

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023842.D
 Acq On : 01 Dec 2025 14:46
 Operator : SY/MD
 Sample : Q3741-06
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP4-112525

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\82Y112625S.M

Title : SW846 8260

Signal : TIC: VY023842.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.707	976	982	996	rVB2	35695	84079	4.66%	2.302%
2	8.061	1032	1040	1048	rBV2	14876	31413	1.74%	0.860%
3	8.616	1122	1131	1139	rBV	43284	89184	4.94%	2.442%
4	10.109	1369	1376	1387	rBV2	59870	108444	6.01%	2.969%
5	11.420	1582	1591	1603	rVB	46582	84048	4.66%	2.301%
6	11.908	1663	1671	1679	rBV9	9859	23997	1.33%	0.657%
7	12.152	1705	1711	1718	rVB2	19885	36564	2.03%	1.001%
8	12.261	1721	1729	1740	rBV	1167637	1805523	100.00%	49.435%
9	12.408	1749	1753	1759	rVV2	38322	65419	3.62%	1.791%
10	12.469	1759	1763	1764	rVV2	33391	41595	2.30%	1.139%
11	12.505	1764	1769	1775	rVB	237399	385160	21.33%	10.546%
12	12.615	1782	1787	1797	rVB10	11539	33211	1.84%	0.909%
13	12.810	1812	1819	1827	rVB	134122	228522	12.66%	6.257%
14	13.036	1851	1856	1861	rBV4	14485	25365	1.40%	0.694%
15	13.151	1870	1875	1883	rBV	69395	107537	5.96%	2.944%
16	13.261	1885	1893	1897	rBV	170400	288025	15.95%	7.886%
17	13.347	1902	1907	1915	rVB2	29609	49320	2.73%	1.350%
18	13.511	1929	1934	1944	rVB	39717	60590	3.36%	1.659%
19	13.792	1975	1980	1985	rBV2	54803	84813	4.70%	2.322%
20	13.840	1985	1988	1992	rVB4	14243	19482	1.08%	0.533%

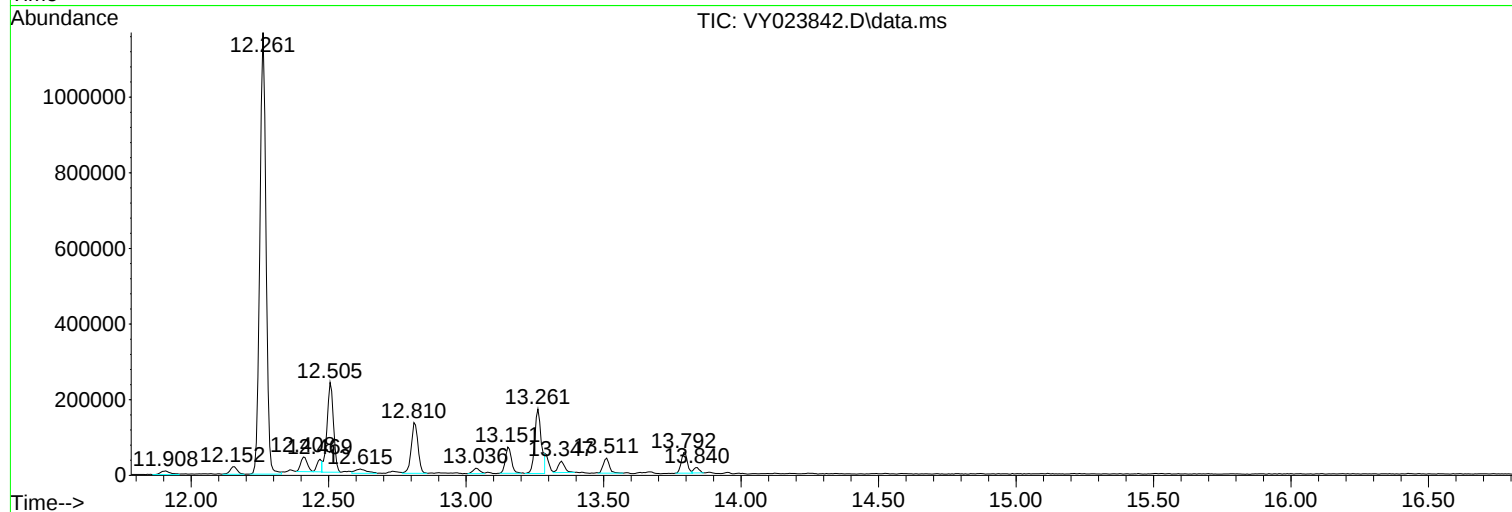
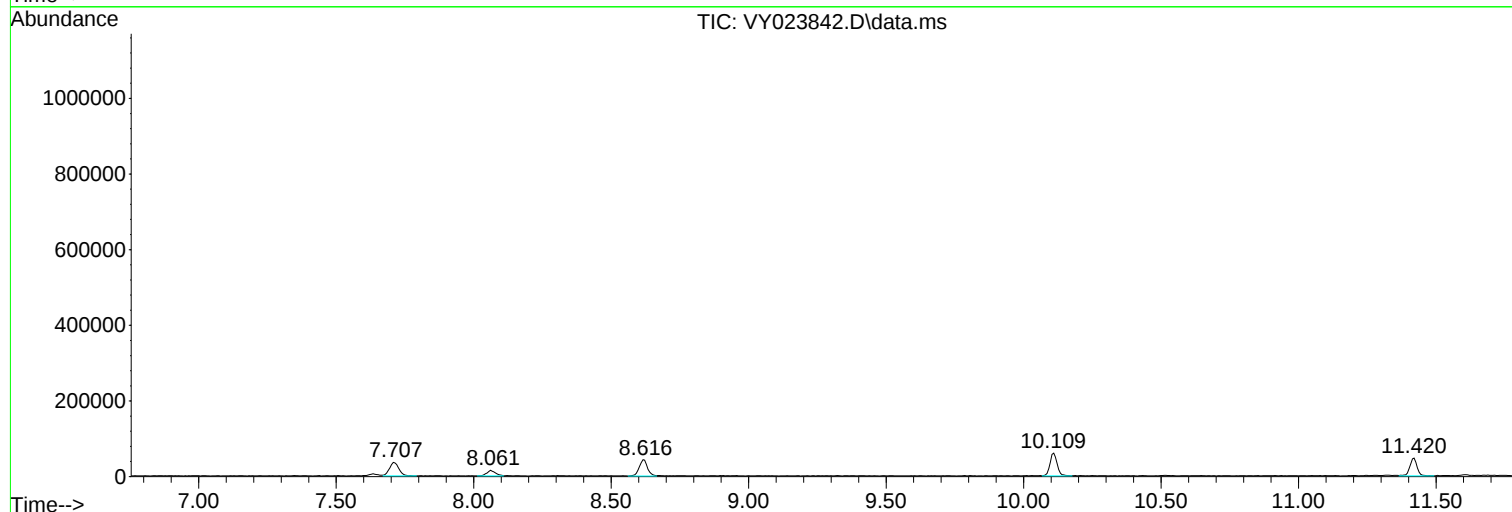
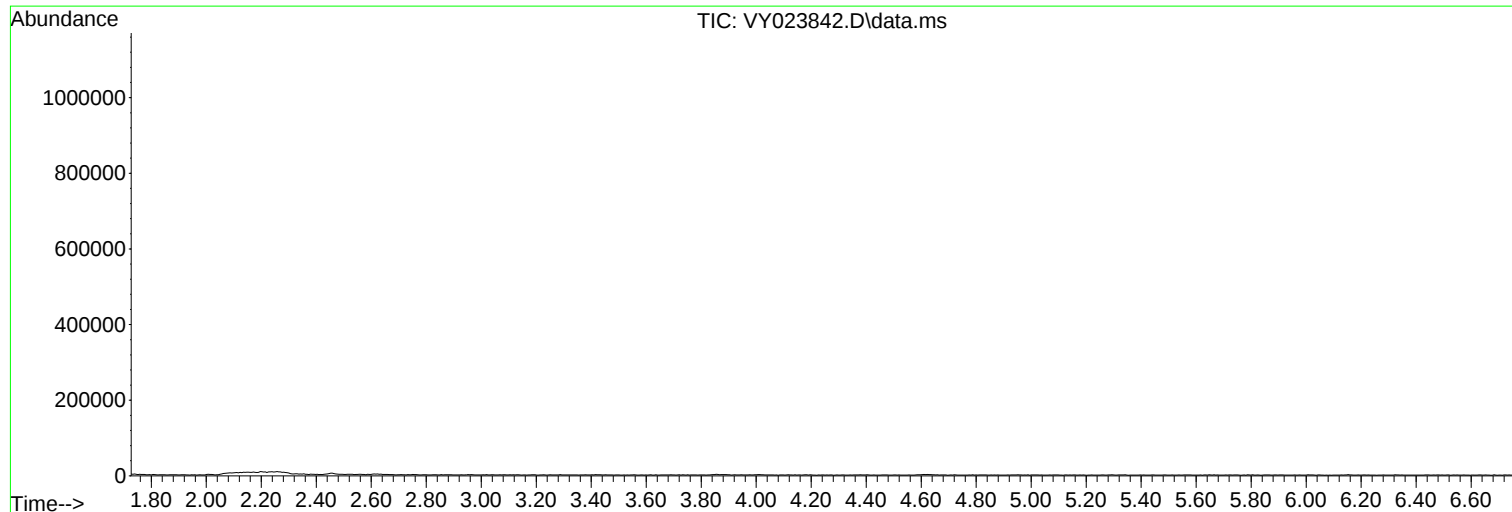
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B50-SP4-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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



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B50-SP4-112525

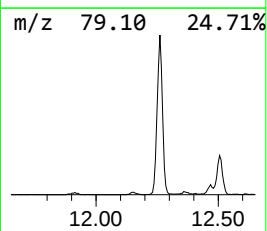
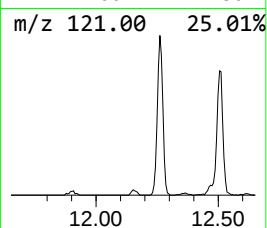
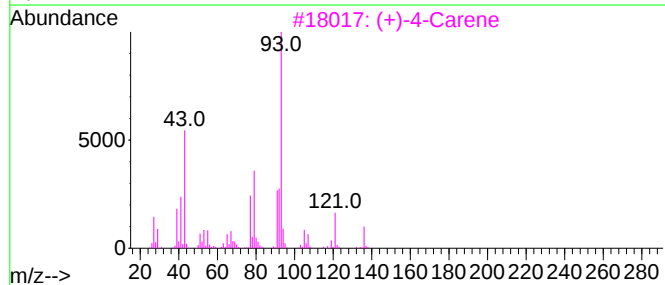
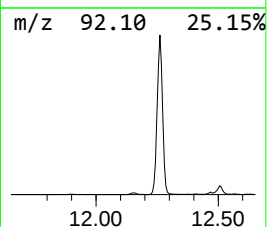
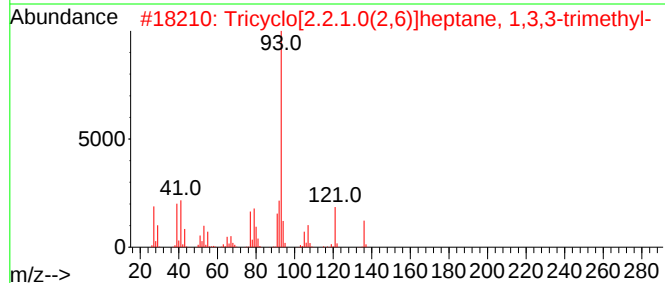
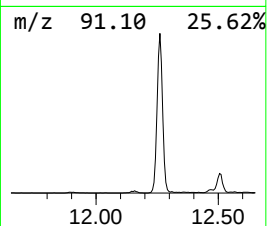
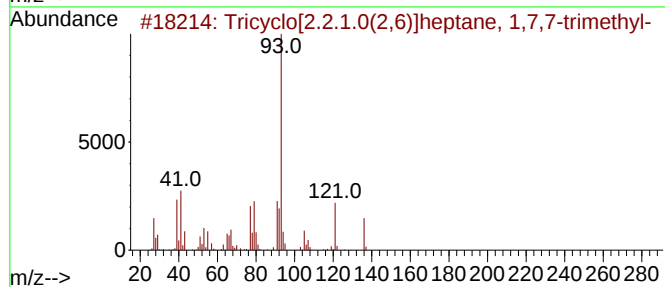
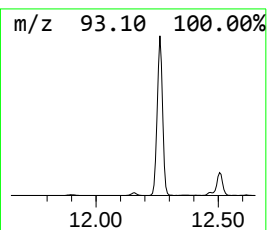
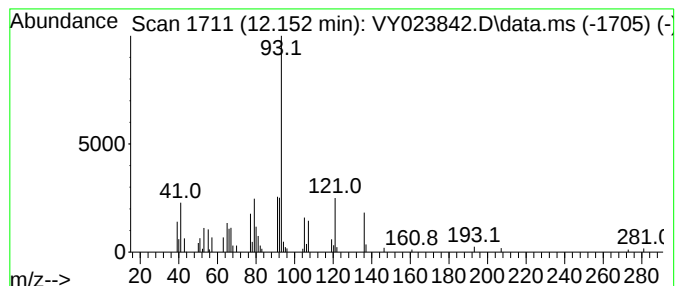
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 1 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.152	21.75 ug/l	36564	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
2			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	90
3			(+)-4-Carene	136	C10H16	029050-33-7	87
4			3-Carene	136	C10H16	013466-78-9	83
5			(+)-3-Carene	136	C10H16	000498-15-7	81



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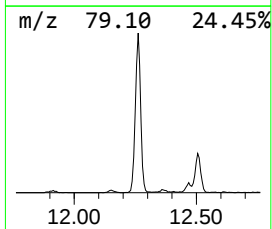
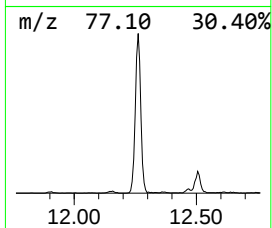
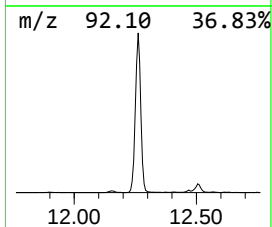
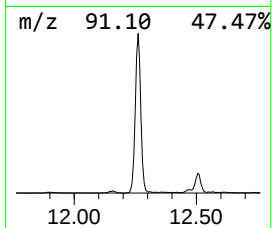
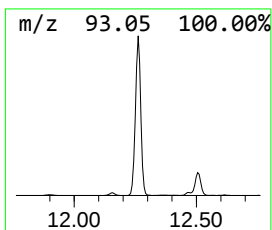
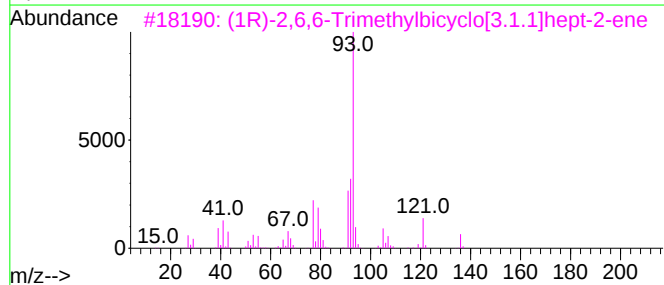
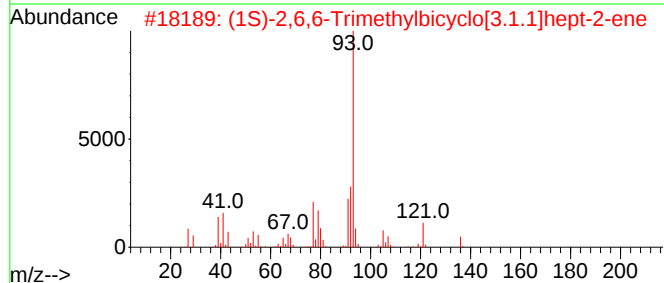
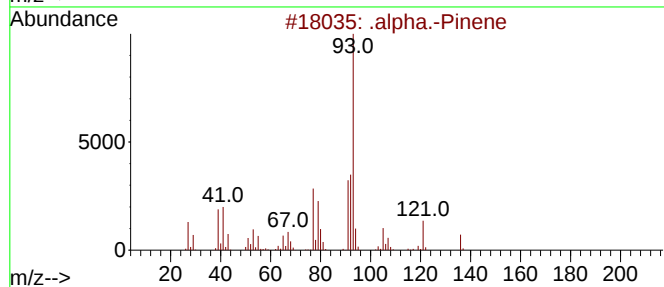
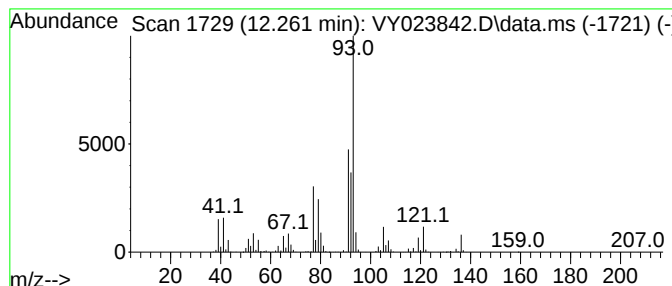
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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.
12.261	1074.10 ug/l	1805520	Chlorobenzene-d5	11.420

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	95
3		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5		.gamma.-Terpinene	136	C10H16	000099-85-4	90



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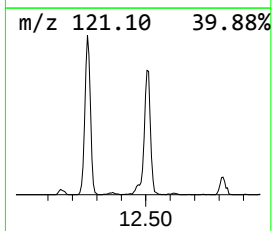
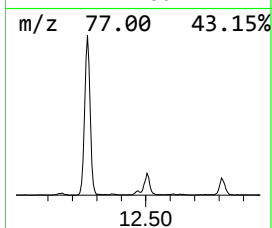
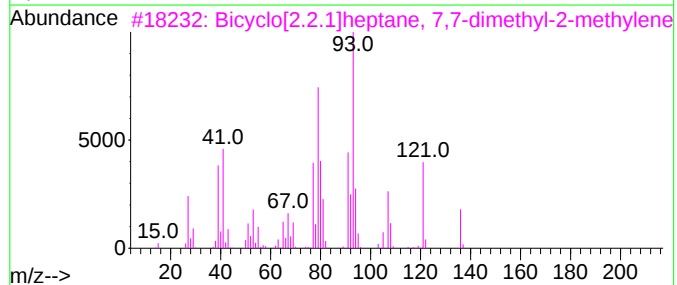
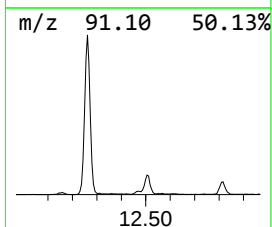
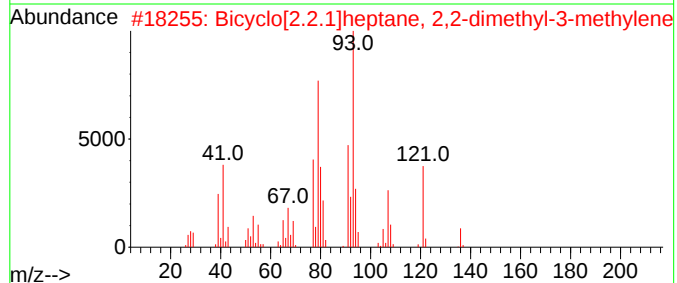
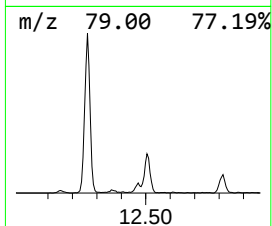
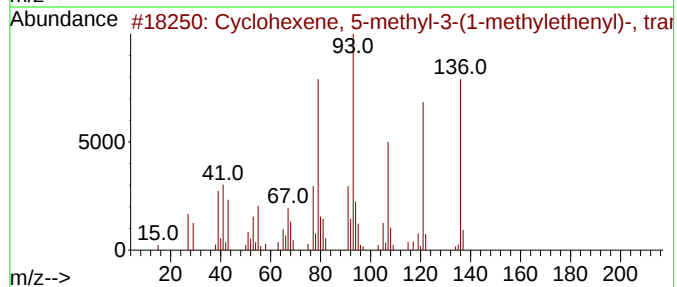
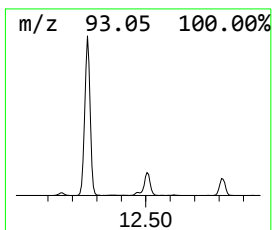
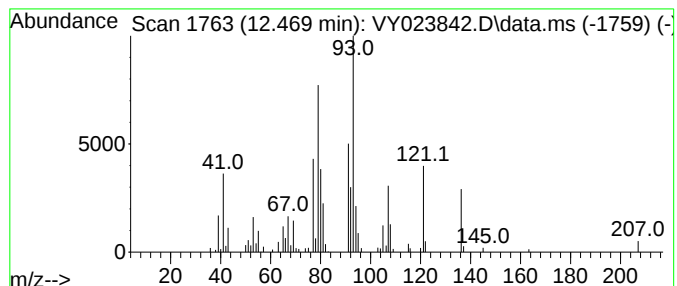
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Quant Title : SW846 8260

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

Peak Number 3 Cyclohexene, 5-methyl-3-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	42.17 ug/l	41595	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	93
2			Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	86
3			Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	86
4			m-Mentha-4,8-diene, (1S,3S)-(+)-	136	C10H16	005208-51-5	64
5			3-Methylenecycloheptene	108	C8H12	034564-56-2	64



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ClientSampleId :
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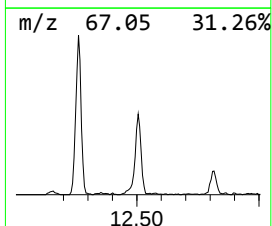
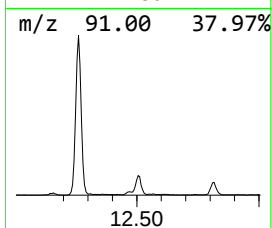
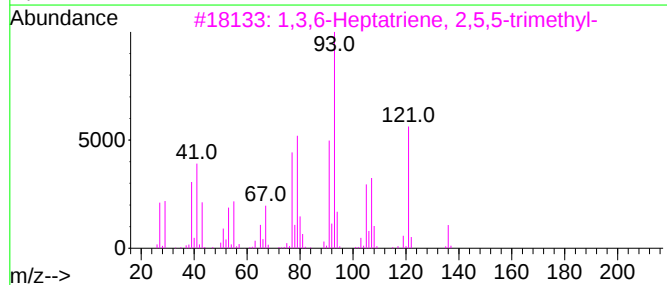
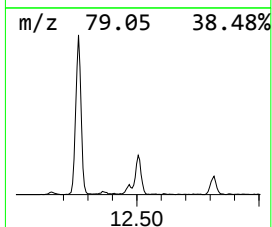
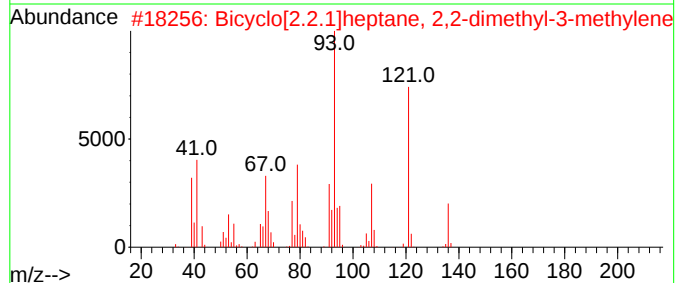
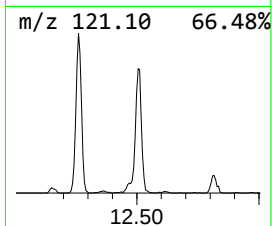
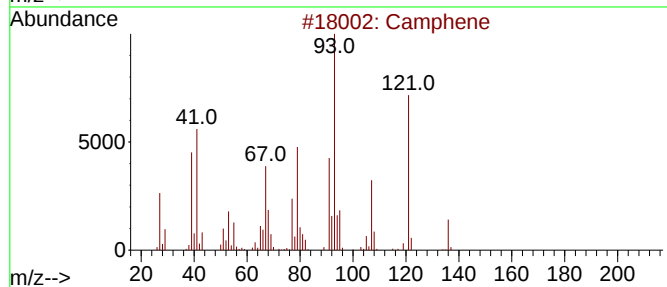
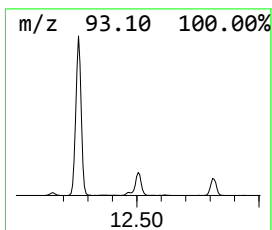
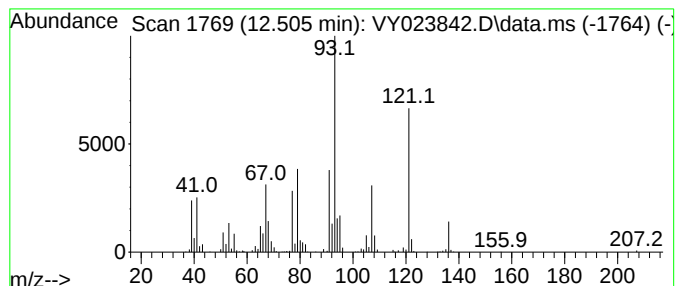
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Quant Title : SW846 8260

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

Peak Number 4 Camphene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.505	390.47 ug/l	385160	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Camphene	136	C10H16	000079-92-5	94
2			Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	90
3			1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	87
4			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	74
5			(+)-4-Carene	136	C10H16	029050-33-7	72



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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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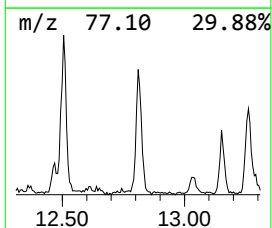
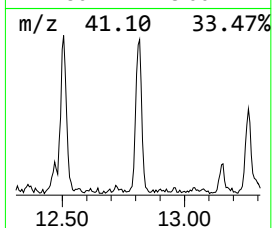
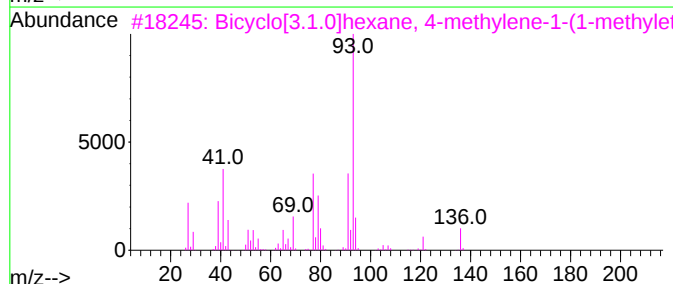
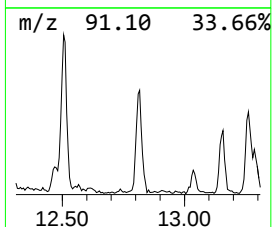
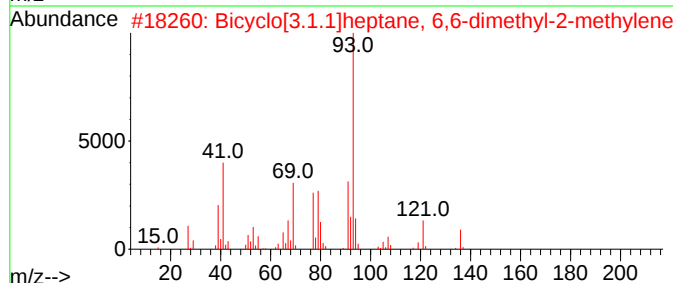
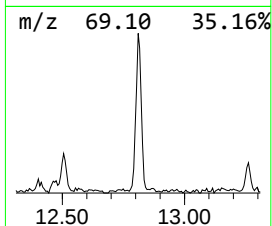
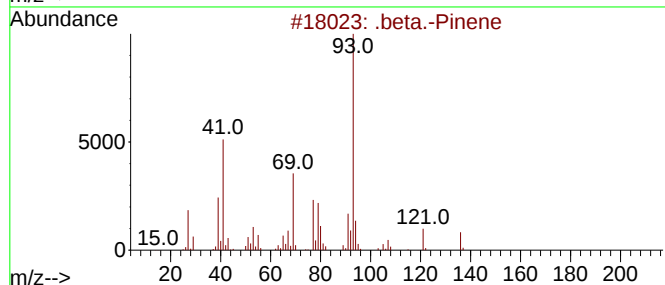
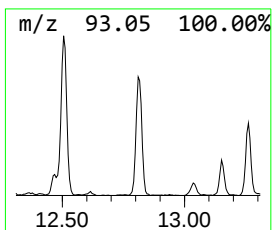
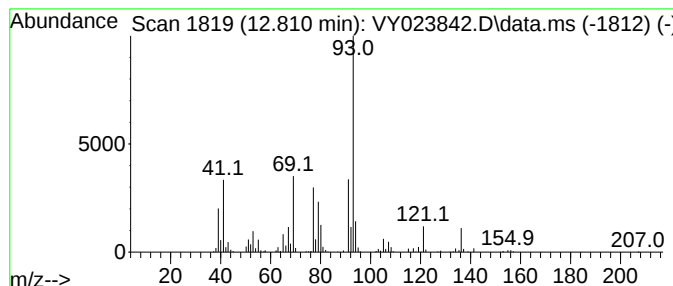
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 6 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.810	231.67 ug/l	228522	1,4-Dichlorobenzene-d4	13.347

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	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91		
4	.gamma.-Terpinene	136	C10H16	000099-85-4	90		
5	.beta.-Phellandrene	136	C10H16	000555-10-2	90		



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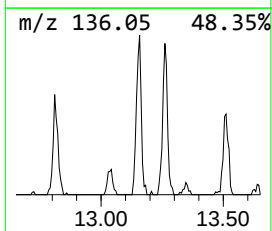
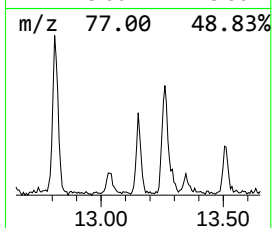
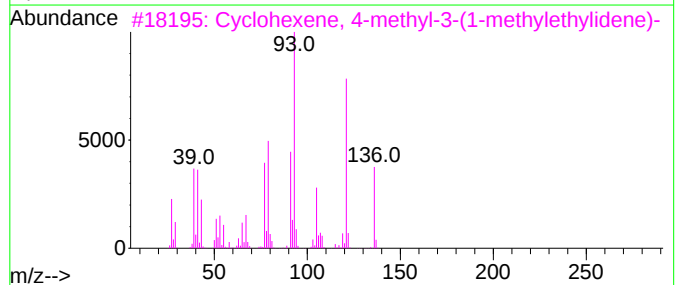
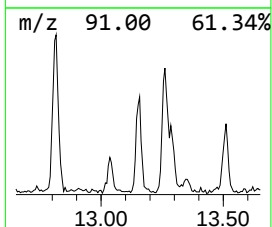
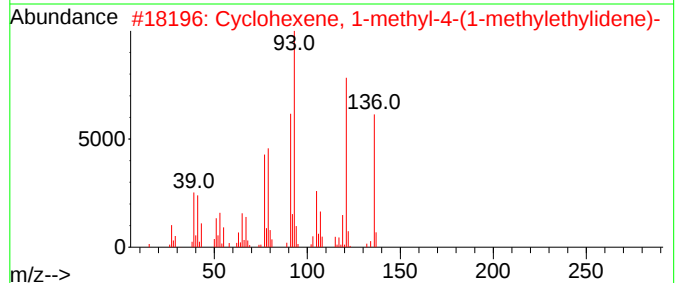
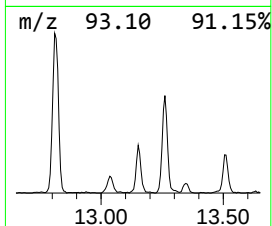
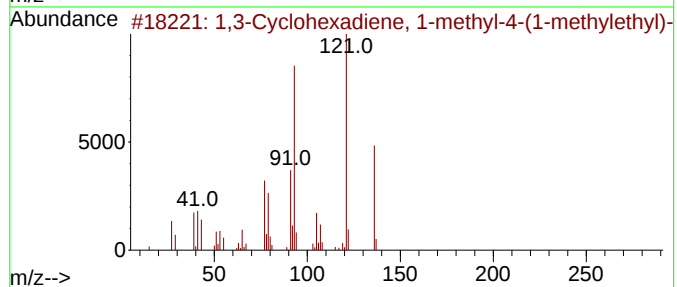
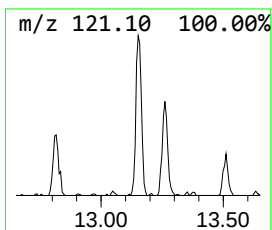
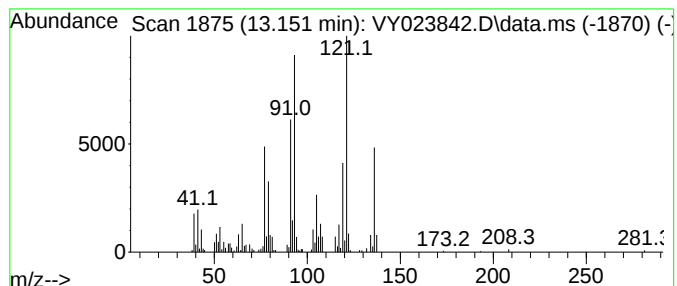
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Quant Title : SW846 8260

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

Peak Number 8 1,3-Cyclohexadiene, 1-methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.152	109.02 ug/l	107537	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93
2			Cyclohexene, 1-methyl-4-(1-methyl-...	136	C10H16	000586-62-9	90
3			Cyclohexene, 4-methyl-3-(1-methyl-...	136	C10H16	099805-90-0	87
4			2-Carene	136	C10H16	000554-61-0	76
5			Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	004497-92-1	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

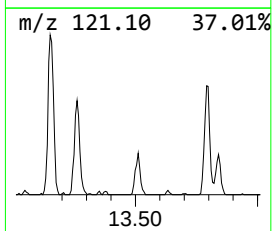
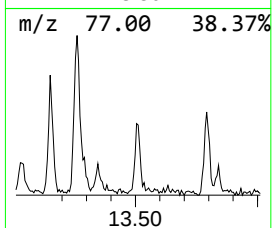
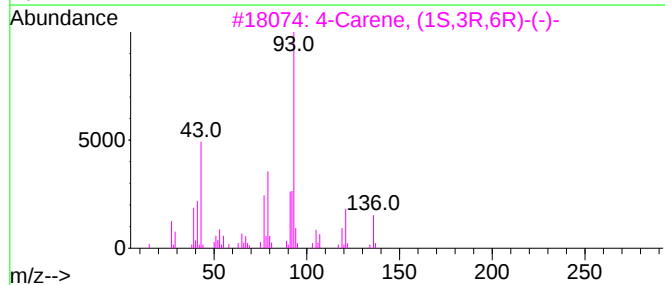
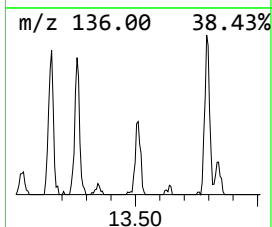
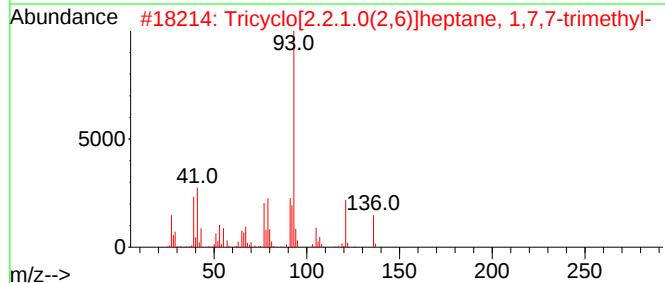
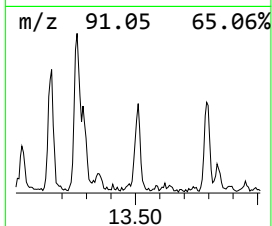
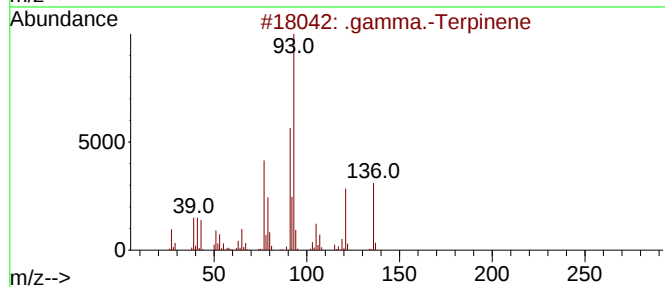
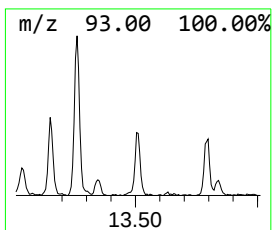
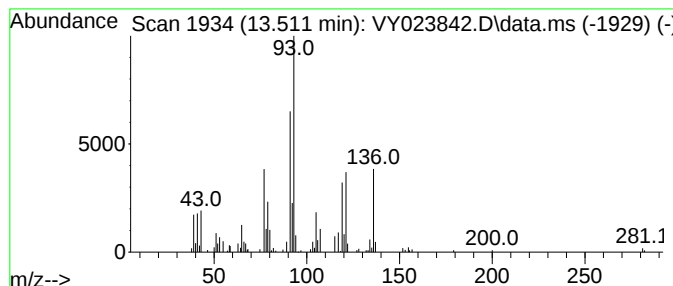
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Quant Title : SW846 8260

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

Peak Number 9 .gamma.-Terpinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.511	61.43 ug/l	60590	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.gamma.-Terpinene	136	C10H16	000099-85-4	94
2			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	76
3			4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	76
4			.beta.-Phellandrene	136	C10H16	000555-10-2	72
5			.alpha.-Phellandrene	136	C10H16	000099-83-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

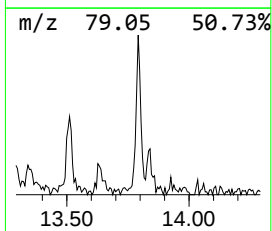
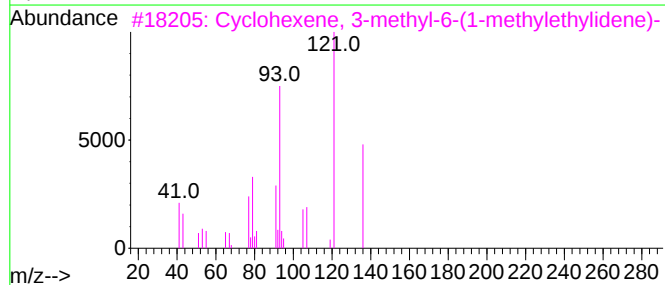
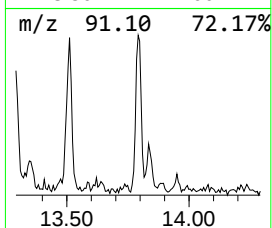
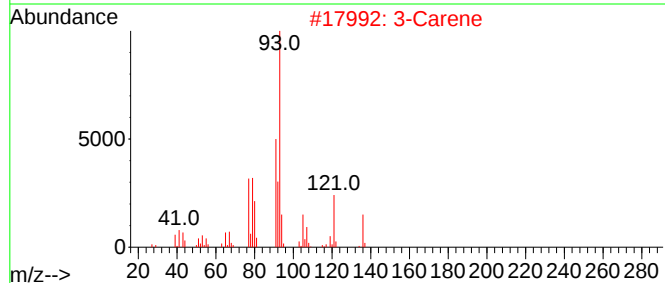
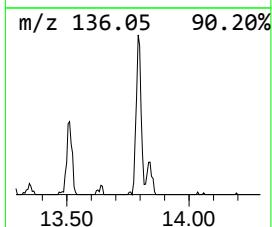
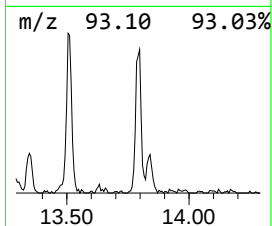
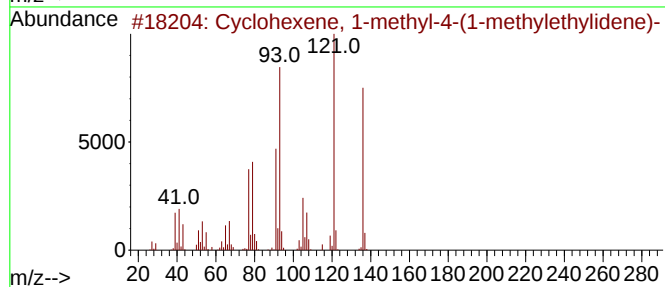
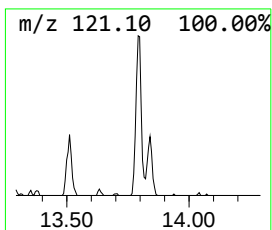
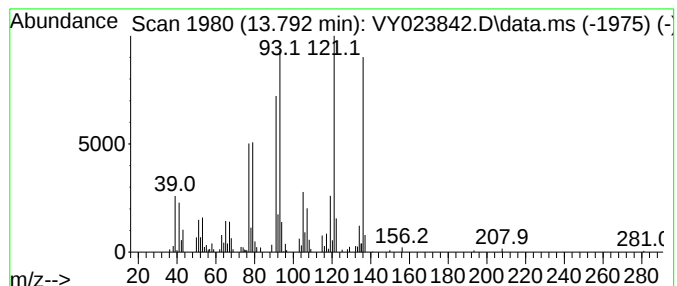
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 10 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	85.98 ug/l	84813	1,4-Dichlorobenzene-d4	13.347

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95
2		3-Carene	136	C10H16	013466-78-9	91
3		Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	87
4		(+)-4-Carene	136	C10H16	029050-33-7	86
5		2-Carene	136	C10H16	000554-61-0	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Tricyclo[2.2.1....	12.152	21.8	ug/l	36564	3	11.420	84048	50.0
.alpha.-Pinene	12.261	1074.1	ug/l	1805520	3	11.420	84048	50.0
Cyclohexene, 5-...	12.469	42.2	ug/l	41595	4	13.347	49320	50.0
Camphene	12.505	390.5	ug/l	385160	4	13.347	49320	50.0
.beta.-Pinene	12.810	231.7	ug/l	228522	4	13.347	49320	50.0
1,3-Cyclohexadi...	13.152	109.0	ug/l	107537	4	13.347	49320	50.0
.gamma.-Terpinene	13.511	61.4	ug/l	60590	4	13.347	49320	50.0
Cyclohexene, 1-...	13.792	86.0	ug/l	84813	4	13.347	49320	50.0