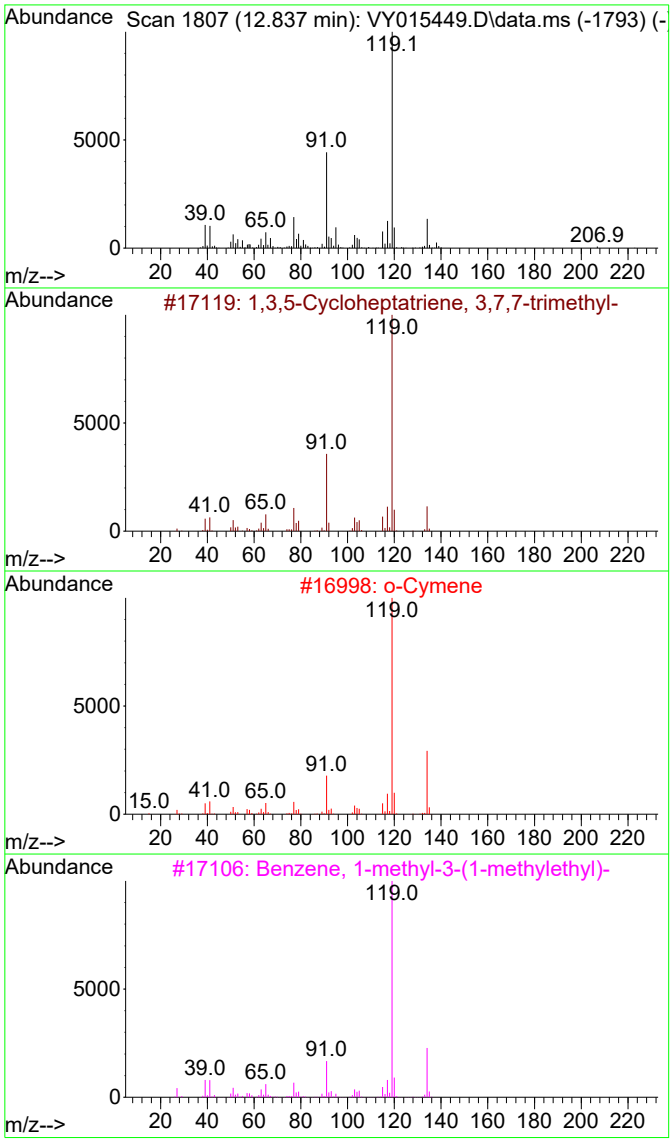
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

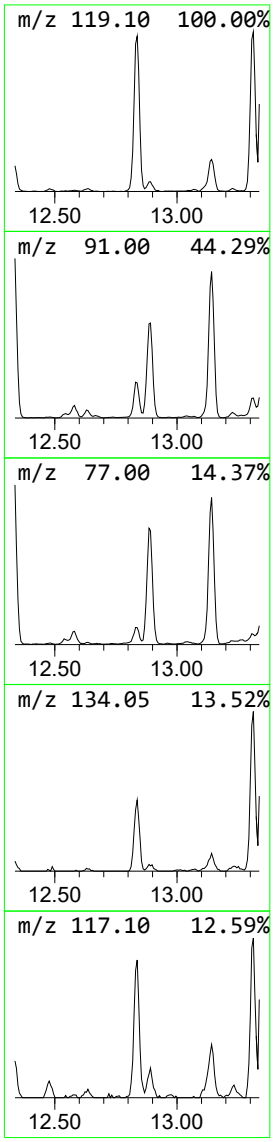
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,3,5-Cycloheptatriene, 3,7... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.837	21.35 ug/l	358442	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	94
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Acq On : 06 Sep 2023 14:56
Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

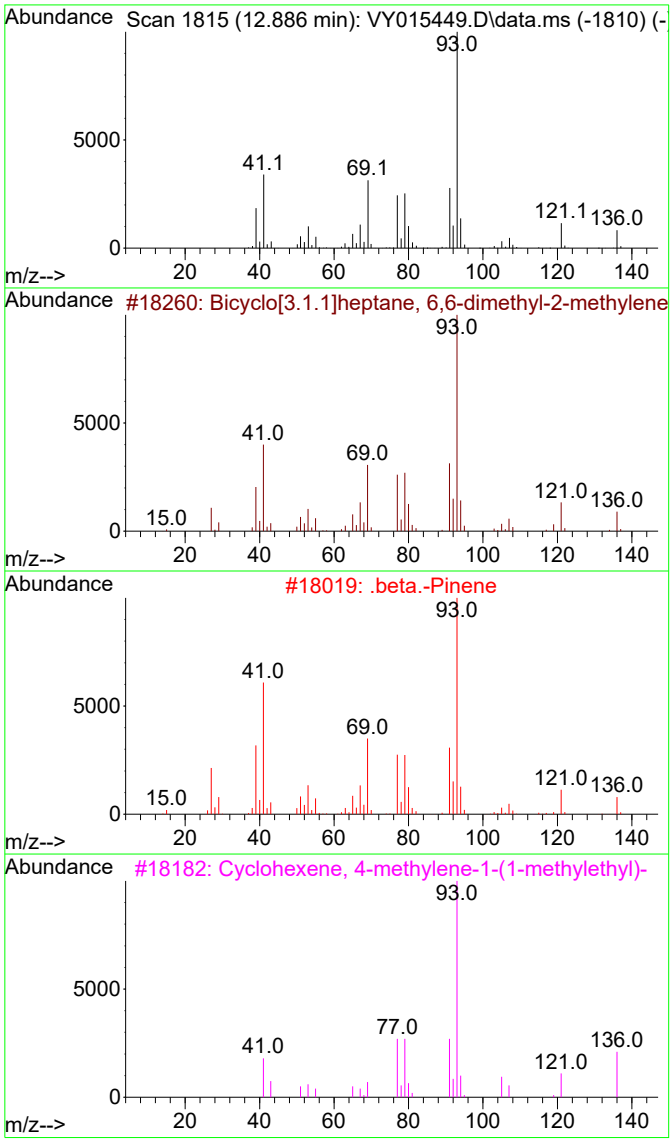
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

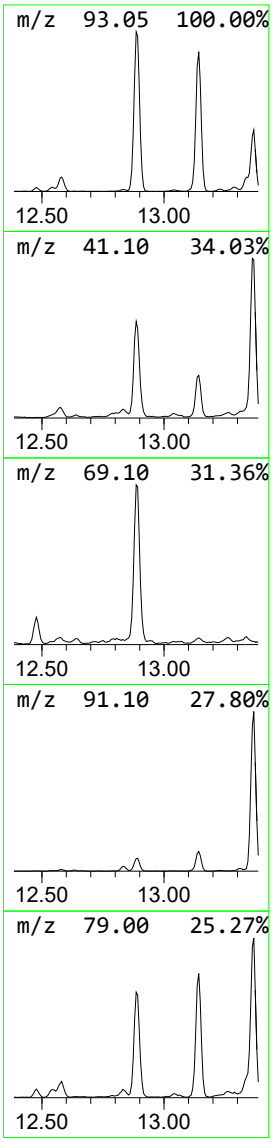
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.886	77.70 ug/l	1304510	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
2	.beta.-Pinene	136	C10H16	000127-91-3	96
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4	.beta.-Myrcene	136	C10H16	000123-35-3	91
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	87





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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
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TIC Library : C:\Database\NIST20.L
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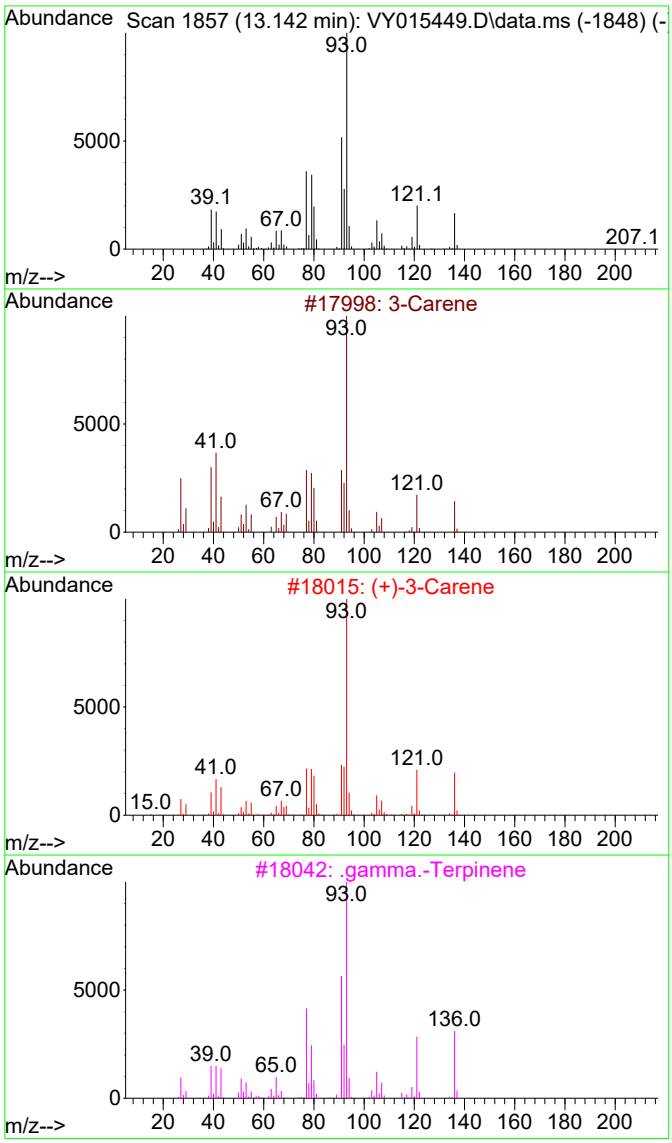
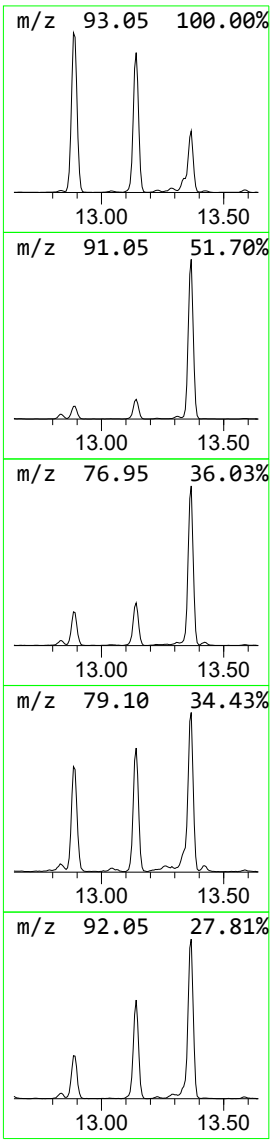
****

Peak Number 6 3-Carene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.142	73.50 ug/l	1234010	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	95
2	(+)-3-Carene	136	C10H16	000498-15-7	94
3	.gamma.-Terpinene	136	C10H16	000099-85-4	94
4	.alpha.-Phellandrene	136	C10H16	000099-83-2	93
5	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	91





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MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

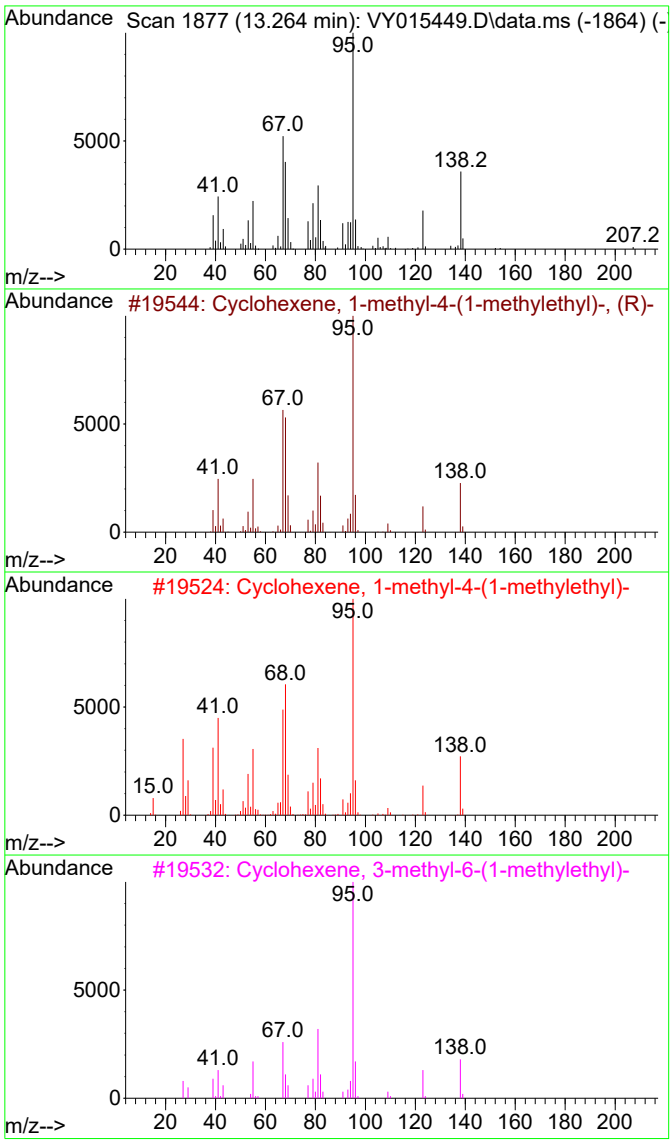
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

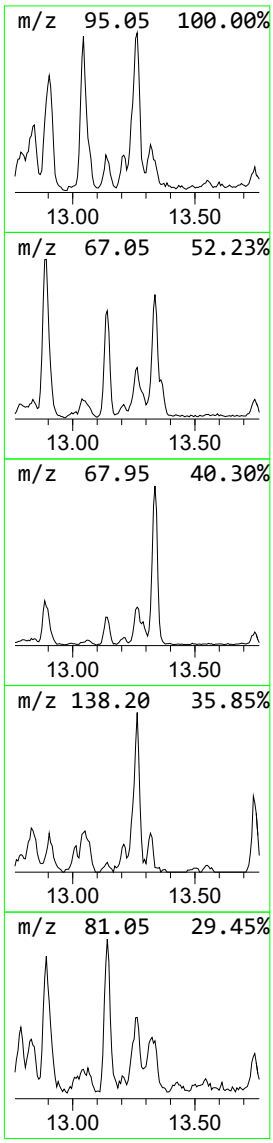
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.264	11.52 ug/l	193436	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	95
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	81
4	m-Menth-6-ene, (R)-(+)-	138	C10H18	013837-70-2	72
5	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	64





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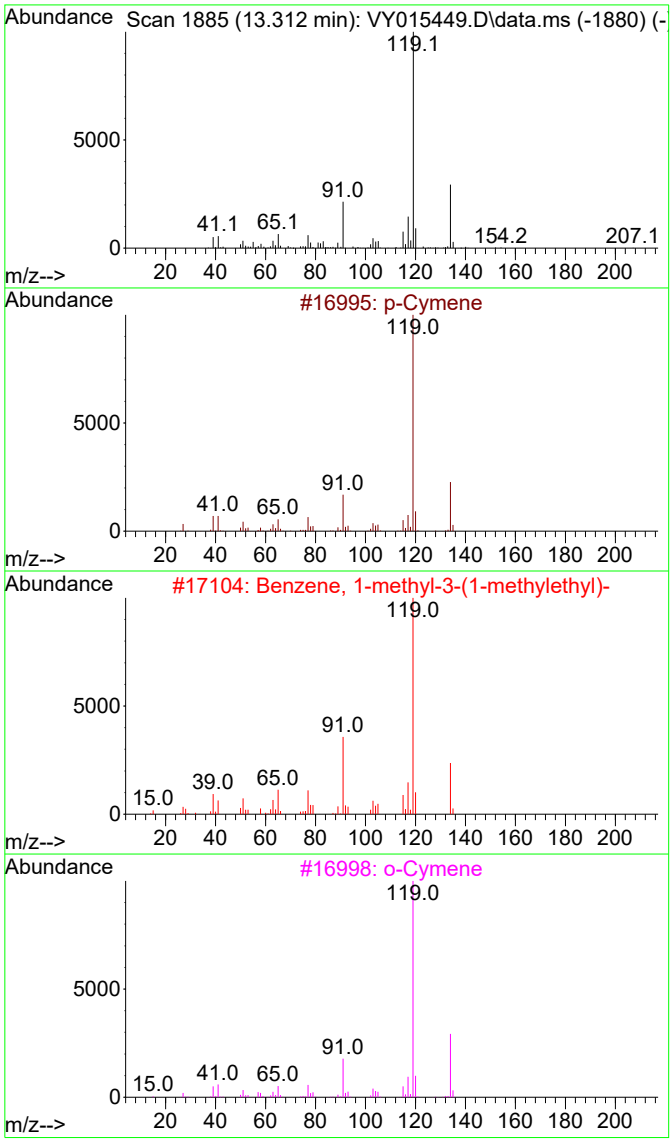
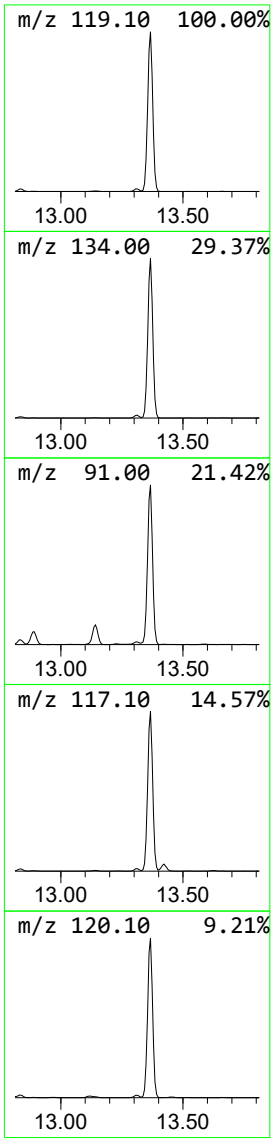
****

Peak Number 8 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	16.48 ug/l	276608	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





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Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

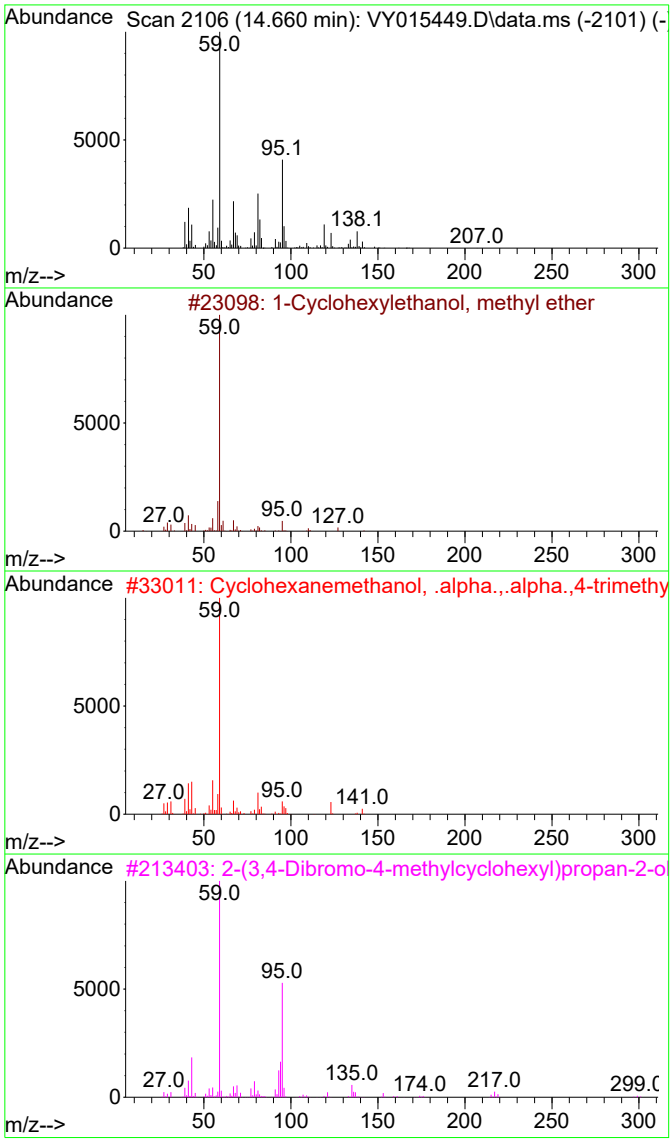
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

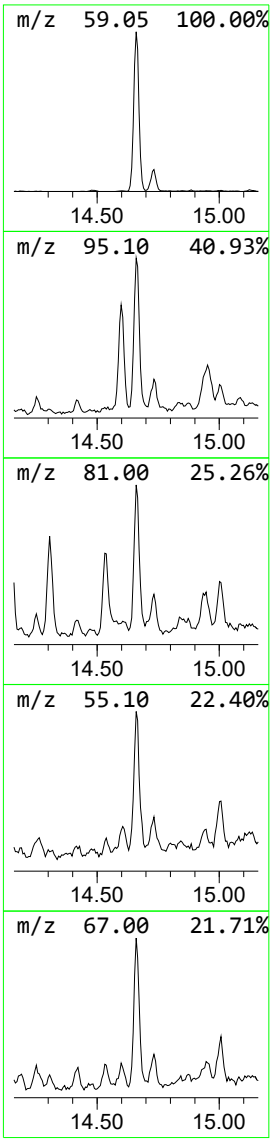
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1-Cyclohexylethanol, methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.660	17.56 ug/l	294735	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexylethanol, methyl ether	142	C9H18O	1000365-12-8	64
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	43
3	2-(3,4-Dibromo-4-methylcyclohexy...	312	C10H18Br2O	110202-13-6	42
4	2-Hexanol, methyl ether	116	C7H16O	1000333-92-0	35
5	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
Data File : VY015449.D
Acq On : 06 Sep 2023 14:56
Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

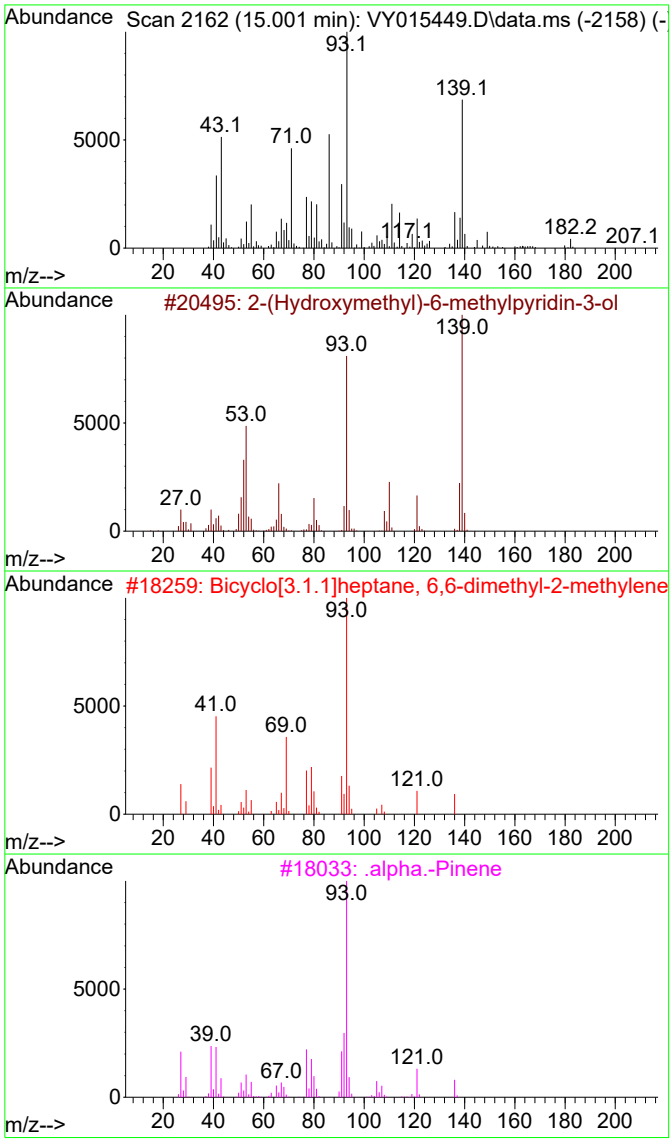
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

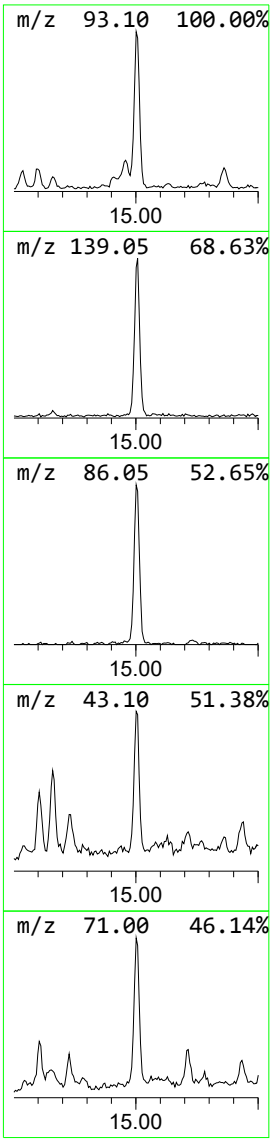
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown15.001 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.001	12.97 ug/l	217682	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Hydroxymethyl)-6-methylpyridi...	139	C7H9NO2	042097-42-7	43
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	38
3	.alpha.-Pinene	136	C10H16	000080-56-8	30
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	30
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
Data File : VY015449.D
Acq On : 06 Sep 2023 14:56
Operator : SY/MD
Sample : 04299-03
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.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
Silanol, trimet...	6.972	14.1	ug/l	162113	1	7.783	576830	50.0
.alpha.-Pinene	12.331	84.4	ug/l	1478830	3	11.483	876081	50.0
Camphene	12.575	17.3	ug/l	290900	4	13.422	839434	50.0
1,3,5-Cyclohept...	12.837	21.4	ug/l	358442	4	13.422	839434	50.0
Bicyclo[3.1.1]h...	12.886	77.7	ug/l	1304510	4	13.422	839434	50.0
3-Carene	13.142	73.5	ug/l	1234010	4	13.422	839434	50.0
Cyclohexene, 1-...	13.264	11.5	ug/l	193436	4	13.422	839434	50.0
p-Cymene	13.312	16.5	ug/l	276608	4	13.422	839434	50.0
1-Cyclohexyleth...	14.660	17.6	ug/l	294735	4	13.422	839434	50.0
unknown15.001	15.001	13.0	ug/l	217682	4	13.422	839434	50.0